



**APPENDIX 5.8-2**

**Phase II Environmental Site Assessment  
Proposed 97-Acre Magellan Airport Cargo Distribution Center  
GSI Environmental. October 5, 2022  
Revised November 3, 2022**



# PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

**Proposed 97-Acre Project  
Magellan Airport Cargo Distribution Center  
Ontario, California**

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# PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

## Proposed 97-Acre Project Magellan Airport Cargo Distribution Center Ontario, California

This Phase II Environmental Site Assessment Report was prepared by the staff of GSI Environmental Inc., under the supervision of the Engineer(s) and/or Geologist(s) whose signatures appear hereon.

The findings, recommendations, specifications, or professional opinions were prepared in accordance with generally accepted professional engineering and/or geologic practice. No warranty is expressed or implied.

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**Proposed 97-Acre Project Magellan Airport Cargo Distribution Center**  
Ontario, California

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**COMMON ACRONYMS**

AFFF	Aqueous Film-Forming Foam
ANGS	Air National Guard Station
AOC	Areas of Concern
APN	Assessor's Parcel Number
AST	Aboveground Storage Tank
bgs	Below Ground Surface
Cal/EPA	California Environmental Protection Agency
CBCS	Combat Communications Squadron
DoD	Department of Defense
DOT	Department of Transportation
DTSC	Department of Toxic Substances Control
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
ESL	Environmental Screening Levels
EVOC	Emergency Vehicle Operations Course
GEES	GE Engine Services, Inc.
HASP	Health and Safety Plan
HDPE	High Density Polyethylene
HHRA	Human Health Risk Assessment
IDW	Investigation-Derived Wastes
LAPD	Los Angeles Police Department
mL	Milliliter
MSL	Mean Sea Level
mg/kg	Milligrams per Kilogram
OCP	Organochlorine Pesticides
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PCE	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene, PERC
PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulfonic acid
PID	Photo-Ionization Detector
ppm	Parts per Million
QA/QC	Quality Assurance/Quality Control
QSM	Quality Systems Manual
REC	Recognized Environmental Condition
RSL	Regional Screening Level
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SVOC	Semi-Volatile Organic Compound
TCE	Trichloroethylene, Trichloroethene
TPH	Total Petroleum Hydrocarbons

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**COMMON ACRONYMS**

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USA	Underground Services Alert
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOA	Volatile Organic Analysis
VOC	Volatile Organic Compound

## **PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT**

### **Proposed 97-Acre Project Magellan Airport Cargo Distribution Center**

Ontario, California

## **EXECUTIVE SUMMARY**

At the request of Mr. Winters, GSI Environmental Inc. (GSI) completed a Phase II Environmental Site Assessment (ESA) for the Magellan Airport Cargo Distribution Center property, which is comprised of a 97-Acre Portion of the Ontario International Airport, Ontario, California (“the Site”, Figure 1). The objective of the Phase II ESA was to:

- address the recognized environmental conditions (RECs) identified in GSI’s Phase I Environmental Site Assessment (Phase I ESA) dated December 10, 2021, by assessing soil and soil vapor conditions at the Site, and
- to establish a baseline understanding of the existing subsurface conditions and potential risk to human health in the future structures in connection with the proposed land lease and redevelopment of the Site.

The Phase II investigation activities were conducted between February 23 and March 23, 2022, which consisted of drilling one hundred and forty-three (143) soil borings on Parcels 61, 62, 63, and 68 and collecting soil and soil vapor samples to evaluate subsurface conditions. The soil borings were advanced to depths between approximately 3 to 15 feet below ground surface (feet bgs). Results of soil and soil vapor sampling at the Site are below:

### Soil

- Semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs) and chlorinated herbicides were not detected above laboratory reporting limits in soil samples collected.
- Metals, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and organochlorine pesticides (OCPs), were detected above laboratory reporting limits but below their respective commercial/industrial screening levels.
- One or more per- and polyfluoroalkyl substances (PFAS) analytes were detected in 18 of the 28 samples analyzed at a concentration above their respective laboratory reporting limits. The PFAS detections were identified in the vicinity of the Guardian Jet Center and southern hangar buildings, and the historical fire house building adjacent to the former national guard hangar. Four of the 18 samples had reported concentrations that exceeded their respective San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (SFBRWQCB ESL) for PFOS and PFOA.

### Soil Vapor (Dual-nested Soil Vapor Probes)

- Trichloroethylene (TCE) and chloroform were the only two VOC constituents with concentrations exceeding their respective commercial/industrial United States Environmental Protection Agency Screening Levels (USEPA SLs) using a default attenuation factor (AF) of 0.03 (USEPA AF SL) and only TCE exceeded the commercial/industrial Department of Toxic Substances Control Screening Level (DTSC SL) with an attenuation factor for future commercial/industrial buildings (DTSC AF SL). The commercial/industrial USEPA AF SL and the commercial/industrial DTSC AF SL for



TCE was exceeded in 13 samples and four samples, respectively. The TCE exceedances were located within the footprint of the General Electric leasehold building, also identified as Hangar 4, or within the proposed western building footprint (as part of the Phase 2 construction/development plans).

Based on the results obtained during this investigation, a soil management plan (SMP) is recommended to be prepared and implemented prior to and during planned Site redevelopment where soils will be disturbed. Due to the known presence of PFAS-impacted materials where AFFF is currently stored and may have been used, special attention should be made to demolition materials including concrete, fire suppression system tanks and associated piping, drains and drainage piping, and clarifiers within the northern and southern Guardian Jet Center hangars, and historical fire house associated with the former National Guard Facility. Additionally, addressing PFAS-impacted soils underlying these features and structures should be included in the SMP. Although PFAS is not currently regulated under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) as a hazardous waste and PFAS analyte concentrations were below established USEPA RSLs, caution should be taken when handling materials and soils contaminated with PFAS due to their human health risks, which are still being developed/assessed by regulatory authorities. The USEPA on August 26, 2022, released a proposed rule designating two PFAS analytes – PFOA and PFOS as “hazardous substances” under CERCLA. The proposed rule is currently out for public comment and the USEPA may list additional PFAS as hazardous substances. This will result in substantial disposal costs if the PFAS-impacted materials are disturbed/excavated during proposed Site redevelopment. Additionally, if redevelopment plans allow implementation of engineering controls (capping PFAS-impacted materials/soil), such an approach would be a more feasible and cost-effective alternative compared to excavation and disposal. If planned redevelopment includes disturbing materials/soil in this area, additional soil sampling may be warranted in order to delineate the extent of PFAS impacts, enabling segregation and proper disposal during redevelopment and implementation of the SMP.

Additionally, based on the results obtained during this investigation, installation of a vapor intrusion mitigation system (VIM system) is recommended as part of the proposed western building footprint due to potential vapor intrusion from the subsurface into the future building. Alternatively, a soil vapor extraction remediation system could be utilized to reduce TCE and chloroform vapor concentrations through removal of VOCs in the area of the proposed western building footprint (as part of the Phase 2 construction/development plans).

## 1.0 INTRODUCTION

GSI Environmental Inc. (GSI) has prepared this Phase II Environmental Site Assessment (Phase II ESA) Report for the Magellan Airport Cargo Distribution Center property comprised of a 97-Acre Portion of the Ontario International Airport, Ontario, California (“the Site”, Figure 1). The objective of the Phase II ESA was to address the recognized environmental conditions (RECs) identified in GSI’s Phase I Environmental Site Assessment (Phase I ESA) dated December 10, 2021, through investigation of soil and soil vapor conditions at the Site. This Phase II ESA additionally establishes a baseline understanding of existing subsurface conditions and potential risk to human health in the future structures associated with the proposed land lease and redevelopment of the Site.

This report presents the results of the soil and soil vapor investigation conducted between 23 February and 21 April 2022.

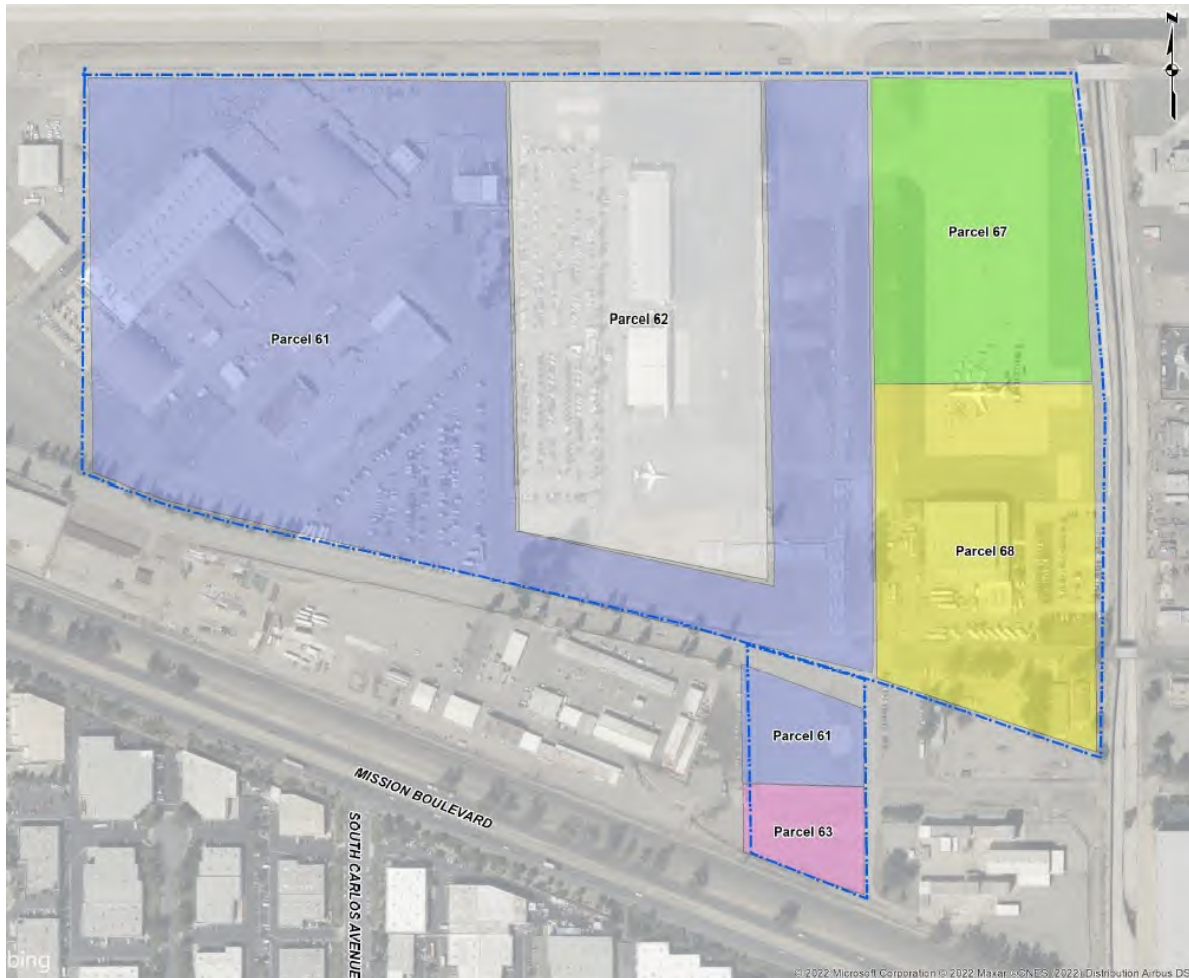
## 2.0 BACKGROUND

The Site is located in Ontario, California and includes an approximately 97-acre portion of the Ontario International Airport. Operations at the Ontario International Airport began in 1921 when the Ontario Aircraft Corporation was organized. In 1929 the airport moved to a 30-acre parcel near the corner of Mission Boulevard and Grove Avenue in the southwestern corner of the current airport property. In 1940 an additional 405 acres were added to the airport property. Until the mid to late 1950’s the Site was primarily agricultural with some vineyards. In the 1940’s some vineyards were removed to construct portions of the airport. The Ontario Airport was utilized in support of World War II and after the war it was returned to the City of Ontario. The Site consists of 24 buildings and hangars, ancillary structures, and parking facilities and is located north of East Avion Street and west of the Cucamonga Creek with a small portion connecting to South Hellman Avenue. The Site is broken down into five parcels, Parcel 61, Parcel 62, Parcel 63, Parcel 67, and Parcel 68.

### 2.1 Current Past Site Use

The Site is comprised of portions of five parcels on the Ontario International Airport property.

- Parcel 61/APN 011326106 (approximately 48 acres)
- Parcel 62/APN 011326107 (approximately 21 acres)
- Parcel 63/APN 011326108 (approximately 2 acres)
- Parcel 67/APN 011327101 (approximately 12 acres)
- Parcel 68/APN 011327102 (approximately 14 acres)



### 2.1.1 Parcel 61

Parcel 61 encompasses the western portion of the site investigation area; the southern portion just north of East Avion Street; between Parcel 62 and Parcels 67/68; and the northern portion of the southern investigation area, just south of East Avion Street. Parcel 61 is the largest parcel within the investigation area and as such, has been broken up into three sections for the purposes of this report – western portion, designated as 61W herein, central portion, designated as 61C herein and southern portion, designated as 61S herein. Hangars 1 through 5 are located on Parcel 61W. Hangars 1 and 2 were constructed in the late 1940's, and in 1950 Northrop Aircraft Company reportedly began manufacturing operations in Hangar 1. Hangar 3 was constructed in 1951 and some time before 1953 Douglas Aircraft began operations in Hangar 2 or 3. In 1953 Hangar 4 was constructed and Lockheed Aircraft occupied Hangar 4 between 1955 and 1980. Hangar 5 is currently utilized for storage and administration. In approximately 1955, GE Engine Services, Inc. (GEES) moved operations to the Site and Northrop vacated Hangar 1. GEES moved to Hangar 4 once Lockheed vacated the building in 1980. The former Los Angeles Police Department (LAPD) Emergency Vehicle Operations Course (EVOC) was previously located in the center of the Site along the western border of Parcel 62.

### **2.1.2 Parcel 62**

Parcel 62 encompasses the central portion of the site investigation area, encircled by Parcel 61. This portion of the Site was primarily agricultural through the 1970s. In 1983 the Guardian Jet Center East (main Hangar) and office building were developed, and by 1987 the second Hangar (southern building) was in use. By 1994 the outbuilding maintenance area was constructed and put into service. A fuel farm existed on the southwestern corner of the Parcel and two clarifiers, and a maintenance shop have been documented within this Parcel during the Phase I ESA. A former police station associated with the City of Los Angeles LAPD EVOG was previously located in the center of the Site along the western border of Parcel 62. Between 2002 and 2008 Parcel 62 did not change significantly (CTL, 2008).

### **2.1.3 Southern Parcel 61 and 63**

Parcel 61S and 63 are located just south of East Avion Street and north of the railroad. The southern portion of the Site is comprised of small portions of Parcel 61 and Parcel 63. This location historically was used for agricultural purposes. It is now paved and utilized for parking. This area also includes a large storm drain outlet.

### **2.1.4 Parcels 67 and 68**

Parcels 67 and 68 are the eastern-most parcels of the investigation area. Parcel 67 is adjacent to the airport runway and north of Parcel 68. Parcel 68 is just north of East Avion Street. The central area of Parcel 68 included a skeet range in the mid-1940's. The Ontario Air National Guard Station (ANGS) was located on Parcel 68 with ancillary structures to the south and east. From 1943 to 1948 the army maintained the area and in 1952 the 196<sup>th</sup> Tactical Air Support Group was assigned to Ontario International Airport. The facilities were updated at that time and the operations included maintenance of aircraft vehicles, and aerospace ground equipment. In the 1950's, a hangar, fire station, fueling station, and wash rack were constructed over the skeet range. A munitions bunker was constructed in the 1950s and later used by Lockheed in the 1990s for storage of ammunition and explosives. The 196<sup>th</sup> Tactical Air Support Group vacated the Site in 1983 and the 148<sup>th</sup> Combat Communications Squadron (CBCS) occupied the Site from 1984 through 1998. The ANGS was closed in September 1998.

## **2.2 Site Physical Description**

The Site is a large airport facility consisting of 24 buildings and hangars, ancillary structures, and parking facilities located north of East Avion Street and west of the Cucamonga Creek.

## **2.3 Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions**

The Site lies within the Chino Basin, a managed groundwater basin that supplies groundwater for municipal, industrial, and agricultural uses. The Chino Basin is an adjudicated basin, with water rights controlled by the Chino Basin Watermaster, in accordance with the Chino Basin Master Plan. The Inland Empire Utility Agency and the Chino Basin Watermaster manage the Chino Basin water supply through a network of stormwater management channels and percolation basins developed to enhance groundwater recharge. The Ely Basins, located southwest of the Site, are a component of this recharge system (Wood, 2019).

Groundwater elevations across the Site have historically ranged between 600 and 645 feet above mean sea level (msl). From 1990 through around 2010, groundwater elevations were generally in a decline with a seasonal variation. Between 2010 and 2015, groundwater elevations increased about 15 feet. This increase is tribute to increased recharge and decreased municipal pumping in the vicinity of the Site. Since 2016, groundwater elevations appear to have stabilized.

Groundwater flow direction is predominantly to the southwest near the Site and west-southwest downgradient of the Site.

The Site is located in the Upper Santa Ana Valley, which is bounded by the San Gabriel Mountains and the Cucamonga fault to the north, the Colton-Rialto fault to the east, the Puente Hills and Chino fault to the west, and the Chino Hills, Chino fault, and Santa Ana River to the south southwest (CDWR, 2006). From the surface to approximately 45 feet below ground surface (bgs) are well graded sand with some fines and gravel. Sandy silt and silt are present beneath the Site at depths between 45 and 57 feet bgs followed by grained sand to approximately 80 feet bgs (Burns & McDonnell, 2014). Based on observations during Alta's investigation, soil beneath the Site generally consisted of silty sand from the surface to depths explored (10 feet bgs) (Alta, 2020).

Based on the most recent groundwater monitoring data available for the General Electric (GE) Company – Jet Engine Test Cell Facility, located adjacent to the Site, depth to groundwater ranges between 220 feet and 265 feet bgs with a groundwater flow direction to the west-southwest (Wood, 2022).

The Site is located approximately 910 feet above msl according to the United States Geological Survey (Ontario) 7.5 Minute Topographic Quadrangle map, with topography sloping to the southeast. Surface drainage at the Site currently flows to the south towards catch basins which discharge into three drainage area channels, the West Cucamonga Channel Drainage Area, the Cucamonga Channel Drainage Area, and the Deer Creek Drainage Area. The water is then discharged into the Cucamonga Creek, located on the eastern border of the Site.

Groundwater in the Chino-San Bernardino Basin at the former Ontario ANGS is bounded by the impermeable rock of mountains and hills to the north, west, and south, the Rialto-Colton barrier fault on the east, and the San Jose fault on the northwest. Groundwater occurs primarily within the confined, permeable alluvial sediments interbedded with discontinuous lenses of fine-grained material. The water table in the area of the station is approximately 250 feet bgs and groundwater flow is generally to the west-southwest. Recharge occurs primarily at the northern margin of the basin via infiltration of runoff from the San Gabriel Mountains. Discharge occurs from pumping of wells for agricultural and municipal use and as outflow to the Santa Ana River (Earth Technology Corporation, 1993).

Soils at the former Ontario ANGS are of the Tujunga soil series, which are characterized as nearly level to moderately sloping (0 to 5 percent) soil that formed on alluvial fans in granitic alluvium. The surface layer, which can be up to 10 inches in thickness, is a slightly acidic, brown, loamy sand. The substratum, which can be up to 54 inches in thickness, is a pale brown, coarse sand that is slightly acidic. In some areas, the substratum is composed of gravel that may range from 0 to 30 percent by volume (Science & Technology, Inc. 1990).

## 2.4 Previous Investigations

Included in the Phase I ESA is a summary of historical investigations that have been completed across the Site. A review of the existing investigation reports has identified historical uses at each parcel that include the following:

- Historical use of Parcel 61 has included the use of chlorinated solvents, the storage and dispensing of fuel, fire suppression chemical storage, and hazardous waste storage and waste treatment (including clarifiers, wash racks, and sumps).
- Historical use of Parcel 62 has included a fuel farm, two clarifiers, and a maintenance shop. Chemicals utilized at Parcel 62 have included chlorinated solvents and fire

suppression chemical storage. Poor housekeeping was identified in the vicinity of unmarked drums and stained concrete around the fire suppressant storage area within the Guardian Jet Center.

- Historical use on Parcels 67 and 68 has included the use of clarifiers, aboveground storage tanks (ASTs), and underground storage tanks (USTs). Multiple USTs have been documented at the Site and documentation of removal was not identified during the Phase I ESA investigation. Although USTs located on Parcels 62, 67 and 68 have been removed, closure documentation was not identified, and some impacted soil from at least one leaking UST reportedly remains in place at the Site.

Please refer to the Phase I ESA for a discussion of the following investigations:

- 1990 Phase I - Phase II ESAs. CDM, Portions of Parcels 61, 62, 67, and 68
- 1995 Underground Storage Tank Closure Report, El Capitan Environmental Services, portions of Parcel 68
- 1996 Draft Environmental Baseline Survey Ontario Air National Guard, Department of the Air Force, 1996, Off-Site Areas to the East and South of Parcel 68
- 1997 Hazardous Materials Survey Report, Encorp, 1997, Portions of Parcel 68
- 1998 ESA, Department of the Air Force, 1998, Off-Site Areas to the East and South of Parcel 68
- 2001 Airport Group International, AGI, Phase I ESA Transmittal (Various)
- 2001 Phase I ESA Former Air National Guard and Surrounding, CTL, 2001, Portion of Parcels 61, 62, 63, 67, and 68
- 2003 Phase I ESA Hangar 4 at GE Engine Services, Mactec, 2003, Portion of Parcel 61
- 2003 Phase I ESA Former Los Angeles Police Department Emergency Vehicle Operations Course (LAPD EVOC) Facility, CTL, 2003, Portions of Parcels 61 and 62
- 2004 Phase I ESA East Avion Complex, EarthTech, 2004, Small Portion on the Northwestern Corner of Parcel 61
- 2005 Phase II ESA East Avion Complex, EarthTech, 2005, Small Portion on the Northwestern Corner of Parcel 61
- 2005 Phase I ESA, ASIG, 2006; Dirt Lease Area (off-Site)
- 2006 Phase I ESA 1923 East Avion Street, MACTEC, 2006, Portion of Parcel 62
- 2008 Phase I ESA of the Ontario International Airport Mercury Air Center Facility, CTL, 2008, Portions of Parcel 62

### **3.0 CONSTITUENTS OF CONCERN**

As identified in the Phase I ESA Report and based on historical uses of the Site, the constituents of concern include: metals, petroleum hydrocarbons, volatile organic compounds (VOCs), semi-volatile compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), organochlorine pesticides (OCPs), herbicides, per- and polyfluoroalkyl substances (PFAS), asbestos containing materials, and lead-based paint.

PFAS is considered a constituent of concern due to the presence of above ground tanks labeled with aqueous film forming foam (AFFF) for fire suppression within some of the hangars. AFFF are synthetic PFAS-containing foams designed for flammable liquid fires. Floor drains connected to sewer lines and clarifiers were also in the proximity of the AFFF equipment. Floor drains and

clarifiers are known to leak overtime, and therefore, AFFF may have entered these areas and leaked into the subsurface.

In May 2022, the USEPA issued residential and commercial/industrial human health RSLs for screening soil for the following PFAS analytes:

- Perfluorooctanoic acid (PFOA);
- Perfluorooctane sulfonic acid (PFOS);
- Perfluorohexane sulfonic acid (PFHxS);
- Perfluorononanoic acid (PFNA); and
- Perfluorobutane sulfonic acid (PFBS).

The SFBRWQCB has developed ESLs for PFOA and PFOS in soil for residential direct contact, commercial/industrial workers, and construction worker scenarios

#### 4.0 FIELD INVESTIGATION

Between February 23 and March 23, 2022, one hundred and forty-three (143) soil borings were advanced on Parcels 61, 62, 63, and 68 (also referred to as areas of concern [AOC]) for the collection of soil and/or soil vapor samples. Parcel 61 is further divided as western (61W), central (61C), and southern (61S) areas. The proposed building footprint covers areas included in Parcels 61, 62 and 63 (Figure 2).

##### Borings Completed in Parcel 61 (AOCs 61W, 61C, and 61S):

- 89 borings were advanced for the collection of soil samples.
- 15 of the 89 borings were completed with dual-nested soil vapor probes that were sampled in April 2022.

##### Borings Completed in Parcel 62 (AOC 62):

- 32 borings were advanced for the collection of soil samples.
- 6 of the 32 borings were completed with dual-nested soil vapor probes that were sampled in April 2022.

##### Borings Completed in Parcel 63 (AOC 63):

- 2 borings were advanced for the collection of soil samples and were completed with dual-nested soil vapor probes that were sampled in April 2022.

##### Borings Completed in Parcel 68 (AOC 68):

20 borings were advanced for the collection of soil samples.

#### 4.1 Pre-Field Activities

Prior to implementing field investigation activities, GSI completed the following pre-field activities.

- Prepared a Site-Specific Health and Safety Plan (HASP) in accordance with the requirements of the State of California General Industry Safety Order 5192 and Title 29 of the Code of Federal Regulations, Section 1910.120.
- Coordinated with representatives from Ontario International Airport, TBI Airport Management, Inc. (TBI; airside escort) and Allied Protection Services, Inc. (Allied; airside escort) regarding schedule and Site access to airside and landside locations.

- Coordinated with subcontractors including Subsurface Surveys (SSS; private utility locating subcontractor); InterPhase Environmental (InterPhase; drilling subcontractor); Advanced Technology Laboratories and Vista Analytical Laboratory (ATL and Vista, respectively; soil analytical laboratories); and H&P Mobile Geochemistry (H&P; soil vapor analytical laboratory).
- Marked proposed investigation boring locations and notified Underground Services Alert (USA) a minimum of two full working days prior to initiating field activities. USA tickets were obtained, and utility provider responses were reviewed prior to conducting subsurface activities.
- Geophysical survey was conducted by SSS of Carlsbad, California to clear the proposed boring locations of buried utilities and/or other subsurface structures or obstructions on 8 to 10 February 2022 and 14 to 16 February 2022. A summary of the geophysical survey is included in Appendix A.

## 4.2 Soil Sampling and Analysis

Between February 23 and March 23, 2022, InterPhase Environmental (InterPhase) of Commerce, California, advanced one hundred and forty-three (143) borings to depths between approximately 3 and 15 feet.<sup>1</sup> Borings were advanced to depths of approximately 5 feet using a hand auger, followed by using truck- and/or track-mounted direct-push drilling equipment and 2.25-inch outer diameter, dual-cased drive samplers lined with acetate sample liners to the total depth of the borings. This drilling method was selected to facilitate depth-discrete collection of relatively undisturbed samples, while minimizing the potential for downhole slough or cross-contamination between sampling depths by maintaining a cased boring between sample core drives.

Recovered soil from all borings was screened in the field for the presence of VOCs using a photo-ionization detector (PID) calibrated with a 100 parts per million (ppm) isobutylene standard and results are reported on the boring logs (Appendix B). GSI maintained and calibrated the PID according to manufacturer specifications.

Reusable sampling equipment was decontaminated between sample locations by washing with a plastic scrub brush using laboratory-grade detergent and potable water, followed by rinsing twice with potable water.<sup>2</sup>

Soil samples were collected in 4-ounce glass jars, 6-ounce high density polyethylene (HDPE) jars, and/or 40 milliliter (mL) Terra Core volatile organic analysis (VOA) vials containing 5 mL of sodium bisulfate or methanol and a stir bar. Samples were transported following chain-of-custody protocols to ATL of Signal Hill, California, and/or Vista of El Dorado Hills, California, state environmental laboratory accreditation program (ELAP) certified laboratories, and analyzed for one or more of the following:

- Title 22 metals including mercury using United States Environmental Protection Agency (USEPA) Methods 6010B/7471A;
- VOCs using USEPA Method 8260B;
- Total petroleum hydrocarbons (TPH) quantified as C4-C12, C13-C23, and C23-C32 using USEPA Method 8015B;

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<sup>1</sup> Reference points for soil boring and soil sample depths are in reference to the top of the native soil contact.

<sup>2</sup> An additional bucket containing ultra-pure PFAS-free water was used at locations where soil samples were collected for PFAS analysis.



- SVOCs using USEPA Method 8270C;
- PAHs using USEPA Method 8270SIM;
- PCBs using USEPA Method 8082;
- OCPs using USEPA Method 8081A;
- Chlorinated Herbicides using USEPA Method 8051A; and
- PFAS using Vista's PFAS Isotope Dilution Method for the 23 PFAS analytes. This method is compliant with Department of Defense (DoD) Table B-15 of Quality Systems Manual (QSM), dated 2017, version 5.1 or later.

Analytical results from soil samples are summarized in Section 5.2.

### 4.3 Soil Vapor Probe Installation and Analysis

Temporary dual-nested soil vapor probes were installed at 23 boring locations at depths of approximately 5 and 15 feet. Soil vapor probes were installed in accordance with the July 2015 California Environmental Protection Agency (Cal/EPA) Advisory – Active Soil Gas Investigations (Advisory).

The soil vapor probes were constructed using 1/4-inch outside diameter Nylaflo tubing connected to a 4-inch long porous soil vapor sampling probe tip. The tip was centered in an approximately 1-foot thick layer of #3 filter pack sand. A six-inch layer of dry #8 granular bentonite was placed above each sand pack layer, followed by placing additional granular bentonite (hydrated with potable water in 6-inch lifts) to either the bottom of the next sand pack interval or near ground surface to create a seal. The surface at each location was completed with a flush mount, traffic-rated well box set in concrete.

Between April 18 and 21, 2022, soil vapor sampling activities were performed in accordance with the Advisory by H&P. Soil vapor sampling activities consisted of performing a shut-in test on the sampling train for each soil vapor probe before purging and collecting the soil vapor samples. The shut-in test was successful at all probe locations (i.e., to achieve a minimum vacuum of 100 inches of water maintained in the sampling train for a minimum duration of 1 minute). During soil vapor purging and sampling, 1,1 difluoroethane (1,1-DFA) was applied at the borehole and above ground fittings as a leak test compound to evaluate the integrity of the soil vapor sampling train.

The soil vapor probes were purged at a rate of approximately 200 milliliters per min (mL/min) until 3 purge volumes were removed followed by collecting soil vapor samples using 100-milliliter glass syringes. Soil vapor samples were analyzed on-Site in a mobile laboratory for VOCs using USEPA Method 8260SV modified for soil vapor. Analytical results from soil vapor samples are summarized in Section 5.3.

### 4.4 Investigation- Derived Wastes

Investigation-derived wastes (IDW; soil and equipment wash water) were placed and stored in 55-gallon drums and temporarily stored on-Site pending waste profiling and off-Site disposal in accordance with applicable State and Federal regulations. A total of 11 drums were used during field activities, of which 9 contain soil cuttings and 2 containing decontamination water.

## 5.0 INVESTIGATION RESULTS

This section presents the analytical results from soil and soil vapor samples collected during this investigation and comparison of Site data to screening levels, including Cal/EPA, Department of

Toxic Substances Control (DTSC) modified screening levels (SLs), United States EPA (USEPA) regional screening levels (RSLs), San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs) and background levels.

## 5.1 Soil Lithology

As the borings were advanced, the hand auger cuttings and/or soil core were observed for general characteristics and a lithologic boring log was prepared by a field geologist under the direct supervision of a California licensed Professional Geologist using the Unified Soil Classification System (USCS) for guidance, as described in the American Society for Testing Materials (ASTM) International Standard D 2488.

The soil encountered in the 143 borings consisted predominantly of silty sand and poorly graded sand with and without gravel, with lesser amounts of silty sand with gravel, sandy lean clay, and poorly graded gravel with sand to depths of approximately 15 feet bgs. The general soil lithology for each parcel is listed below:

### ***Parcel 61W***

Silty sand was encountered from ground surface to approximately 9-10 feet bgs followed by poorly graded sand containing different percentages of gravel to approximately 15 feet bgs.

### ***Parcel 61C***

Poorly graded sand was encountered from ground surface to approximately 5 feet bgs, followed by silty sand and poorly graded sand to approximately 15 feet bgs.

### ***Parcel 61S***

Silty sand was encountered from ground surface to approximately 9 feet bgs followed by poorly graded sand to 15 feet bgs.

### ***Parcel 62***

Within the northern area of Parcel 62, predominantly poorly graded sand was encountered from ground surface to approximately 5.5 feet bgs, followed by silty sand to approximately 10 feet bgs. Within the southern area of Parcel 62, predominantly silty sand was encountered from ground surface to approximately 5 feet bgs followed by poorly graded sand to approximately 10 feet bgs.

### ***Parcel 63***

Silty sand was encountered from ground surface to approximately 10 feet bgs followed by poorly graded sand to approximately 15 feet bgs.

### ***Parcel 68***

Within the eastern and southern areas of Parcel 68, predominantly silty sand was encountered from ground surface to approximately 8 feet bgs followed by poorly graded sand to approximately 15 feet bgs. Within the western and central areas of Parcel 68, predominantly silty sand was encountered from ground surface to approximately 3 feet bgs followed by poorly graded sand in deeper soils to various depths.

Lithologic boring logs are included in Appendix B.

## 5.2 Soil Analytical Results

Analytical results for soil samples are discussed below and summarized in Tables 1 through 8. Laboratory analytical reports for soil samples are included in Appendix C.

Soil analytical results are evaluated by comparison to Regional Screening Levels (RSLs) for commercial/industrial soil published by USEPA and endorsed or modified by Department of Toxic Substances Control (DTSC; USEPA, 2022, DTSC, 2022a). These screening levels (SLs) are referred to as DTSC SLs herein. The DTSC SLs consider the incidental ingestion, inhalation of particulates and volatile compounds, and dermal adsorption pathways, and correspond to concentrations in soil that are not expected to pose a significant human health risk.

Arsenic occurs naturally in California soils at concentrations exceeding the risk based DTSC modified SLs and USEPA RSLs. Therefore, analytical results for arsenic in soil samples are compared to an estimated regional background level for Southern California of 12 milligrams per kilogram (mg/kg), as recommended by DTSC in Human Health Risk Assessment (HHRA) Note 11 (DTSC, 2020b).

Analytical results for TPH are compared to commercial/industrial ESLs established by the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB; 2019). These screening levels are referred to as SFBRWQCB ESLs herein. The SFBRWQCB ESLs were developed for direct exposure to human health for construction workers. The samples analyzed for the 23 PFAS constituents are also compared to SFBRWQCB ESLs for commercial/industrial workers. The SFBRWQCB has published ESLs for only two PFAS analytes, while the US EPA has published RSLs for five PFAS analytes.

### **5.2.1 Parcel 61 and 63**

Analytical results for soil samples collected within Parcel 61 (including AOCs, 61W, 61C, and 61S) and Parcel 63 are summarized below.

#### Metals (Table 1)

Ninety-one (91) soil samples were collected at depths of approximately 1 and 5 feet. The 5-foot samples were placed on laboratory hold pending results of the 1-foot samples. Various metals were detected at concentrations exceeding their respective laboratory reporting limits, but below the DTSC SLs and/or background concentrations; therefore the 5-foot samples were not analyzed.

#### TPH (Table 2)

One hundred and four (104) soil samples were collected at depths of approximately 5.5 feet at locations without soil vapor probes and approximately 5.5 and 15 feet bgs at locations with soil vapor probes. Only TPH quantified as C<sub>23</sub> to C<sub>32</sub> was detected at concentrations exceeding their respective laboratory reporting limit, but below the SFBRWQCB ESL.

#### VOCs (Table 3)

One hundred and three (103) soil samples were collected at depths of approximately 5.5 feet at locations without soil vapor probes and approximately 5.5 and 15 feet bgs at locations with soil vapor probes. Only trichloroethene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), chloroethane, and methylene chloride were detected at concentrations exceeding their respective laboratory reporting limits, but below the DTSC SLs.

#### SVOCs (Table 4)

Ten (10) soil samples were collected at depths of approximately 5.5 feet. No SVOCs were detected at concentrations exceeding their respective laboratory reporting limits.

#### PAHs (Table 5)

Eighteen (18) soil samples were collected at depths of approximately 5.5 feet. Only benzo(g,h,i)perylene and chrysene were detected in one sample (61W-40-1-5.5) at concentrations exceeding their respective laboratory reporting limits but were below the DTSC SLs.

#### PCBs (Table 6)

Six (6) soil samples were collected at depths of approximately 1 foot. No PCBs were detected at concentrations exceeding their respective laboratory reporting limits.

#### OCPs and Chlorinated Herbicides (Table 7)

Six (6) samples were collected at depths of approximately 1 foot. Only 4,4'-dichlorodiphenyldichloroethylene (4,4'-DDE) and 4,4'-dichlorodiphenyltrichloroethane (4,4'-DDT) were detected in two samples (61W-1-10-1 and 61W-1-11-1) at concentrations exceeding their respective laboratory reporting limits, but below the DTSC SLs. No chlorinated herbicides were detected above their respective laboratory reporting limits.

#### PFAS (Table 8)

Ten (10) soil samples were collected at depths of approximately 3 and 6 feet bgs. No PFAS analytes were detected at concentrations exceeding their respective laboratory reporting limit.

### **5.2.2 Parcel 62**

Analytical results for soil samples collected within Parcel 62 are summarized below.

#### Metals (Table 1)

Thirty-two (32) soil samples were collected at depths of approximately 1 and 5 feet bgs. The 5-foot samples were placed on laboratory hold pending results of the 1-foot samples. Various metals were detected at concentrations exceeding their respective laboratory reporting limits, but below the DTSC SLs and/or background concentrations; therefore the 5-foot samples were not analyzed.

#### TPH (Table 2)

Thirty-eight (38) soil samples were collected at depths of approximately 5.5 and 6 feet at locations without soil vapor probes and approximately 6 and 15 feet bgs at locations with soil vapor probes. Only TPH quantified as C<sub>23</sub> to C<sub>32</sub> was detected at concentrations exceeding their respective laboratory reporting limit, but below the SFBRWQCB ESL.

#### VOCs (Table 3)

Thirty-eight (38) soil samples were collected at depths of approximately 5.5 and 6 feet at locations without soil vapor probes and approximately 6 and 15 feet bgs at locations with soil vapor probes. No VOCs were detected at concentrations exceeding their respective laboratory reporting limits.

#### SVOCs (Table 4)

Eight (8) soil samples were collected at depths of approximately 5.5 and 6 feet. No SVOCs were detected at concentrations exceeding their respective laboratory reporting limits.

#### PAHs (Table 5)

Seven (7) soil samples were collected at depths of approximately 5.5 feet. No PAHs were detected at concentrations exceeding their respective laboratory reporting limits.

### PFAS (Table 8)

Fourteen (14) soil samples were collected at depths of approximately 3, 3.5 and 6 feet. There were twelve PFAS analytes that were detected in one or more samples at concentrations exceeding their respective laboratory reporting limits. PFOS was detected in one sample (62-5-1-SO-3) which exceeds the SFRWQCB ESL but is below the USEPA RSL.

#### **5.2.3 Parcel 68**

Analytical results for soil samples collected within Parcel 68 are summarized below.

### Metals (Table 1)

Nineteen (19) soil samples were collected at depths of approximately 1 and 5 feet. The 5-foot samples were placed on laboratory hold pending results of the 1-foot samples. Various metals were detected at concentrations exceeding their respective laboratory reporting limits, but below the DTSC SLs and/or background concentrations; therefore the 5-foot samples were not analyzed.

### TPH (Table 2)

Twenty (20) soil samples were collected at depths of approximately 1, 5.5, and 6 feet. Only TPH quantified as C<sub>23</sub> to C<sub>32</sub> was detected at concentrations exceeding their respective laboratory reporting limit, but below the SFBRWQCB ESL.

### VOCs (Table 3)

Nineteen (19) soil samples were collected at depths of approximately 5.5 and 6 feet. Only chloroethane was detected at a concentration exceeding its respective laboratory reporting limit, but below the DTSC SL.

### PAHs (Table 5)

Nine (9) soil samples were collected at depths of approximately 5.5 feet. No PAHs were detected at concentrations exceeding their respective laboratory reporting limits.

### PCBs (Table 6)

Four (4) soil samples were collected at depths of approximately 1-foot. No PCBs were detected at concentrations exceeding their respective laboratory reporting limits.

### PFAS (Table 8)

Four (4) soil samples were collected at depths of approximately 3 and 6 feet. There were thirteen PFAS analytes that were detected in one or more samples at concentrations exceeding their respective laboratory reporting limits. PFOS was detected in one sample (68-12-1-3) which exceeds the SFRWQCB ESL but is below the USEPA RSL. PFOA was detected in two samples (68-12-2-3, 68-12-2-6) which exceed the SFRWQCB ESL but are below the USEPA RSL.

## **5.3 Soil Vapor Analytical Results**

Between 18 and 21 April 2022, 46 primary and four replicate soil vapor samples were collected from the 23 soil vapor probe locations. Soil vapor sample analytical results for VOCs are presented in Table 9. The leak check compound (1,1-DFA) for this sampling event was not reported above the laboratory reporting limit of each respective sample. The laboratory analytical report for soil vapor samples is included in Appendix D.

The soil vapor analytical results were evaluated by comparing the reported concentrations to risk-based screening levels (SLs) for commercial/industrial buildings. Screening levels for soil vapor were developed by applying an attenuation factor (AF) to published screening levels for indoor air:

$$\text{Soil Vapor Screening Level (SL}_{sv}) = \frac{\text{SL}_{ia}}{\alpha}$$

Where:

- SL<sub>sv</sub> = Soil vapor screening level (µg/m<sup>3</sup>)  
SL<sub>ia</sub> = Indoor air screening level (µg/m<sup>3</sup>)  
α = Attenuation factor (unitless)

For this evaluation, SLs for commercial/industrial indoor air published by USEPA (2022) and endorsed or modified by DTSC (2022) were selected as the indoor air screening levels. The soil vapor SLs were calculated using the default soil vapor AF published by DTSC for future residential buildings of 0.001 and future commercial/industrial buildings of 0.0005. These soil vapor screening levels are referred to as “residential DTSC AF SLs” or “commercial/industrial DTSC AF SLs” herein. DTSC frequently considers soil vapor data with respect to the DTSC AF to evaluate if vapor intrusion mitigation measures are required at existing buildings. In addition, soil vapor SLs were calculated using the default soil vapor AF published by USEPA for existing and future buildings of 0.03. These soil vapor screening levels are referred to as “USEPA AF SLs” herein. DTSC considers the USEPA AF SL for initial screening evaluations at existing and future buildings to determine if additional sampling or evaluation is warranted. Soil vapor SLs calculated using attenuation factors are included in Table 9. The reported concentrations of detected VOCs in soil vapor samples are shown in data boxes on Figure 11, and the total VOC concentrations in soil vapor at depths of 5- and 15-feet are presented on Figures 12 and 13, respectively.

### 5.3.1 *Parcels 61 and 63*

Analytical results for soil vapor samples collected within Parcel 61 (including AOCs 61W, 61C, and 61S) and Parcel 63 are summarized below.

#### Soil Vapor: VOCs (Table 9)

Thirty-seven (37) soil vapor samples were collected from approximately 5 and 15 feet bgs. Tetrachloroethene (PCE), TCE, 1,1-Dichloroethene (1,1-DCE), carbon tetrachloride, chloroform, and toluene were detected in one or more samples at concentrations exceeding their respective laboratory reporting limits. With the exception of TCE and chloroform, all detected analyte concentrations were below either their respective residential or commercial/industrial USEPA AF SL or the residential and commercial/industrial DTSC AF SL.

### 5.3.2 *Parcel 62*

Analytical results for soil vapor samples collected within Parcel 62 are summarized below.

#### Soil Vapor: VOCs (Table 9)

Thirteen (13) soil vapor samples were collected from approximately 5 and 15 feet bgs. Trichloroethene (TCE), and 1,1-Dichloroethene (1,1-DCE) were detected in one sample (SV-2-15) at concentrations exceeding their respective laboratory reporting limits. However, both of the detected VOC concentrations were below their respective residential DTSC AF SL. The detected TCE concentration exceeded its residential USEPA AF SL. However, both of the

detected analyte concentrations were below their commercial/industrial DTSC AF SL and their commercial/industrial USEPA AF SL.

#### 5.4 Data Quality Summary

Field quality assurance/quality control (QA/QC) samples during soil sampling activities consisted of the collection of daily equipment blanks and trip blanks. Equipment blanks were collected by pouring laboratory-provided deionized water over the drill bit at the end of each day after decontamination. On days where soil samples were collected for PFAS analysis, equipment blanks were collected by pouring laboratory-provided PFAS-free deionized water. Trip blanks were provided and prefilled by the laboratory with deionized water in 40 mL Terra Core VOA vials containing 5 mL preserved with hydrochloric acid. Both equipment blanks and trip blanks were placed on hold pending analytical results.

One temperature blank was included in each cooler sent to the laboratory along with the collected soil samples to document the temperature of samples in the cooler upon arrival at the laboratory.

Field QA/QC samples during soil vapor sampling activities consisted of the collection and analysis of four replicate samples at 61W-1-7-15, 62-9-1-5, SV-1-15, and SV-19-5, and a material blank. The replicate sample results were within the laboratory acceptance criteria. The material blank (EB-2022-0418) was collected by sampling ambient air through the materials used to construct sample probes (i.e., probe tip and tubing). The material blank result was non-detect for all VOCs analyzed. The field and laboratory quality control results indicate that the sampling and analyses performed in generating the data for soil and soil vapor were consistent with the analytical methods and provided data suitable for project objectives. Overall, the data generated during sampling are acceptable, are suitable for use in assessing subsurface soil conditions at the Site and can be used for decision-making purposes.

### 6.0 SUMMARY AND CONCLUSIONS

GSI has conducted this Phase II ESA to investigate soil and soil vapor conditions at the Site based on the RECs identified in the Phase I ESA. This investigation was also performed to establish a baseline understanding of the existing subsurface conditions and potential risk to human health in the proposed structures in the planned land lease and redevelopment of the Site.

#### Soil

- SVOCs, PCBs and chlorinated herbicides were not detected above laboratory reporting limits.
- Metals, TPH, VOCs, PAHs, and OCPs were detected above laboratory reporting limits but below their respective commercial/industrial DTSC SLs and SFBRWQCB ESLs. Detected VOC concentrations in soil are presented in databoxes on Figures 3-7.
- One or more per- and polyfluoroalkyl substances (PFAS) analytes were detected in eighteen of the 28 samples analyzed at a concentration above their respective laboratory reporting limits. The PFAS detections were identified in the vicinity of the Guardian Jet Center and southern hangar buildings, and the historical fire house building adjacent to the former national guard hangar (Figures 8, 9, and 10). Four of the 18 samples had reported concentrations that exceeded their respective screening levels (SFBRWQCB ESL) for PFOS and PFOA.

### Soil Vapor

- TCE and chloroform were the only two VOC constituents with concentrations exceeding commercial/industrial USEPA AF SLs and only TCE exceeded the commercial/industrial DTSC AF SL. TCE soil vapors exceeded the commercial/industrial USEPA AF SL in 13 samples and exceeded the commercial/industrial DTSC AF SL in four samples. All TCE exceedances were either within the General Electric leasehold building, also identified as Hangar 4, or within the proposed western building footprint (Figures 11, 12, and 13).

Based on the results obtained during this investigation, a soil management plan (SMP) is recommended to be prepared and implemented prior to and during planned Site redevelopment where soils will be disturbed. Due to the known presence of PFAS-impacted materials where AFFF is currently stored and may have been used, special attention should be made to demolition materials including concrete, fire suppression system tanks and associated piping, drains and drainage piping, and clarifiers within the northern and southern Guardian Jet Center hangars, and historical fire house associated with the former National Guard Facility. Additionally, addressing PFAS-impacted soils underlying these features and structures should be included in the SMP. Although PFAS is not currently regulated under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) as a hazardous waste and PFAS analyte concentrations were below established USEPA RSLs, caution should be taken when handling materials and soils contaminated with PFAS due to their human health risks, which are still being developed/assessed by regulatory authorities. The USEPA on August 26, 2022, released a proposed rule designating two PFAS analytes – PFOA and PFOS as “hazardous substances” under CERCLA. The proposed rule is currently out for public comment and the USEPA may list additional PFAS as hazardous substances. This will result in substantial disposal costs if the PFAS-impacted materials are disturbed/excavated during proposed Site redevelopment. Additionally, if redevelopment plans allow implementation of engineering controls (capping PFAS-impacted materials/soil), such an approach would be a more feasible and cost-effective alternative, compared to excavation and disposal. If planned redevelopment includes disturbing materials/soil in this area, additional soil sampling may be warranted to delineate the extent of PFAS impacts, enabling segregation and proper disposal during redevelopment and implementation of the SMP.

Additionally, based on the results obtained during this investigation, installation of a vapor intrusion mitigation system (VIM system) is recommended as part of the proposed western building footprint, due to potential vapor intrusion from the subsurface into the future building. Alternatively, a soil vapor extraction remediation system could be utilized to reduce TCE and chloroform vapor concentrations through removal of VOCs in the area of the proposed western building footprint (as part of the Phase 2 construction/development plans).



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**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

**TABLES**

- Table 1. Metals in Soil
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**TABLE 1: METALS IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
Proposed Building Footprint (61W, 61C, 62, and 63)	SVs	SV-1	SV-1-1	1	3/23/2022	mg/kg	38	<1.0	99	2.1	<1.0	14	4.8	9.0	2.4	<0.10	<1.0	9.2	1.2	<1.0	<1.0	22	36	
		SV-2	SV-2-1	1	3/17/2022	mg/kg	<2.0	<1.0	120	3.2	<1.0	18	6.3	13	2.9	<0.10	<1.0	7.9	1.1	7.0	<1.0	34	43	
		SV-3	SV-3-1	1	2/24/2022	mg/kg	<2.0	<1.0	85	2.6	<1.0	14	4.8	10	2.2	<0.10	<1.0	5.6	2.7	5.1	<1.0	32	84	
		SV-4	SV-4-1	1	3/23/2022	mg/kg	30	<1.0	83	1.6	<1.0	10	3.9	7.7	3.5	<0.10	<1.0	8.3	1.8	<1.0	<1.0	19	33	
		SV-5	SV-5-1	1	3/17/2022	mg/kg	<2.0	<1.0	95	2.4	<1.0	14	4.6	10	2.8	<0.10	<1.0	6.1	<1.0	5.3	<1.0	28	37	
		SV-6	SV-6-1	1	3/23/2022	mg/kg	35	<1.0	90	1.8	<1.0	14	4.5	8.2	3.9	<0.10	<1.0	9.2	1.8	<1.0	<1.0	21	39	
		SV-7	SV-7-1	1	3/23/2022	mg/kg	34	<1.0	90	1.8	<1.0	12	4.5	8.4	2.5	<0.10	<1.0	9.2	1.3	<1.0	<1.0	22	36	
		SV-8	SV-8-1	1	3/17/2022	mg/kg	<2.0	<1.0	86	2.2	<1.0	13	4.3	8.7	2.4	<0.10	<1.0	5.4	<1.0	4.7	<1.0	26	33	
		SV-9	SV-9-1	1	2/24/2022	mg/kg	<2.0	<1.0	78	2.5	<1.0	12	4.4	8.8	2.5	<0.10	<1.0	5.5	2.0	4.7	<1.0	30	30	
		SV-11	SV-11-1	1	3/3/2022	mg/kg	<2.0	1.6	93	2.5	<1.0	15	5.2	13	2.6	--	<1.0	4.7	<1.0	5.1	<1.0	31	50	
		SV-12	SV-12-1	1	3/3/2022	mg/kg	<2.0	<1.0	76	2.2	<1.0	12	4.7	10	3.7	--	<1.0	4.3	<1.0	4.5	<1.0	28	32	
		SV-13	SV-13-1	1	3/3/2022	mg/kg	<2.0	<1.0	87	2.5	<1.0	14	5.2	10	2.7	--	<1.0	4.1	<1.0	5.0	<1.0	30	31	
		SV-14	SV-14-1	1	3/22/2022	mg/kg	24	<1.0	63	1.3	<1.0	8.9	3.1	6.5	16	1.2	<1.0	6.5	<1.0	<1.0	<1.0	13	33	
		SV-15	SV-15-1	1	3/22/2022	mg/kg	36	<1.0	86	2.0	<1.0	12	4.1	8.3	6.0	<0.10	<1.0	9.3	1.8	<1.0	<1.0	22	35	
		SV-16	SV-16-1	1	3/22/2022	mg/kg	46	<1.0	110	2.6	<1.0	16	5.4	11	6.2	<0.10	<1.0	9.9	1.5	<1.0	<1.0	28	52	
		SV-17	SV-17-1	1	3/22/2022	mg/kg	34	<1.0	84	1.9	<1.0	12	4.1	8.3	2.8	<0.10	<1.0	8.7	1.6	<1.0	<1.0	21	32	
		SV-18	SV-18-1	1	3/22/2022	mg/kg	37	<1.0	82	2.1	<1.0	13	4.3	9.4	22	<0.10	<1.0	9.5	1.2	<1.0	<1.0	22	48	
		SV-19	SV-19-1	1	3/22/2022	mg/kg	38	<1.0	86	2.2	<1.0	14	4.8	8.9	8.9	<0.10	<1.0	11	1.4	<1.0	<1.0	23	43	
		<b>Maximum Concentration</b>						<b>mg/kg</b>	<b>46</b>	<b>3.8</b>	<b>220</b>	<b>5.7</b>	<b>ND</b>	<b>46</b>	<b>13</b>	<b>62</b>	<b>87</b>	<b>1.2</b>	<b>1.9</b>	<b>16</b>	<b>3.1</b>	<b>13</b>	<b>ND</b>	<b>60</b>
<b>Soil Screening Levels</b>																								
<b>Commerical/Industrial Land Use</b>																								
						DTSC-SL <sup>1,2,3</sup>	mg/kg	470	0.36	220,000	230	79	1,800,000	350	47,000	500	4.4	5,800	11,000	5,800	5,800	12	5,800	350,000
<b>Background Concentrations<sup>4,5,6</sup></b>							mg/kg	1.95	12	1,400	2.7	1.7	1,579	46.9	96.4	97.1	0.9	9.6	509	0.43	8.3	1.1	288	236

**Notes:**  
Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for Title 22 metals including mercury using USEPA Methods 6010B/7471A.  
Sample depth = feet below where native soil is first encountered  
mg/kg = milligrams per kilogram  
-- = not analyzed  
< = constituent was not detected at a concentration equal to or greater than laboratory practical quantitation limit  
ND = not detected

**References:**  
<sup>1</sup> The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.  
<sup>2</sup> USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.  
<sup>3</sup> DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.  
<sup>4</sup> With the exception of arsenic and hexavalent chromium, background levels are from Bradford et al., 1996, Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation Special Report, Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, March.  
<sup>5</sup> The background level for arsenic is from Department of Toxic Substances Control (DTSC), Determination of a Southern California Regional Background Arsenic Concentration in Soil.  
<sup>6</sup> The background level for hexavalent chromium is from Air Force Center for Environmental Excellence (AFCEE) and Department of Toxic Substances Control (DTSC), 2005, Inorganic Chemicals in Groundwater and Soil: Background Concentrations at California Air Force Bases. Paper Presented at 44th Annual Meeting of the Society of Toxicology, New Orleans, Louisiana, March 10.

**TABLE 2: TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Total Petroleum Hydrocarbons		
							C4-C12	C13-C23	C23-C32
61W	1	61W-1-1	61W-1-1-6	6	3/4/2022	mg/kg	<0.95	<10	<10
		61W-1-2	61W-1-2-6	6	3/4/2022	mg/kg	<1.2	<10	<10
			61W-1-2-15	15	3/4/2022	mg/kg	<0.86	<10	<10
		61W-1-3	61W-1-3-6	6	3/4/2022	mg/kg	<1.0	<10	<10
		61W-1-4	61W-1-4-6	6	3/4/2022	mg/kg	<1.0	<10	<10
		61W-1-5	61W-1-5-6	6	3/4/2022	mg/kg	<0.92	<10	<10
		61W-1-6	61W-1-6-6	6	3/18/2022	mg/kg	<0.89	<10	<10
		61W-1-7	61W-1-7-5.5	5.5	3/4/2022	mg/kg	<0.92	<10	<10
			61W-1-7-13	13	3/4/2022	mg/kg	<0.94	<10	<10
		61W-1-8	61W-1-8-6	6	3/4/2022	mg/kg	<0.97	<10	<10
		61W-1-9	61W-1-9-5.5	5.5	3/18/2022	mg/kg	<0.92	<10	<10
	61W-1-9-14		14	3/18/2022	mg/kg	<0.94	<10	<10	
	61W-1-10	61W-1-10-6	6	3/18/2022	mg/kg	<0.95	<10	<10	
	61W-1-11	61W-1-11-6	6	3/18/2022	mg/kg	<0.89	<10	<10	
	8	61W-8-1	61W-8-1-5.5	5.5	3/18/2022	mg/kg	<0.71	<10	<10
	10	61W-10-1	61W-10-1-5.5	5.5	3/11/2022	mg/kg	<0.84	<10	14
		61W-10-2	61W-10-2-5.5	5.5	3/11/2022	mg/kg	<0.89	<10	13
	17A	61W-17A-1	61W-17A-1-5.5	5.5	3/21/2022	mg/kg	<0.90	<10	<10
		61W-17A-2	61W-17A-2-5.5	5.5	3/21/2022	mg/kg	<0.91	<10	<10
		61W-17A-3	61W-17A-3-5.5	5.5	3/21/2022	mg/kg	<0.87	<10	<10
		61W-17A-4	61W-17A-4-5.5	5.5	3/21/2022	mg/kg	<0.87	<10	<10
		61W-17A-5	61W-17A-5-5.5	5.5	3/21/2022	mg/kg	<0.84	<10	<10
		61W-17A-6	61W-17A-6-5.5	5.5	3/21/2022	mg/kg	<0.85	<10	14
		61W-17A-7	61W-17A-7-5.5	5.5	3/21/2022	mg/kg	<0.92	<10	<10
		61W-17A-8	61W-17A-8-5.5	5.5	3/21/2022	mg/kg	<0.87	<10	<10
	23	61W-23-1	61W-23-1-5.5	5.5	3/18/2022	mg/kg	<0.84	<10	<10
		61W-23-2	61W-23-2-5.5	5.5	3/18/2022	mg/kg	<0.87	<10	<10
		61W-23-3	61W-23-3-5.5	5.5	3/18/2022	mg/kg	<0.80	<10	<10



**TABLE 2: TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Total Petroleum Hydrocarbons		
							C4-C12	C13-C23	C23-C32
61W	24	61W-24-1	61W-24-1-1	1	3/9/2022	mg/kg	<1.0*	<10	<10
		61W-24-2	61W-24-2-5.5	5.5	3/11/2022	mg/kg	<0.83	<10	14
		61W-24-3	61W-24-3-5.5	5.5	3/11/2022	mg/kg	<0.88	<10	15
		61W-24-4	61W-24-4-5.5	5.5	3/11/2022	mg/kg	<0.94	<10	16
		61W-24-5	61W-24-5-5.5	5.5	3/11/2022	mg/kg	<0.91	<10	15
	26	61W-24-6	61W-24-6-5.5	5.5	3/11/2022	mg/kg	<0.78	<10	15
		61W-26-1	61W-26-1-5.5	5.5	3/11/2022	mg/kg	<0.75	<10	15
	30	61W-30-1	61W-30-1-5.5	5.5	3/16/2022	mg/kg	<0.86	<10	<10
		61W-30-2	61W-30-2-5.5	5.5	3/16/2022	mg/kg	<1.1	<10	<10
		61W-30-3	61W-30-3-5.5	5.5	3/16/2022	mg/kg	<0.75	<10	<10
		61W-30-4	61W-30-4-5.5	5.5	3/16/2022	mg/kg	<0.87	<10	<10
		61W-30-5	61W-30-5-5.5	5.5	3/16/2022	mg/kg	<0.85	<10	<10
		61W-30-6	61W-30-6-5.5	5.5	3/15/2022	mg/kg	<0.83	<10	<10
		61W-30-7	61W-30-7-5.5	5.5	3/16/2022	mg/kg	<0.75	<10	<10
		61W-30-8	61W-30-8-5.5	5.5	3/16/2022	mg/kg	<0.83	<10	<10
	32	61W-32-1	61W-32-1-5.5	5.5	3/15/2022	mg/kg	<0.77	<10	<10
		61W-32-2	61W-32-2-5.5	5.5	3/15/2022	mg/kg	<0.87	<10	<10
		61W-32-3	61W-32-3-5.5	5.5	3/15/2022	mg/kg	<0.68	<10	<10
		61W-32-4	61W-32-4-5.5	5.5	3/15/2022	mg/kg	<0.95	<10	<10
		61W-32-5	61W-32-5-5.5	5.5	3/15/2022	mg/kg	<0.75	<10	<10
		61W-32-6	61W-32-6-5.5	5.5	3/15/2022	mg/kg	<0.85	<10	<10
		61W-32-7	61W-32-7-5.5	5.5	3/15/2022	mg/kg	<0.78	<10	<10
		61W-32-8	61W-32-8-5.5	5.5	3/17/2022	mg/kg	<0.72	<10	<10
		61W-32-9	61W-32-9-5.5	5.5	3/17/2022	mg/kg	<0.72	<10	<10
		61W-32-10	61W-32-10-5.5	5.5	3/17/2022	mg/kg	<0.82	<10	<10
	37	61W-37-1	61W-37-1-5.5	5.5	3/10/2022	mg/kg	<0.99	<10	<10
		61W-37-2	61W-37-2-5.5	5.5	3/10/2022	mg/kg	<0.99	<10	<10
	38	61W-38-1	61W-38-1-5.5	5.5	3/10/2022	mg/kg	<0.85	<10	<10
		61W-38-2	61W-38-2-5.5	5.5	3/10/2022	mg/kg	<0.84	<10	<10
	39	61W-39-1	61W-39-1-5.5	5.5	3/10/2022	mg/kg	<0.81	<10	<10
		61W-39-2	61W-39-2-5.5	5.5	3/10/2022	mg/kg	<1.0	<10	<10
		61W-39-3	61W-39-3-5.5	5.5	3/10/2022	mg/kg	<0.89	<10	<10
	40	61W-40-1	61W-40-1-5.5	5.5	3/9/2022	mg/kg	<1.0	<10	<10
	41	61W-41-1	61W-41-1-5.5	5.5	3/9/2022	mg/kg	<0.78	<20	<20
		61W-41-2	61W-41-2-5.5	5.5	3/9/2022	mg/kg	<1.0	<10	<10
	42	61W-42-1	61W-42-1-5.5	5.5	3/9/2022	mg/kg	<0.87	<10	<10
	43	61W-43-1	61W-43-1-5.5	5.5	3/21/2022	mg/kg	<0.79	<10	<10
		61W-43-2	61W-43-2-5.5	5.5	3/23/2022	mg/kg	<0.81	<10	13
	44	61W-44	61W-44-5.5	5.5	3/17/2022	mg/kg	<0.79	<10	<10



**TABLE 2: TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
 Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
 Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Total Petroleum Hydrocarbons		
							C4-C12	C13-C23	C23-C32
61C	4	61C-4-1	61C-4-1-5	5	2/23/2022	mg/kg	<0.90	<10	<10
		61C-4-2	61C-4-2-5.5	5.5	2/23/2022	mg/kg	<0.84	<10	<10
		61C-4-3	61C-4-3-5.5	5.5	2/23/2022	mg/kg	<0.81	<10	<10
		61C-4-4	61C-4-4-5.5	5.5	2/23/2022	mg/kg	<0.85	<10	<10
		61C-4-5	61C-4-5-5.5	5.5	2/23/2022	mg/kg	<0.76	<10	<10
	8	61C-8-1	61C-8-1-5.5	5.5	2/23/2022	mg/kg	<0.84	<10	<10
		61C-8-2	61C-8-2-5.5	5.5	2/23/2022	mg/kg	<0.84	<10	<10
		61C-8-3	61C-8-3-5.5	5.5	2/24/2022	mg/kg	<0.95	<10	<10
		61C-8-4	61C-8-4-5.5	5.5	2/24/2022	mg/kg	<0.78	<10	<10
		61C-8-5	61C-8-5-5.5	5.5	2/24/2022	mg/kg	<0.86	<10	<10
		61C-8-6	61C-8-6-SV10-5.5	5.5	2/24/2022	mg/kg	<0.75	<10	<10
62	2	62-2-1	62-2-1-6	6	3/1/2022	mg/kg	<0.96	<100	110
		62-2-2	62-2-2-6	6	3/2/2022	mg/kg	<1.0	<50	<50
		62-2-3	62-2-3-6	6	3/1/2022	mg/kg	<1.1	<10	11
		62-2-4	62-2-4-6	6	3/2/2022	mg/kg	<1.0	<10	<10
	5	62-5-1	62-5-1-5.5	5.5	2/25/2022	mg/kg	<1.0	<10	11
		62-5-2	62-5-2-5.5	5.5	2/25/2022	mg/kg	<0.90	<10	10
		62-5-3	62-5-3-5.5	5.5	2/25/2022	mg/kg	<0.98	<10	<10
		62-5-4	62-5-4-5.5	5.5	2/25/2022	mg/kg	<1.0	<10	11
		62-5-5	62-5-5-5.5	5.5	2/25/2022	mg/kg	<0.89	<10	10
		62-5-6	62-5-6-5.5	5.5	2/25/2022	mg/kg	<0.91	<10	10
	8	62-8-1	62-8-1-5.5	5.5	2/28/2022	mg/kg	<0.93	<10	<10
		62-8-2	62-8-2-5.5	5.5	2/28/2022	mg/kg	<1.0	<10	<10
		62-8-3	62-8-3-5.5	5.5	2/28/2022	mg/kg	<0.87	<10	<10
		62-8-4	62-8-4-5.5	5.5	2/28/2022	mg/kg	<0.83	<10	<10
		62-8-5	62-8-5-5.5	5.5	2/28/2022	mg/kg	<1.1	<10	<10
		62-8-6	62-8-6-5.5	5.5	2/28/2022	mg/kg	<0.92	<10	<10
	9	62-9-1	62-9-1-6	6	3/1/2022	mg/kg	<1.1	<10	11
			62-9-1-15	15	3/1/2022	mg/kg	<0.98	<10	<10
		62-9-2	62-9-2-5.5	5.5	3/1/2022	mg/kg	<1.3	<10	11
		62-9-3	62-9-3-6	6	3/1/2022	mg/kg	<0.97	<10	10
	13	62-9-4	62-9-4-5.5	5.5	3/1/2022	mg/kg	<0.86	<10	11
		62-13-1	62-13-1-5.5	5.5	3/14/2022	mg/kg	<0.84	<10	<10
		62-13-2	62-13-2-5.5	5.5	3/14/2022	mg/kg	<0.85	<10	<10
		62-13-3	62-13-3-5.5	5.5	3/14/2022	mg/kg	<0.80	<10	<10
		62-13-4	62-13-4-5.5	5.5	3/14/2022	mg/kg	<0.88	<10	<10
		62-13-5	62-13-5-5.5	5.5	3/14/2022	mg/kg	<0.91	<10	<10
		62-13-6	62-13-6-5.5	5.5	3/14/2022	mg/kg	<0.86	<10	<10
		62-13-7	62-13-7-5.5	5.5	3/14/2022	mg/kg	<0.84	<10	<10



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 Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Total Petroleum Hydrocarbons		
							C4-C12	C13-C23	C23-C32
68	2	68-2-1	68-2-1-5.5	5.5	3/2/2022	mg/kg	<1.0	<10	<10
		68-2-2	68-2-2-5.5	5.5	3/2/2022	mg/kg	<1.0	<10	<10
		68-2-3	68-2-3-5.5	5.5	3/3/2022	mg/kg	<0.73	<10	13
	6	68-6-1	68-6-1-5.5	5.5	3/7/2022	mg/kg	<0.90	<10	<10
		68-6-2	68-6-2-5.5	5.5	3/7/2022	mg/kg	<0.95	<10	<10
	7	68-7-1	68-7-1-5.5	5.5	3/7/2022	mg/kg	<0.92	<10	<10
		68-7-2	68-7-2-5.5	5.5	3/7/2022	mg/kg	<0.86	<10	<10
	12	68-12-1	68-12-1-6	6	3/2/2022	mg/kg	<0.99	<10	<10
		68-12-2	68-12-2-6	6	3/2/2022	mg/kg	<1.0	<10	<10
	17	68-17-1	68-17-1-5.5	5.5	3/8/2022	mg/kg	<0.85	<10	13
		68-17-2	68-17-2-5.5	5.5	3/8/2022	mg/kg	<1.1	<10	12
		68-17-3	68-17-3-5.5	5.5	3/8/2022	mg/kg	<0.98	<10	13
		68-17-4	68-17-4-1	1	3/7/2022	mg/kg	<1.0*	<10	<10
	20	68-20-1	68-20-1-5.5	5.5	3/3/2022	mg/kg	<0.95	<10	15
		68-20-2	68-20-2-5.5	5.5	3/7/2022	mg/kg	<0.97	<10	<10
		68-20-3	68-20-3-5.5	5.5	3/7/2022	mg/kg	<1.1	<10	<10
	22-1	68-22-1-1	68-22-1-1-5.5	5.5	3/8/2022	mg/kg	<0.78	<10	16
		68-22-1-2	68-22-1-2-5.5	5.5	3/8/2022	mg/kg	<0.93	<10	13
	22-Shed1	68-22-Shed 1-1	68-22-Shed 1-1-5.5	5.5	3/8/2022	mg/kg	<0.90	<10	12
		68-22-Shed1-2	68-22-Shed1-2-5.5	5.5	3/10/2022	mg/kg	<0.91	<10	<10
Proposed Building Footprint (61W, 61C, 62, and 63)	SVs	SV-1	SV-1-5.5	5.5	3/23/2022	mg/kg	<0.72	<10	13
			SV-1-14	14	3/23/2022	mg/kg	<0.91	<10	<10
		SV-2	SV-2-5.5	5.5	3/17/2022	mg/kg	<0.86	<10	<10
			SV-2-14	14	3/17/2022	mg/kg	<1.1	<10	<10
		SV-3	SV-3-5.5	5.5	2/24/2022	mg/kg	<0.87	<10	<10
			SV-3-13	13	2/24/2022	mg/kg	<0.87	<10	<10
		SV-4	SV-4-5.5	5.5	3/23/2022	mg/kg	<0.83	<10	13
			SV-4-14	14	3/23/2022	mg/kg	<0.92	<10	12
		SV-5	SV-5-5.5	5.5	3/17/2022	mg/kg	<0.91	<10	<10
			SV-5-14	14	3/17/2022	mg/kg	<0.97	<10	<10
		SV-6	SV-6-5.5	5.5	3/23/2022	mg/kg	<0.91	<10	<10
			SV-6-14	14	3/23/2022	mg/kg	<0.91	<10	13
		SV-7	SV-7-5.5	5.5	3/23/2022	mg/kg	<0.87	<10	<10
			SV-7-14	14	3/23/2022	mg/kg	<0.95	<10	12
		SV-8	SV-8-5.5	5.5	3/17/2022	mg/kg	<0.88	<10	<10
			SV-8-14	14	3/17/2022	mg/kg	<0.93	<10	<10
		SV-9	SV-9-5.5	5.5	2/24/2022	mg/kg	<0.86	<10	<10
			SV-9-15	15	2/24/2022	mg/kg	<0.84	<10	<10
		SV-11	SV-11-5.5	5.5	3/3/2022	mg/kg	<0.86	<10	12
			SV-11-16.5	16.5	3/3/2022	mg/kg	<0.91	<10	11
		SV-12	SV-12-5.5	5.5	3/3/2022	mg/kg	<0.87	<10	10
			SV-12-15	15	3/3/2022	mg/kg	<0.91	<10	11



**TABLE 2: TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Total Petroleum Hydrocarbons				
							C4-C12	C13-C23	C23-C32		
Proposed Bulding Footprint (61W, 61C, 62, and 63)	SVs	SV-13	SV-13-5.5	5.5	3/3/2022	mg/kg	<0.94	<10	11		
			SV-13-15	15	3/3/2022	mg/kg	<0.92	<10	11		
		SV-14	SV-14-5.5	5.5	3/22/2022	mg/kg	<0.94	<10	<10		
			SV-14-15	15	3/22/2022	mg/kg	<0.99	<10	<10		
		SV-15	SV-15-5.5	5.5	3/22/2022	mg/kg	<0.79	<10	44		
			SV-15-15	15	3/22/2022	mg/kg	<0.98	<10	<10		
		SV-16	SV-16-5.5	5.5	3/22/2022	mg/kg	<0.85	<10	15		
			SV-16-14	14	3/22/2022	mg/kg	<0.81	<10	<10		
		SV-17	SV-17-5.5	5.5	3/22/2022	mg/kg	<0.78	<10	<10		
			SV-17-15	15	3/22/2022	mg/kg	<0.93	<10	<10		
		SV-18	SV-18-5.5	5.5	3/22/2022	mg/kg	<0.78	<10	<10		
			SV-18-14	14	3/22/2022	mg/kg	<0.83	<10	<10		
		SV-19	SV-19-5.5	5.5	3/22/2022	mg/kg	<0.87	<10	<10		
			SV-19-14	14	3/22/2022	mg/kg	<0.97	<10	<10		
		<b>Maximum Concentration</b>						<b>mg/kg</b>	<b>ND</b>	<b>ND</b>	<b>110</b>
		<b>Environmental Screening Levels</b>									
<b>Commerical/Industsrial Land Use</b>											
<b>SFBRWQCB ESLs<sup>1</sup></b>						<b>mg/kg</b>	<b>2,000</b>	<b>1,200</b>	<b>180,000</b>		

**Notes:**

Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for TPH using USEPA Method 8015B.  
 Sample depth = feet below where native soil is first encountered  
 mg/kg = milligrams per kilogram  
 -- = not analyzed or not available  
 < = constituent was not detected at a concentration equal to or greater than laboratory practical quantitation limit  
 ND = not detected  
 \* Sample was analyzed for TPH in the gasoline carbon range of C6-C12

**References:**

<sup>1</sup> San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 Revision 2, Environmental Screening Levels (ESLs), Januaray.

**TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs
61W	1	61W-1-1	61W-1-1-6	6	3/4/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61W-1-2	61W-1-2-6	6	3/4/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
			61W-1-2-15	15	3/4/2022	µg/kg	<5.0	<5.0	<5.0	<5.0	ND
		61W-1-3	61W-1-3-6	6	3/4/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
		61W-1-4	61W-1-4-6	6	3/4/2022	µg/kg	<4.8	<4.8	<4.8	<4.8	ND
		61W-1-5	61W-1-5-6	6	3/4/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		61W-1-6	61W-1-6-6	6	3/18/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND
		61W-1-7	61W-1-7-5.5	5.5	3/4/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
			61W-1-7-13	13	3/4/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		61W-1-8	61W-1-8-6	6	3/4/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61W-1-9	61W-1-9-5.5	5.5	3/18/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
	61W-1-9-14		14	3/18/2022	µg/kg	<4.6	<4.6	31	<4.6	ND	
	61W-1-10	61W-1-10-6	6	3/18/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND	
	61W-1-11	61W-1-11-6	6	3/18/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND	
	8	61W-8-1	61W-8-1-5.5	5.5	3/18/2022	µg/kg	6.8	<3.6	<3.6	<3.6	ND
	10	61W-10-1	61W-10-1-5.5	5.5	3/11/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		61W-10-2	61W-10-2-5.5	5.5	3/11/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
	17A	61W-17A-1	61W-17A-1-5.5	5.5	3/21/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		61W-17A-2	61W-17A-2-5.5	5.5	3/21/2022	µg/kg	4.9	<4.5	<4.5	<4.5	ND
		61W-17A-3	61W-17A-3-5.5	5.5	3/21/2022	µg/kg	8.8	<4.5	<4.5	<4.5	ND
		61W-17A-4	61W-17A-4-5.5	5.5	3/21/2022	µg/kg	7.1	<4.3	<4.3	<4.3	ND
		61W-17A-5	61W-17A-5-5.5	5.5	3/21/2022	µg/kg	6.6	<4.3	<4.3	<4.3	ND
		61W-17A-6	61W-17A-6-5.5	5.5	3/21/2022	µg/kg	22	<4.1	<4.1	<4.1	ND
		61W-17A-7	61W-17A-7-5.5	5.5	3/21/2022	µg/kg	73	<5.4	<5.4	<5.4	ND
	61W-17A-8	61W-17A-8-5.5	5.5	3/21/2022	µg/kg	20	<4.6	<4.6	<4.6	ND	
	23	61W-23-1	61W-23-1-5.5	5.5	3/18/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61W-23-2	61W-23-2-5.5	5.5	3/18/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61W-23-3	61W-23-3-5.5	5.5	3/18/2022	µg/kg	<4.0	<4.0	<4.0	<4.0	ND

**TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs
61W	24	61W-24-2	61W-24-2-5.5	5.5	3/11/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
		61W-24-3	61W-24-3-5.5	5.5	3/11/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		61W-24-4	61W-24-4-5.5	5.5	3/11/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND
		61W-24-5	61W-24-5-5.5	5.5	3/11/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61W-24-6	61W-24-6-5.5	5.5	3/11/2022	µg/kg	<3.5	<3.5	<3.5	<3.5	ND
	26	61W-26-1	61W-26-1-5.5	5.5	3/11/2022	µg/kg	<3.7	<3.7	<3.7	<3.7	ND
	30	61W-30-1	61W-30-1-5.5	5.5	3/16/2022	µg/kg	24	<4.2	<4.2	<4.2	ND
		61W-30-2	61W-30-2-5.5	5.5	3/16/2022	µg/kg	7.9	<4.1	<4.1	<4.1	ND
		61W-30-3	61W-30-3-5.5	5.5	3/16/2022	µg/kg	34	<3.8	<3.8	<3.8	ND
		61W-30-4	61W-30-4-5.5	5.5	3/16/2022	µg/kg	14	<4.3	<4.3	<4.3	ND
		61W-30-5	61W-30-5-5.5	5.5	3/16/2022	µg/kg	7.1	<4.2	<4.2	<4.2	ND
		61W-30-6	61W-30-6-5.5	5.5	3/15/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		61W-30-7	61W-30-7-5.5	5.5	3/16/2022	µg/kg	52	5.8	<3.8	<3.8	ND
		61W-30-8	61W-30-8-5.5	5.5	3/16/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
	32	61W-32-1	61W-32-1-5.5	5.5	3/15/2022	µg/kg	<3.8	<3.8	<3.8	<3.8	ND
		61W-32-2	61W-32-2-5.5	5.5	3/15/2022	µg/kg	3.8	<3.7	<3.7	<3.7	ND
		61W-32-3	61W-32-3-5.5	5.5	3/15/2022	µg/kg	<3.6	<3.6	<3.6	<3.6	ND
		61W-32-4	61W-32-4-5.5	5.5	3/15/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		61W-32-5	61W-32-5-5.5	5.5	3/15/2022	µg/kg	3.9	<3.9	<3.9	<3.9	ND
		61W-32-6	61W-32-6-5.5	5.5	3/15/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		61W-32-7	61W-32-7-5.5	5.5	3/15/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
		61W-32-8	61W-32-8-5.5	5.5	3/17/2022	µg/kg	<3.6	<3.6	<3.6	<3.6	ND
		61W-32-9	61W-32-9-5.5	5.5	3/17/2022	µg/kg	<3.5	<3.5	<3.5	<3.5	ND
		61W-32-10	61W-32-10-5.5	5.5	3/17/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
	37	61W-37-1	61W-37-1-5.5	5.5	3/10/2022	µg/kg	<4.0	<4.0	<4.0	<4.0	ND
		61W-37-2	61W-37-2-5.5	5.5	3/10/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
	38	61W-38-1	61W-38-1-5.5	5.5	3/10/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
		61W-38-2	61W-38-2-5.5	5.5	3/10/2022	µg/kg	<4.0	<4.0	<4.0	<4.0	ND
	39	61W-39-1	61W-39-1-5.5	5.5	3/10/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
		61W-39-2	61W-39-2-5.5	5.5	3/10/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
		61W-39-3	61W-39-3-5.5	5.5	3/10/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
	40	61W-40-1	61W-40-1-5.5	5.5	3/9/2022	µg/kg	<5.1	<5.1	<5.1	<5.1	ND

**TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs
61W	41	61W-41-1	61W-41-1-5.5	5.5	3/9/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
		61W-41-2	61W-41-2-5.5	5.5	3/9/2022	µg/kg	<5.1	<5.1	<5.1	<5.1	ND
	42	61W-42-1	61W-42-1-5.5	5.5	3/9/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
	43	61W-43-1	61W-43-1-5.5	5.5	3/21/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
		61W-43-2	61W-43-2-5.5	5.5	3/23/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
44	61W-44	61W-44-5.5	5.5	3/17/2022	µg/kg	4.3	<4.1	<4.1	<4.1	ND	
61C	4	61C-4-1	61C-4-1-5	5	2/23/2022	µg/kg	<5.1	<5.1	<5.1	12	ND
		61C-4-2	61C-4-2-5.5	5.5	2/23/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61C-4-3	61C-4-3-5.5	5.5	2/23/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		61C-4-4	61C-4-4-5.5	5.5	2/23/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
		61C-4-5	61C-4-5-5.5	5.5	2/23/2022	µg/kg	<3.7	<3.7	<3.7	<3.7	ND
	8	61C-8-1	61C-8-1-5.5	5.5	2/23/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
		61C-8-2	61C-8-2-5.5	5.5	2/23/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
		61C-8-3	61C-8-3-5.5	5.5	2/24/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
		61C-8-4	61C-8-4-5.5	5.5	2/24/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
		61C-8-5	61C-8-5-5.5	5.5	2/24/2022	µg/kg	<4.0	<4.0	<4.0	<4.0	ND
		61C-8-6-SV10	61C-8-6-SV10-5.5	5.5	2/24/2022	µg/kg	<3.8	<3.8	<3.8	<3.8	ND
62	2	62-2-1	62-2-1-6	6	3/1/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		62-2-2	62-2-2-6	6	3/2/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		62-2-3	62-2-3-6	6	3/1/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		62-2-4	62-2-4-6	6	3/2/2022	µg/kg	<5.3	<5.3	<5.3	<5.3	ND
	5	62-5-1	62-5-1-5.5	5.5	2/25/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
		62-5-2	62-5-2-5.5	5.5	2/25/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND
		62-5-3	62-5-3-5.5	5.5	2/25/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		62-5-4	62-5-4-5.5	5.5	2/25/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		62-5-5	62-5-5-5.5	5.5	2/25/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		62-5-6	62-5-6-5.5	5.5	2/25/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND

**TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs	
62	8	62-8-1	62-8-1-5.5	5.5	2/28/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND	
		62-8-2	62-8-2-5.5	5.5	2/28/2022	µg/kg	<4.8	<4.8	<4.8	<4.8	ND	
		62-8-3	62-8-3-5.5	5.5	2/28/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND	
		62-8-4	62-8-4-5.5	5.5	2/28/2022	µg/kg	<5.1	<5.1	<5.1	<5.1	ND	
		62-8-5	62-8-5-5.5	5.5	2/28/2022	µg/kg	<5.9	<5.9	<5.9	<5.9	ND	
		62-8-6	62-8-6-5.5	5.5	2/28/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND	
	9	62-9-1	62-9-1-6	62-9-1-6	6	3/1/2022	µg/kg	<5.7	<5.7	<5.7	<5.7	ND
			62-9-1-15	62-9-1-15	15	3/1/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		62-9-2	62-9-2-5.5	5.5	3/1/2022	µg/kg	<5.3	<5.3	<5.3	<5.3	ND	
		62-9-3	62-9-3-6	6	3/1/2022	µg/kg	<5.6	<5.6	<5.6	<5.6	ND	
		62-9-4	62-9-4-5.5	5.5	3/1/2022	µg/kg	<5.8	<5.8	<5.8	<5.8	ND	
	13	62-13-1	62-13-1	62-13-1-5.5	5.5	3/14/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
			62-13-2	62-13-2-5.5	5.5	3/14/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
			62-13-3	62-13-3-5.5	5.5	3/14/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND
			62-13-4	62-13-4-5.5	5.5	3/14/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
			62-13-5	62-13-5-5.5	5.5	3/14/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND
			62-13-6	62-13-6-5.5	5.5	3/14/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
			62-13-7	62-13-7-5.5	5.5	3/14/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
68	2	68-2-1	68-2-1-5.5	5.5	3/2/2022	µg/kg	<3.7	<3.7	<3.7	<3.7	ND	
		68-2-2	68-2-2-5.5	5.5	3/2/2022	µg/kg	<3.5	<3.5	<3.5	<3.5	ND	
		68-2-3	68-2-3-5.5	5.5	3/3/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND	
	6	68-6-1	68-6-1-5.5	5.5	3/7/2022	µg/kg	<5.1	<5.1	<5.1	<5.1	ND	
		68-6-2	68-6-2-5.5	5.5	3/7/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND	
	7	68-7-1	68-7-1-5.5	5.5	3/7/2022	µg/kg	<4.6	<4.6	17	<4.6	ND	
		68-7-2	68-7-2-5.5	5.5	3/7/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND	
	12	68-12-1	68-12-1-6	6	3/2/2022	µg/kg	<5.6	<5.6	<5.6	<5.6	ND	
		68-12-2	68-12-2-6	6	3/2/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND	
	17	68-17-1	68-17-1-5.5	5.5	3/8/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND	
		68-17-2	68-17-2-5.5	5.5	3/8/2022	µg/kg	<5.4	<5.4	<5.4	<5.4	ND	
68-17-3		68-17-3-5.5	5.5	3/8/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND		



**TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs
68	20	68-20-1	68-20-1-5.5	5.5	3/3/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
		68-20-2	68-20-2-5.5	5.5	3/7/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		68-20-3	68-20-3-5.5	5.5	3/7/2022	µg/kg	<5.5	<5.5	<5.5	<5.5	ND
	22-1	68-22-1-1	68-22-1-1-5.5	5.5	3/8/2022	µg/kg	<4.0	<4.0	<4.0	<4.0	ND
		68-22-1-2	68-22-1-2-5.5	5.5	3/8/2022	µg/kg	<5.1	<5.1	<5.1	<5.1	ND
	22-Shed1	68-22-Shed 1-1	68-22-Shed 1-1-5.5	5.5	3/8/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
		68-22-Shed1-2	68-22-Shed1-2-5.5	5.5	3/10/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
Proposed Building Footprint (61W, 61C, 62, and 63)	SVs	SV-1	SV-1-5.5	5.5	3/23/2022	µg/kg	<3.7	<3.7	<3.7	<3.7	ND
			SV-1-14	14	3/23/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		SV-2	SV-2-5.5	5.5	3/17/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
			SV-2-14	14	3/17/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		SV-3	SV-3-5.5	5.5	2/24/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
			SV-3-13	13	2/24/2022	µg/kg	<4.9	<4.9	<4.9	<4.9	ND
		SV-4	SV-4-5.5	5.5	3/23/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
			SV-4-14	14	3/23/2022	µg/kg	<5.4	<5.4	<5.4	<5.4	ND
		SV-5	SV-5-5.5	5.5	3/17/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
			SV-5-14	14	3/17/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		SV-6	SV-6-5.5	5.5	3/23/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND
			SV-6-14	14	3/23/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
		SV-7	SV-7-5.5	5.5	3/23/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND
			SV-7-14	14	3/23/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
		SV-8	SV-8-5.5	5.5	3/17/2022	µg/kg	<4.5	<4.5	6.2	<4.5	ND
			SV-8-14	14	3/17/2022	µg/kg	<4.5	<4.5	<4.5	<4.5	ND
		SV-9	SV-9-5.5	5.5	2/24/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND
			SV-9-15	15	2/24/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND
		SV-11	SV-11-5.5	5.5	3/3/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND
			SV-11-16.5	16.5	3/3/2022	µg/kg	<4.7	<4.7	<4.7	<4.7	ND
		SV-12	SV-12-5.5	5.5	3/3/2022	µg/kg	<5.0	<5.0	<5.0	<5.0	ND
			SV-12-15	15	3/3/2022	µg/kg	<4.8	<4.8	<4.8	<4.8	ND
		SV-13	SV-13-5.5	5.5	3/3/2022	µg/kg	<5.4	<5.4	<5.4	<5.4	ND
			SV-13-15	15	3/3/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND

**TABLE 3: VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Trichloroethene (TCE)	1,1,1-Trichloroethane (1,1,1-TCA)	Chloroethane	Methylene Chloride	All Other VOCs		
Proposed Bulding Footprint (61W, 61C, 62, and 63)	SVs	SV-14	SV-14-5.5	5.5	3/22/2022	µg/kg	<4.6	<4.6	<4.6	<4.6	ND		
			SV-14-15	15	3/22/2022	µg/kg	<5.7	<5.7	<5.7	<5.7	ND		
		SV-15	SV-15-5.5	5.5	3/22/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND		
			SV-15-15	15	3/22/2022	µg/kg	<6.1	<6.1	<6.1	<6.1	ND		
		SV-16	SV-16-5.5	5.5	3/22/2022	µg/kg	<4.8	<4.8	<4.8	<4.8	ND		
			SV-16-14	14	3/22/2022	µg/kg	<4.3	<4.3	<4.3	<4.3	ND		
		SV-17	SV-17-5.5	5.5	3/22/2022	µg/kg	<4.2	<4.2	<4.2	<4.2	ND		
			SV-17-15	15	3/22/2022	µg/kg	<5.1	<5.1	15	<5.1	ND		
		SV-18	SV-18-5.5	5.5	3/22/2022	µg/kg	<3.9	<3.9	<3.9	<3.9	ND		
			SV-18-14	14	3/22/2022	µg/kg	<4.4	<4.4	<4.4	<4.4	ND		
		SV-19	SV-19-5.5	5.5	3/22/2022	µg/kg	<4.1	<4.1	<4.1	<4.1	ND		
			SV-19-14	14	3/22/2022	µg/kg	<5.0	<5.0	<5.0	<5.0	ND		
		<b>Maximum Concentration</b>						<b>µg/kg</b>	<b>73</b>	<b>5.8</b>	<b>31</b>	<b>12</b>	<b>ND</b>
		<b>Soil Screening Levels</b>											
		<b>Commercial/Industrial Land Use</b>											
								DTSC-SL <sup>1,2,3</sup>	µg/kg	6,000	7,200,000	23,000,000	26,000

**Notes:**

Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for VOCs using USEPA Method 8260B.  
Sample depth = feet below where native soil is first encountered  
µg/kg = micrograms per kilogram  
-- = not analyzed  
< = constituent was not detected at a concentration equal to or greater than laboratory practical quantitation limit  
ND = not detected

**References:**

<sup>1</sup> The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.  
<sup>2</sup> USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.  
<sup>3</sup> DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.



**TABLE 4: SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs) IN SOIL**  
**Proposed 97-Acre Project Magellan Airport Cargo Distribution Center**  
 Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	All SVOCs	
61W	1	61W-1-6	61W-1-6-6	6	3/18/2022	µg/kg	ND	
		61W-1-8	61W-1-8-6	6	3/4/2022	µg/kg	ND	
		61W-1-10	61W-1-10-6	6	3/18/2022	µg/kg	ND	
		61W-1-11	61W-1-11-6	6	3/18/2022	µg/kg	ND	
61C	8	61C-8-1	61C-8-1-5.5	5.5	2/23/2022	µg/kg	ND	
		61C-8-2	61C-8-2-5.5	5.5	2/23/2022	µg/kg	ND	
		61C-8-3	61C-8-3-5.5	5.5	2/24/2022	µg/kg	ND	
		61C-8-4	61C-8-4-5.5	5.5	2/24/2022	µg/kg	ND	
		61C-8-5	61C-8-5-5.5	5.5	2/24/2022	µg/kg	ND	
		61C-8-6-SV10	61C-8-6-SV10-5.5	5.5	2/24/2022	µg/kg	ND	
62	2	62-2-1	62-2-1-6	6	3/1/2022	µg/kg	ND	
		62-2-2	62-2-2-6	6	3/2/2022	µg/kg	ND	
		62-2-3	62-2-3-6	6	3/1/2022	µg/kg	ND	
		62-2-4	62-2-4-6	6	3/2/2022	µg/kg	ND	
	9	62-9-1	62-9-1-6	6	3/1/2022	µg/kg	ND	
		62-9-2	62-9-2-5.5	5.5	3/1/2022	µg/kg	ND	
		62-9-3	62-9-3-6	6	3/1/2022	µg/kg	ND	
		62-9-4	62-9-4-5.5	5.5	3/1/2022	µg/kg	ND	
<b>Maximum Concentration</b>						<b>µg/kg</b>	<b>ND</b>	
<b>Soil Screening Levels</b>								
<b>Commercial/Industrial Land Use</b>								
						DTSC-SL <sup>1,2,3</sup>	µg/kg	Various

**Notes:**

Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for SVOCs using USEPA Method 8270C.

Sample depth = feet below where native soil is first encountered

µg/kg = micrograms per kilogram

ND = not detected

**References:**

<sup>1</sup> The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.

<sup>2</sup> USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.

<sup>3</sup> DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.

**TABLE 5: POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Benzo(g,h,i)perylene	Chrysene	All Other PAHs
61W	1	61W-1-6	61W-1-6-6	6	3/18/2022	µg/kg	<5.0	<5.0	ND
		61W-1-8	61W-1-8-6	6	3/4/2022	µg/kg	<5.0	<5.0	ND
		61W-1-10	61W-1-10-6	6	3/18/2022	µg/kg	<5.0	<5.0	ND
		61W-1-11	61W-1-11-6	6	3/18/2022	µg/kg	<5.0	<5.0	ND
	37	61W-37-1	61W-37-1-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
		61W-37-2	61W-37-2-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
	38	61W-38-1	61W-38-1-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
		61W-38-2	61W-38-2-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
	39	61W-39-1	61W-39-1-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
		61W-39-2	61W-39-2-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
		61W-39-3	61W-39-3-5.5	5.5	3/10/2022	µg/kg	<5.0	<5.0	ND
	40	61W-40-1	61W-40-1-5.5	5.5	3/9/2022	µg/kg	6.4	7.6	ND
	41	61W-41-1	61W-41-1-5.5	5.5	3/9/2022	µg/kg	<25	<25	ND
		61W-41-2	61W-41-2-5.5	5.5	3/9/2022	µg/kg	<5.0	<5.0	ND
43	61W-43-2	61W-43-2-5.5	5.5	3/23/2022	µg/kg	<5.0	<5.0	ND	
44	61W-44	61W-44-5.5	5.5	3/17/2022	µg/kg	<5.0	<5.0	ND	
61C	8	61C-8-1	61C-8-1-5.5	5.5	2/23/2022	µg/kg	<10	<10	ND
		61C-8-2	61C-8-2-5.5	5.5	2/23/2022	µg/kg	<10	<10	ND
62	13	62-13-1	62-13-1-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-2	62-13-2-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-3	62-13-3-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-4	62-13-4-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-5	62-13-5-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-6	62-13-6-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND
		62-13-7	62-13-7-5.5	5.5	3/14/2022	µg/kg	<5.0	<5.0	ND

**TABLE 5: POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Benzo(g,h,i)perylene	Chrysene	All Other PAHs
68	6	68-6-1	68-6-1-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
		68-6-2	68-6-2-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
	7	68-7-1	68-7-1-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
		68-7-2	68-7-2-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
	20	68-20-1	68-20-1-5.5	5.5	3/3/2022	µg/kg	<10	<10	ND
		68-20-2	68-20-2-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
		68-20-3	68-20-3-5.5	5.5	3/7/2022	µg/kg	<5.0	<5.0	ND
	22	68-22-1-1	68-22-1-1-5.5	5.5	3/8/2022	µg/kg	<10	<10	ND
		68-22-1-2	68-22-1-2-5.5	5.5	3/8/2022	µg/kg	<5.0	<5.0	ND
	<b>Maximum Concentration</b>						<b>µg/kg</b>	<b>6.4</b>	<b>7.6</b>
<b>Soil Screening Levels</b>									
<b>Commercial/Industrial Land Use</b>									
					DTSC-SL <sup>1,2,3</sup>	µg/kg	NA	1,300,000	Various

**Notes:**

Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for PAHs using USEPA Method 8270 SIM.

Sample depth = feet below where native soil is first encountered

µg/kg = micrograms per kilogram

ND = not detected

**References:**

<sup>1</sup> The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.

<sup>2</sup> USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.

<sup>3</sup> DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.

**TABLE 6: POLYCHLORINATED BIPHENYLS (PCBS) IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
61W	24	61W-24-1	61W-24-1-1	1	3/9/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		61W-24-2	61W-24-2-1	1	3/11/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		61W-24-3	61W-24-3-1	1	3/11/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		61W-24-4	61W-24-4-1	1	3/11/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		61W-24-5	61W-24-5-1	1	3/11/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		61W-24-6	61W-24-6-1	1	3/11/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
68	17	68-17-1	68-17-1-1	1	3/8/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		68-17-2	68-17-2-1	1	3/8/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		68-17-3	68-17-3-1	1	3/8/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
		68-17-4	68-17-4-1	1	3/7/2022	µg/kg	<16	<16	<16	<16	<16	<16	<16
<b>Maximum Concentration</b>						<b>µg/kg</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>
<b>Soil Screening Levels</b>													
<b>Commercial/Industrial Land Use</b>													
DTSC-SL <sup>1,2,3</sup>						µg/kg	17,000	530	490	580	580	590	600

**Notes:**

Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for PCBs using USEPA Method 8082.  
Sample depth = feet below where native soil is first encountered  
µg/kg = micrograms per kilogram  
ND = not detected

**References:**

- <sup>1</sup> The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.  
<sup>2</sup> USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.  
<sup>3</sup> DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment

**TABLE 7: ORGANOCHLORINE PESTICIDES (OCPs) AND CHLORINATED HERBICIDES IN SOIL**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	4,4'-DDE	4,4'-DDT	All Other OCPs	All Chlorinated Herbicides
61W	1	61W-1-6	61W-1-6-1	1	3/18/2022	µg/kg	<2.0	<2.0	ND	ND
		61W-1-8	61W-1-8-1	1	3/4/2022	µg/kg	<2.0	<2.0	ND	ND
		61W-1-10	61W-1-10-1	1	3/18/2022	µg/kg	6.0	3.1	ND	ND
		61W-1-11	61W-1-11-1	1	3/18/2022	µg/kg	<2.0	2.6	ND	ND
Proposed Bulding Footprint (61W, 61C, 62, and 63)	SVs	SV-12	SV-12-1	1	3/3/2022	µg/kg	<2.0	<2.0	ND	ND
		SV-13	SV-13-1	1	3/3/2022	µg/kg	<2.0	<2.0	ND	ND
<b>Maximum Concentration</b>						<b>µg/kg</b>	<b>6.0</b>	<b>3.1</b>	<b>ND</b>	<b>ND</b>
<b>Soil Screening Levels</b>										
<b>Commercial/Industrial Land Use</b>										
					DTSC-SL <sup>1,2,3</sup>	µg/kg	9,300	7,100	Various	Various

**Notes:**

Soil samples were collected by GSI Environmental Inc. and analyzed by Advanced Technology Laboratories for OCPs using USEPA Method 8081A and by Enviro-Chem, Inc. for Chlorinated Herbicides using USEPA Method 8151A.

Sample depth = feet below where native soil is first encountered

4,4'-DDE = 4,4'-Dichlorodiphenyldichloroethylene

4,4'-DDT = 4,4'-Dichlorodiphenyltrichloroethane

µg/kg = micrograms per kilogram

ND = not detected

**References:**

<sup>1</sup> The DTSC-SL represents the DTSC screening level if defined for a compound; otherwise, the DTSC-SL uses the USEPA Regional Screening Levels.

<sup>2</sup> USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.

<sup>3</sup> DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.





**TABLE 9: VOLATILE ORGANIC COMPOUNDS (VOCS) IN SOIL VAPOR**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	Carbon Tetrachloride	Chloroform	Toluene	Other VOCs
<b>Soil Vapor Samples</b>													
61W	1	61W-1-2	61W-1-2-5	5	4/19/2022	µg/m <sup>3</sup>	<20	7,400	300	35	<20	<200	ND
			61W-1-2-15	15	4/19/2022	µg/m <sup>3</sup>	<20	11,000	590	<20	24	<200	ND
		61W-1-7	61W-1-7-5	5	4/19/2022	µg/m <sup>3</sup>	<20	5,000	650	30	<20	<200	ND
			61W-1-7-15	15	4/19/2022	µg/m <sup>3</sup>	32	9,800	1,500	64	<20	<200	ND
			61W-1-7-15N	15	4/19/2022	µg/m <sup>3</sup>	33	7,700	1,100	46	<20	<200	ND
		61W-1-9	61W-1-9-5	5	4/19/2022	µg/m <sup>3</sup>	<20	340	<100	<20	<20	<200	ND
61W-1-9-15	15		4/19/2022	µg/m <sup>3</sup>	<20	1,900	<100	25	<20	<200	ND		
61C	8	61C-8-6-SV10	61C-8-6-SV10-5	5	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
			61C-8-6-SV10-15	15	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
62	9	62-9-1	62-9-1-5	5	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
			62-9-1-5N	5	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
			62-9-1-15	15	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
Proposed Building Footprint (61W, 61C, 62, and 63)	SVs	SV-1	SV-1-5	5	4/18/2022	µg/m <sup>3</sup>	<20	730	460	27	<20	<200	ND
			SV-1-15	15	4/18/2022	µg/m <sup>3</sup>	<20	1,900	1,400	54	<20	<200	ND
			SV-1-15N	15	4/18/2022	µg/m <sup>3</sup>	<20	1,700	1,300	60	<20	<200	ND
		SV-2	SV-2-5	5	4/19/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
			SV-2-15	15	4/19/2022	µg/m <sup>3</sup>	<20	71	140	<20	<20	<200	ND
		SV-3	SV-3-5	5	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
			SV-3-15	15	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
		SV-4	SV-4-5	5	4/18/2022	µg/m <sup>3</sup>	<20	490	130	<20	<20	<200	ND
			SV-4-15	15	4/18/2022	µg/m <sup>3</sup>	<20	1,100	460	29	<20	<200	ND
		SV-5	SV-5-5	5	4/18/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
			SV-5-15	15	4/18/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
		SV-6	SV-6-5	5	4/18/2022	µg/m <sup>3</sup>	<20	62	<100	<20	<20	<200	ND
			SV-6-15	15	4/18/2022	µg/m <sup>3</sup>	<20	280	<100	<20	<20	<200	ND
		SV-7	SV-7-5	5	4/18/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
			SV-7-15	15	4/18/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	350	ND
		SV-8	SV-8-5	5	4/18/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
			SV-8-15	15	4/18/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
		SV-9	SV-9-5	5	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
			SV-9-15	15	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
		SV-11	SV-11-5	5	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
			SV-11-15	15	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
		SV-12	SV-12-5	5	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
			SV-12-15	15	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
		SV-13	SV-13-5	5	4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND
SV-13-15	15		4/20/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND		

**TABLE 9: VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL VAPOR**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

Area of Concern / Parcel Number	Map Feature Number	Boring Identification	Sample Identification	Sample Depth	Date Collected	Units	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	Carbon Tetrachloride	Chloroform	Toluene	Other VOCs	
Proposed Building Footprint (61W, 61C, 62, and 63)	SVs	SV-14	SV-14-5	5	4/19/2022	µg/m <sup>3</sup>	<20	59	<100	<20	<20	<200	ND	
			SV-14-15	15	4/19/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND	
		SV-15	SV-15-5	5	4/19/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND	
			SV-15-15	15	4/19/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND	
		SV-16	SV-16-5	5	4/21/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	390	ND	
			SV-16-15	15	4/21/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND	
		SV-17	SV-17-5	5	4/21/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	200	ND	
			SV-17-15	15	4/21/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND	
		SV-18	SV-18-5	5	4/21/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND	
			SV-18-15	15	4/21/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	210	ND	
		SV-19	SV-19-5	5	4/21/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND	
			SV-19-5N	5	4/21/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND	
			SV-19-15	15	4/21/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND	
		<b>Quality Assurance/Quality Control Samples</b>												
--	--	--	EB-2022-0418	--	4/18/2022	µg/m <sup>3</sup>	<20	<20	<100	<20	<20	<200	ND	
						<b>Maximum Concentration</b>	<b>µg/m<sup>3</sup></b>	<b>33</b>	<b>11,000</b>	<b>1,500</b>	<b>64</b>	<b>24</b>	<b>390</b>	<b>ND</b>
<b>Residential Soil Vapor Screening Levels <sup>1</sup></b>														
						DTSC Future Residential Building (AF=0.001)	µg/m <sup>3</sup>	460	480	73,000	470	120	310,000	Various
						USEPA All Building (AF=0.03)	µg/m <sup>3</sup>	15	16	2,400	16	4.0	10,000	Various
<b>Commerical / Industrial Soil Vapor Screening Levels <sup>1</sup></b>														
						DTSC Future Commercial/Industrial Building (AF=0.0005)	µg/m <sup>3</sup>	4,000	6,000	620,000	4,000	1,060	2,600,000	Various
						USEPA All Building (AF=0.03)	µg/m <sup>3</sup>	67	100	10,000	67	18	43,000	Various

**Notes:**

Soil vapor samples were collected and analyzed by H&P Mobile Geochemistry Inc. for VOCs using USEPA Method 8260 modified for soil vapor.

Sample depth = feet below where native soil is first encountered

µg/m<sup>3</sup> = micrograms per cubic meter

< = constituent was not detected at a concentration equal to or greater than laboratory reporting limit

N = replicate sample

ND = not detected

<sup>1</sup> Soil vapor results are compared to soil vapor screening levels generated by applying default attenuation factors (AF) for all buildings (0.03), as published by the USEPA (2015), or for future residential buildings (0.001), or for future commercial buildings (0.0005), as published by the DTSC (2011) to regional screening levels for indoor air under commercial/industrial land use published by the USEPA (2022) and modified by the DTSC (2022).

**References:**

DTSC, 2011, Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance), October.

DTSC Screening Levels (DTSC-SLs) are from California Environmental Protection Agency (Cal/EPA). 2022. Department of Toxic Substances Control (DTSC). Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). Revised May.

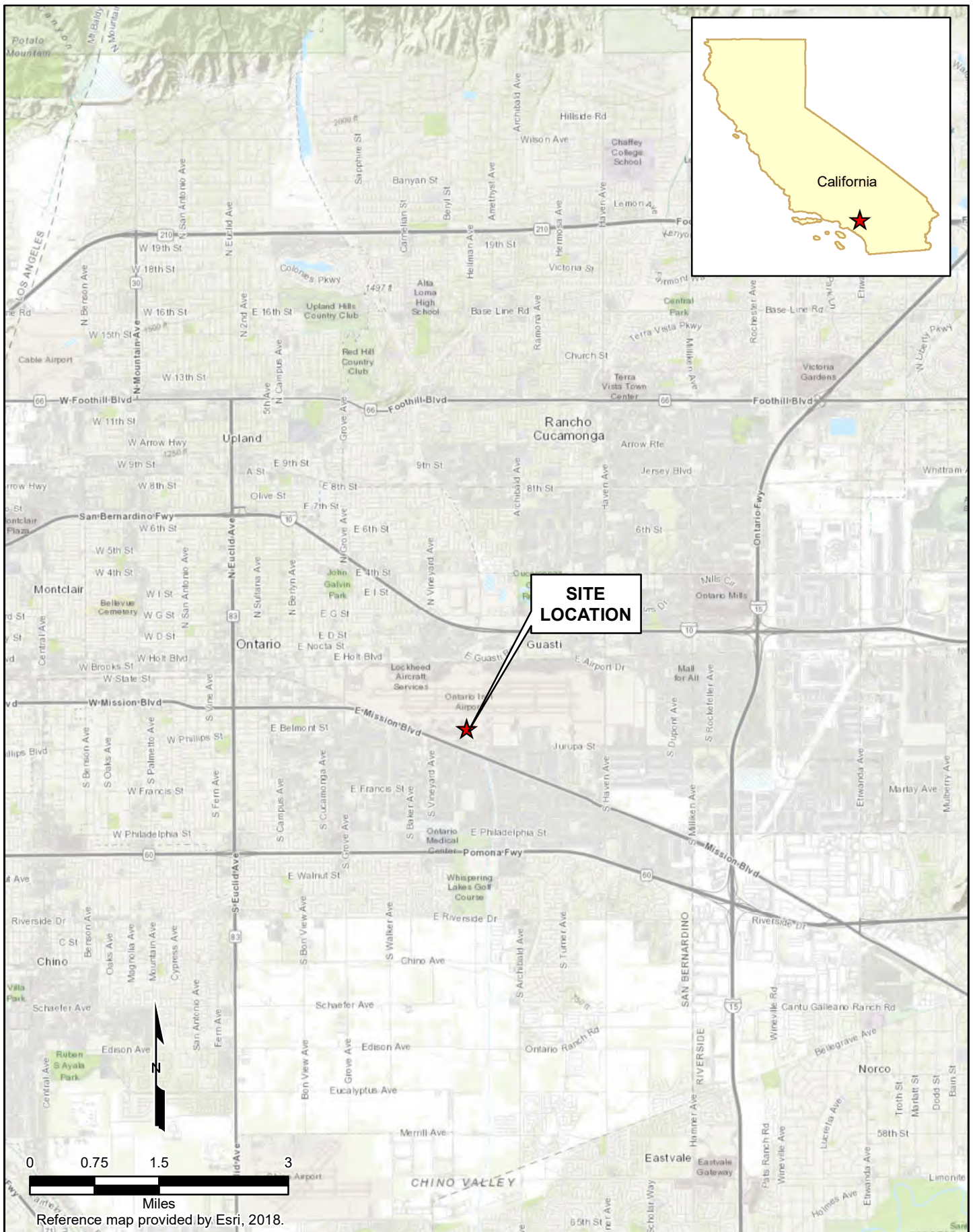
USEPA, 2015, OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, June.

USEPA Regional Screening Levels (RSLs) are from U.S. Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). May.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

**FIGURES**

- Figure 1. Site Location Map
- Figure 2. Phase II Environmental Investigation Locations
- Figure 3. VOC Detections in Soil Samples
- Figure 4. VOC Soil Sampling Locations – 61W-17A
- Figure 5. VOC Soil Sampling Locations – 61W-30
- Figure 6. VOC Soil Sampling Locations – 61W-32
- Figure 7. VOC Soil Sampling Locations – 61W-44
- Figure 8. PFOS, PFOA and Total PFAS in Soil
- Figure 9. Total PFAS in Soil at 3 Feet
- Figure 10. Total PFAS in Soil at 6 Feet
- Figure 11. Detected VOCs in Soil Vapor
- Figure 12. Total VOCs in Soil Vapor Probes at 5 Feet
- Figure 13. Total VOCs in Soil Vapor Probes at 15 Feet



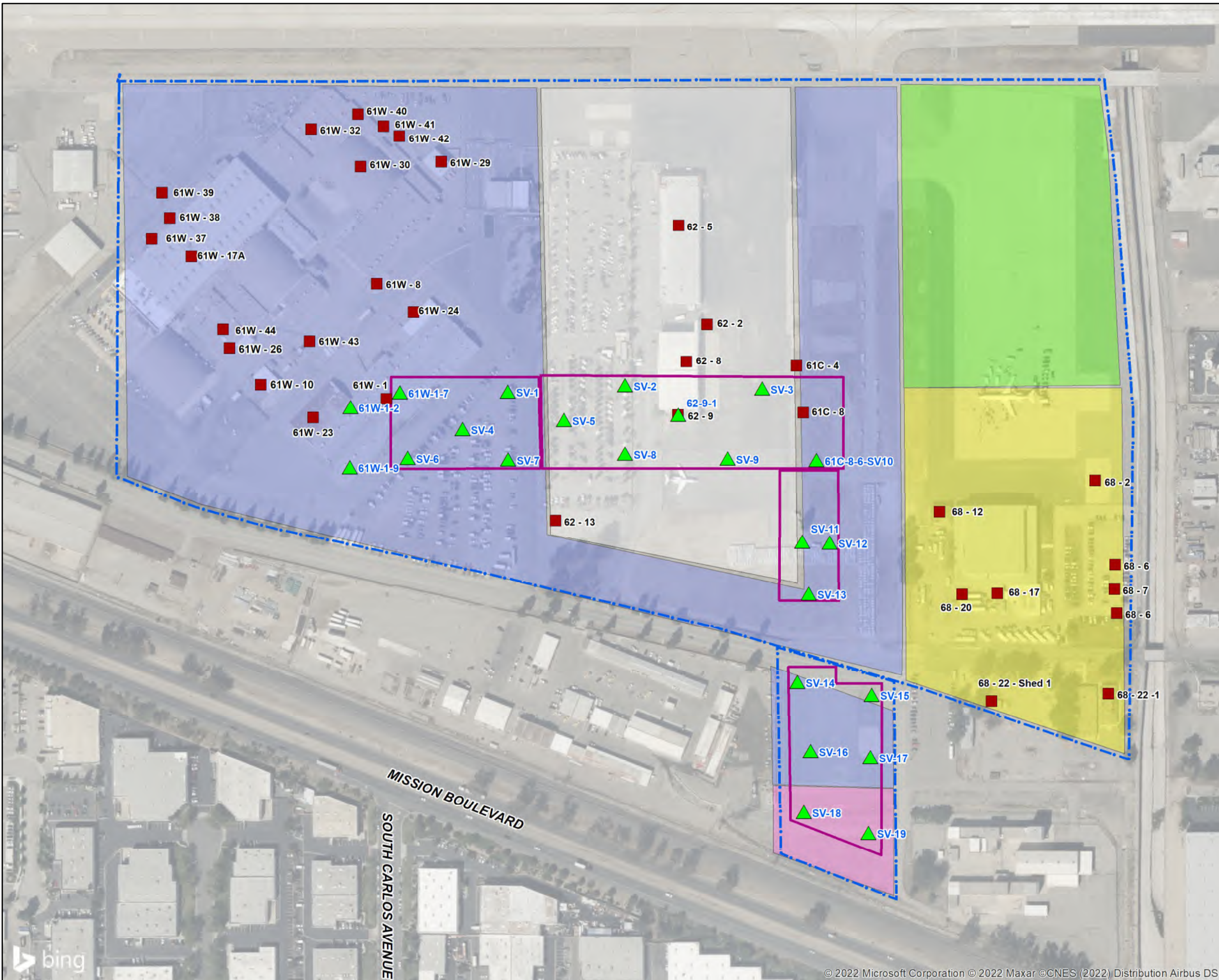
Reference map provided by Esri, 2018.



GSI Job No.	5925	Drawn by:	AV
Issued:	3-Nov-2022	Chk'd by:	SC
Revised:		Apr'd by:	BT
Map ID:	ONT_SiteLocMap	<b>FIGURE 1</b>	

**SITE LOCATION MAP**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California



**LEGEND**

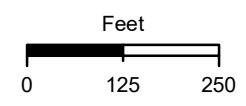
- Boring Locations with Dual-Nested Vapor Probe
- Phase II Environmental Investigation Location
- Proposed Buildings
- Site Investigation

- Parcel Designations
- Parcel 61C, 61S and 61W
  - Parcel 62
  - Parcel 63
  - Parcel 67
  - Parcel 68

**68-12** Parcel Number - Investigation Number

**Notes**

Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



Projected Coordinate System  
Datum: NAD 1983  
State Plane California Zone V  
Units: Feet

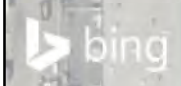


**PHASE II ENVIRONMENTAL INVESTIGATION LOCATIONS**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	<b>ONT_PH2Locs</b>	Appv'd By:	BT

**FIGURE 2**



Sample ID	Depth	TCE
61W-8-1	5.5	6.8

Sample ID	Depth	Chloroethane
61W-1-9	5.5	<4.4
	14	31

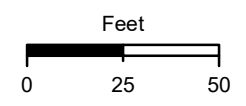


**LEGEND**

- ▲ Boring Locations with Dual-Nested Vapor Probe
- Soil Sampling Locations
- Proposed Building

**Notes**

- 1) Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).
- 2) Depth = feet below where native soil is first encountered; units = micrograms per kilogram (µg/kg); TCE = trichloroethene.
- 3) Data boxes for sample locations that VOCs were not detected are not shown.



Projected Coordinate System  
Datum: NAD 1983  
State Plane California Zone V  
Units: Feet



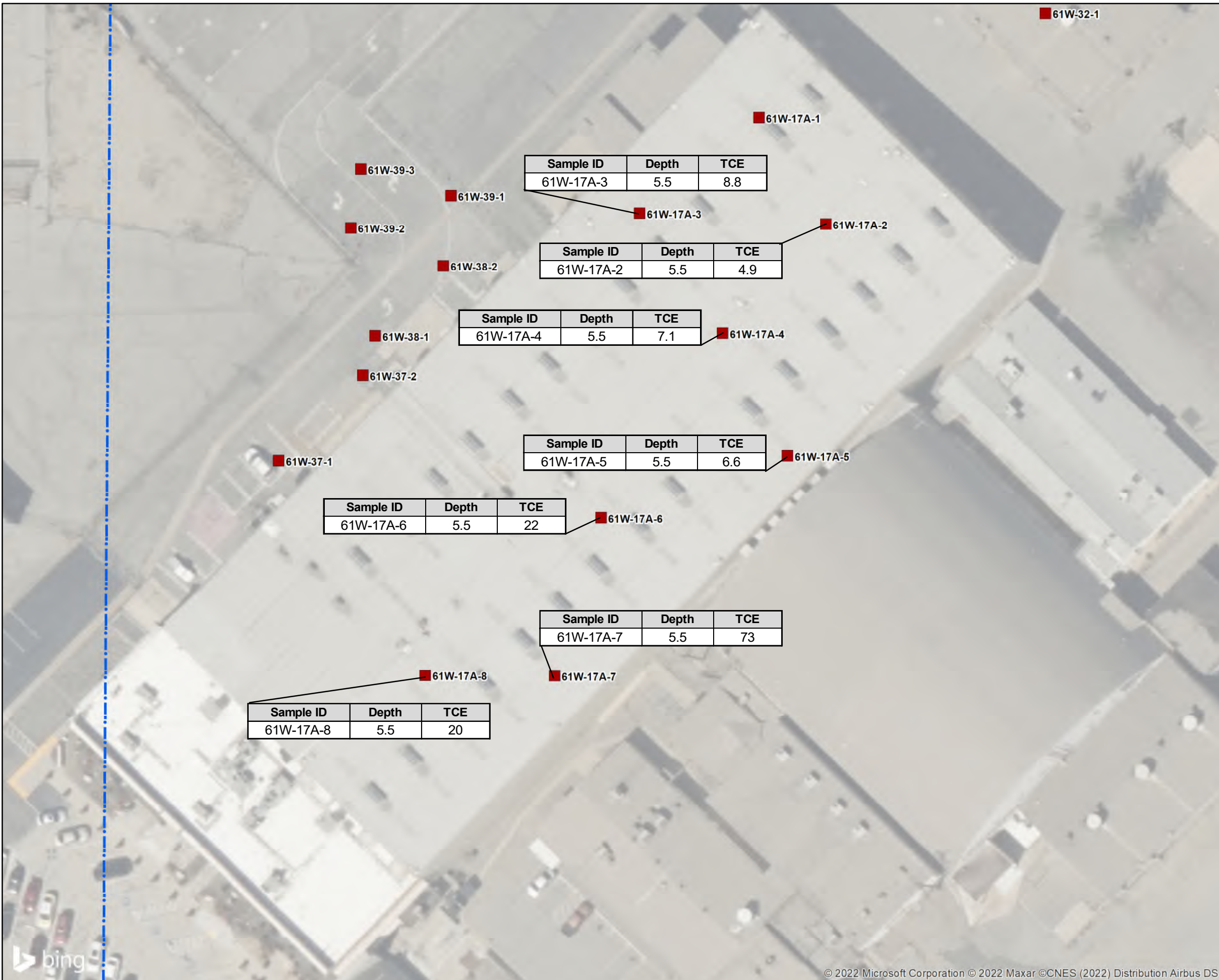
**VOC DETECTIONS IN SOIL SAMPLES**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	TN
Map ID:	ONT_PH2VOC_61W1	Appv'd By:	BT

**FIGURE 3**



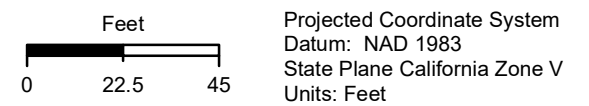


**LEGEND**

- VOC Soil Sampling Location
- Investigation Area

**Notes**

- 1) Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).
- 2) Depth = feet below where native soil is first encountered; units = micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ); TCE = trichloroethene.
- 3) Data boxes for sample locations that VOCs were not detected are not shown.

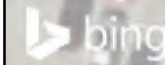


**VOC SOIL SAMPLING LOCATIONS - 61W-17A**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	TN
Map ID:	ONT_PH2_61W17A	Appv'd By:	BT

**FIGURE 4**



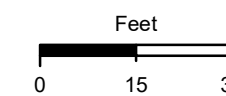


**LEGEND**

■ VOC Soil Sampling Location

**Notes**

- 1) Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).
- 2) Depth = feet below where native soil is first encountered; units = micrograms per kilogram (µg/kg); TCE = trichloroethene; 1,1,1-TCA = 1,1,1-Trichloroethane.
- 3) Data boxes for sample locations that VOCs were not detected are not shown.



Projected Coordinate System  
 Datum: NAD 1983  
 State Plane California Zone V  
 Units: Feet

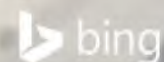


**VOC SOIL SAMPLING LOCATIONS - 61W-30**

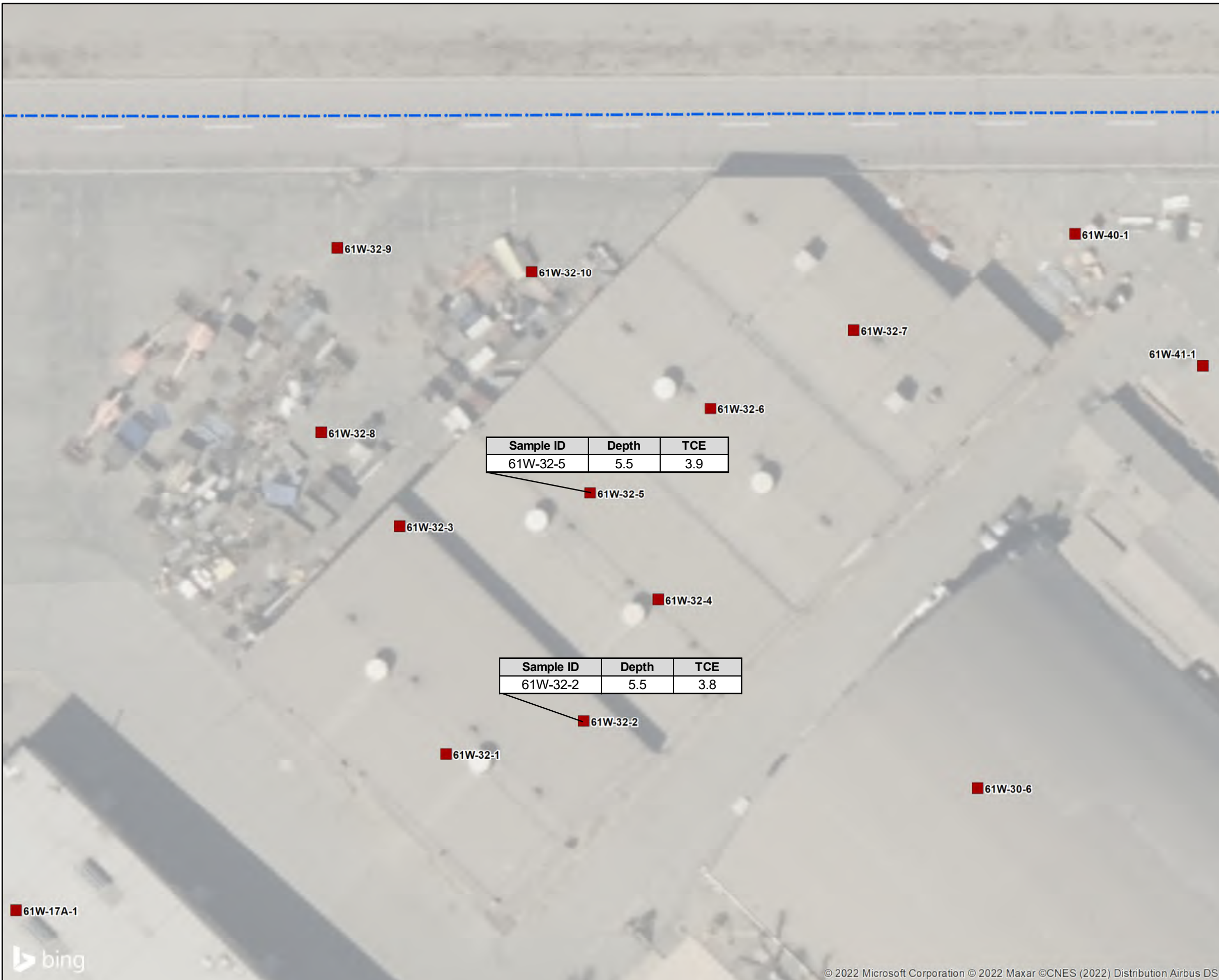
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
 Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	TN
Map ID:	ONT_PH2_61W30	Appv'd By:	BT

**FIGURE 5**





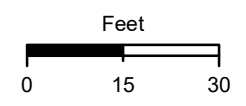


**LEGEND**

- VOC Soil Sampling Location
- Investigation Area

**Notes**

- 1) Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).
- 2) Depth = feet below where native soil is first encountered; units = micrograms per kilogram (µg/kg); TCE = trichloroethene.
- 3) Data boxes for sample locations that VOCs were not detected are not shown.



Projected Coordinate System  
 Datum: NAD 1983  
 State Plane California Zone V  
 Units: Feet



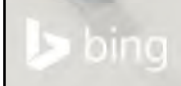
**VOC SOIL SAMPLING LOCATIONS - 61W-32**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
 Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	TN
Map ID:	ONT_PH2_61W32	Appv'd By:	BT

**FIGURE 6**

61W-17A-1



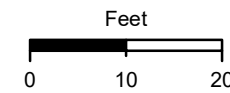


**LEGEND**

■ VOC Soil Sampling Location

**Notes**

- 1) Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).
- 2) Depth = feet below where native soil is first encountered; units = micrograms per kilogram (µg/kg); TCE = trichloroethene.
- 3) Data boxes for sample locations that VOCs were not detected are not shown.



Projected Coordinate System  
 Datum: NAD 1983  
 State Plane California Zone V  
 Units: Feet

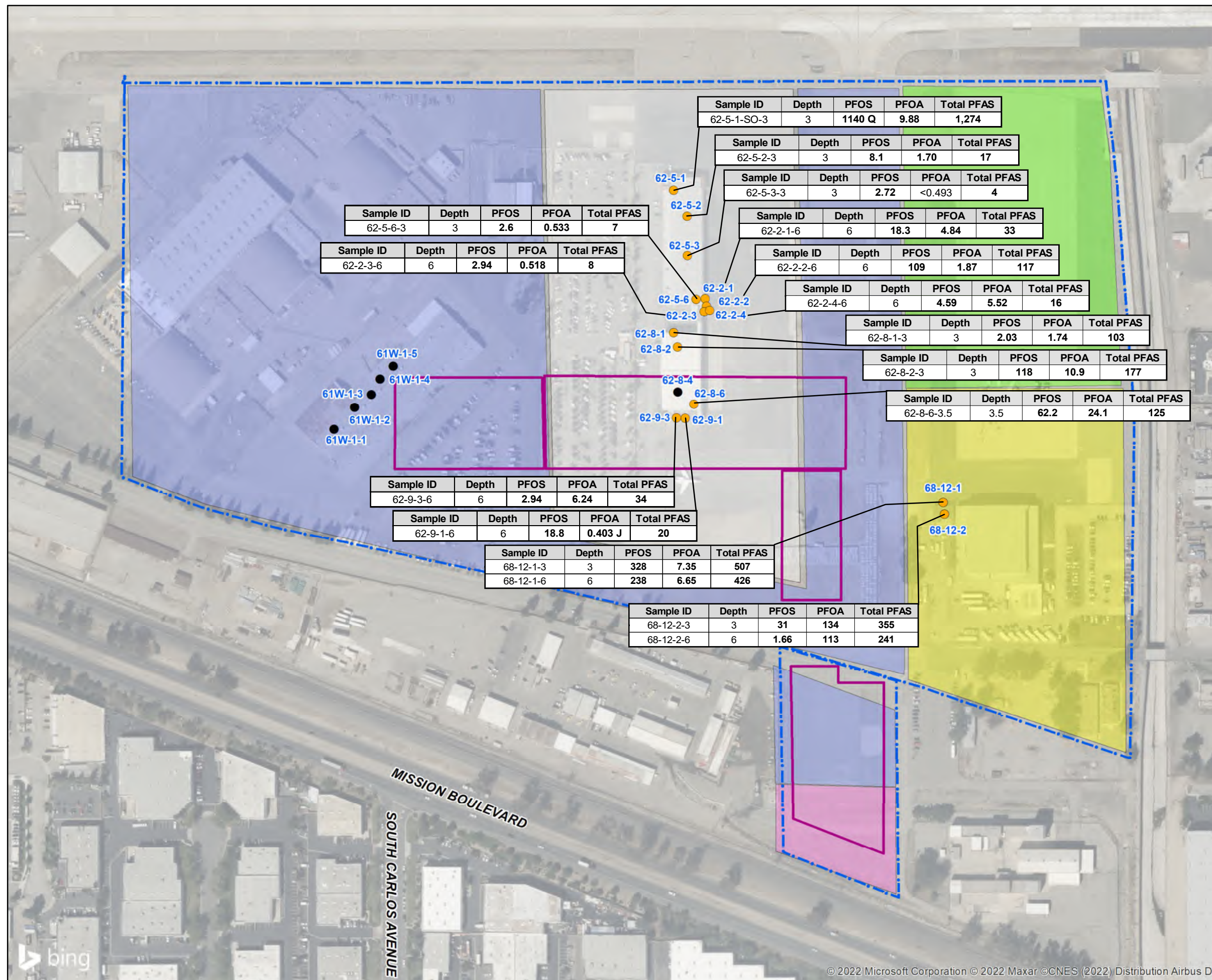


**VOC SOIL SAMPLING LOCATIONS - 61W-44**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
 Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	TN
Map ID:	<b>ONT_PH2_61W44</b>	Appv'd By:	BT

**FIGURE 7**



**LEGEND**

- Soil Samples with PFAS Detections
  - Soil Samples with No PFAS Detections
  - ▭ Proposed Buildings
  - ▭ Investigation Area
- Parcel Designations**
- ▭ Parcel 61C, 61S, and 61W
  - ▭ Parcel 62
  - ▭ Parcel 63
  - ▭ Parcel 67
  - ▭ Parcel 68

**Notes**

- 1) Imagery downloaded from Microsoft Bing, 2021.
- 2) Total PFAS = total detected amount of 23 PFAS analytes.
- 3) PFAS = Per- and Polyfluoroalkyl Substances; Depth = feet below where native soil is first encountered; units = nanograms per gram (ng/g); Q = the ion transition ratio is outside the accepted criteria; J = estimated value; < = constituent was not detected at a concentration equal to or greater than the laboratory reporting limit.

Feet  
 0 125 250  
 Projected Coordinate System  
 Datum: NAD 1983  
 State Plane California Zone V  
 Units: Feet



**PFOS, PFOA AND TOTAL PFAS IN SOIL**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
 Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	ONT_PFAS_SO	Appv'd By:	BT

**FIGURE 8**

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-5-6-3	3	2.6	0.533	7

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-2-3-6	6	2.94	0.518	8

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-5-1-SO-3	3	1140 Q	9.88	1,274

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-5-2-3	3	8.1	1.70	17

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-5-3-3	3	2.72	<0.493	4

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-2-1-6	6	18.3	4.84	33

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-2-2-6	6	109	1.87	117

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-2-4-6	6	4.59	5.52	16

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-8-1-3	3	2.03	1.74	103

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-8-2-3	3	118	10.9	177

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-8-6-3.5	3.5	62.2	24.1	125

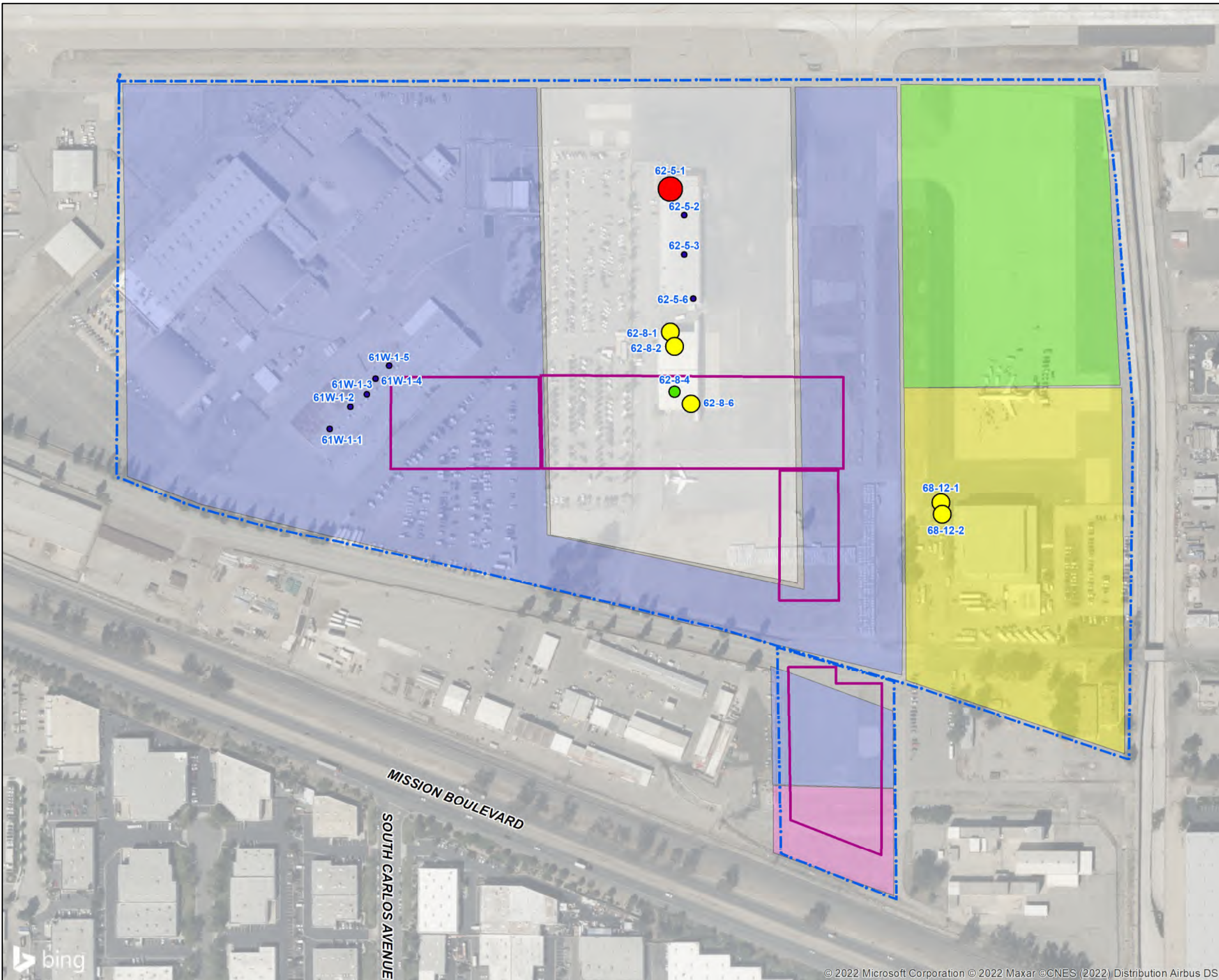
Sample ID	Depth	PFOS	PFOA	Total PFAS
62-9-3-6	6	2.94	6.24	34

Sample ID	Depth	PFOS	PFOA	Total PFAS
62-9-1-6	6	18.8	0.403 J	20

Sample ID	Depth	PFOS	PFOA	Total PFAS
68-12-1-3	3	328	7.35	507
68-12-1-6	6	238	6.65	426

Sample ID	Depth	PFOS	PFOA	Total PFAS
68-12-2-3	3	31	134	355
68-12-2-6	6	1.66	113	241





**LEGEND**

**Total PFAS in Nanograms per gram**

- 0 - 50
- 50 - 100
- 100 - 1,000
- >1,000

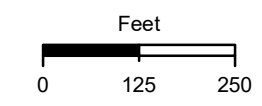
- Proposed Buildings
- Investigation Area

**Parcel Designations**

- Parcel 61C, 61S and 61W
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68

**Notes**

- 1) Imagery downloaded from Microsoft Bing, 2021.
- 2) Total PFAS = total detected amount of 23 PFAS analytes.
- 3) Two samples (62-8-4 and 62-8-6) are from 3.5 feet below ground surface.



Projected Coordinate System  
Datum: NAD 1983  
State Plane California Zone V  
Units: Feet

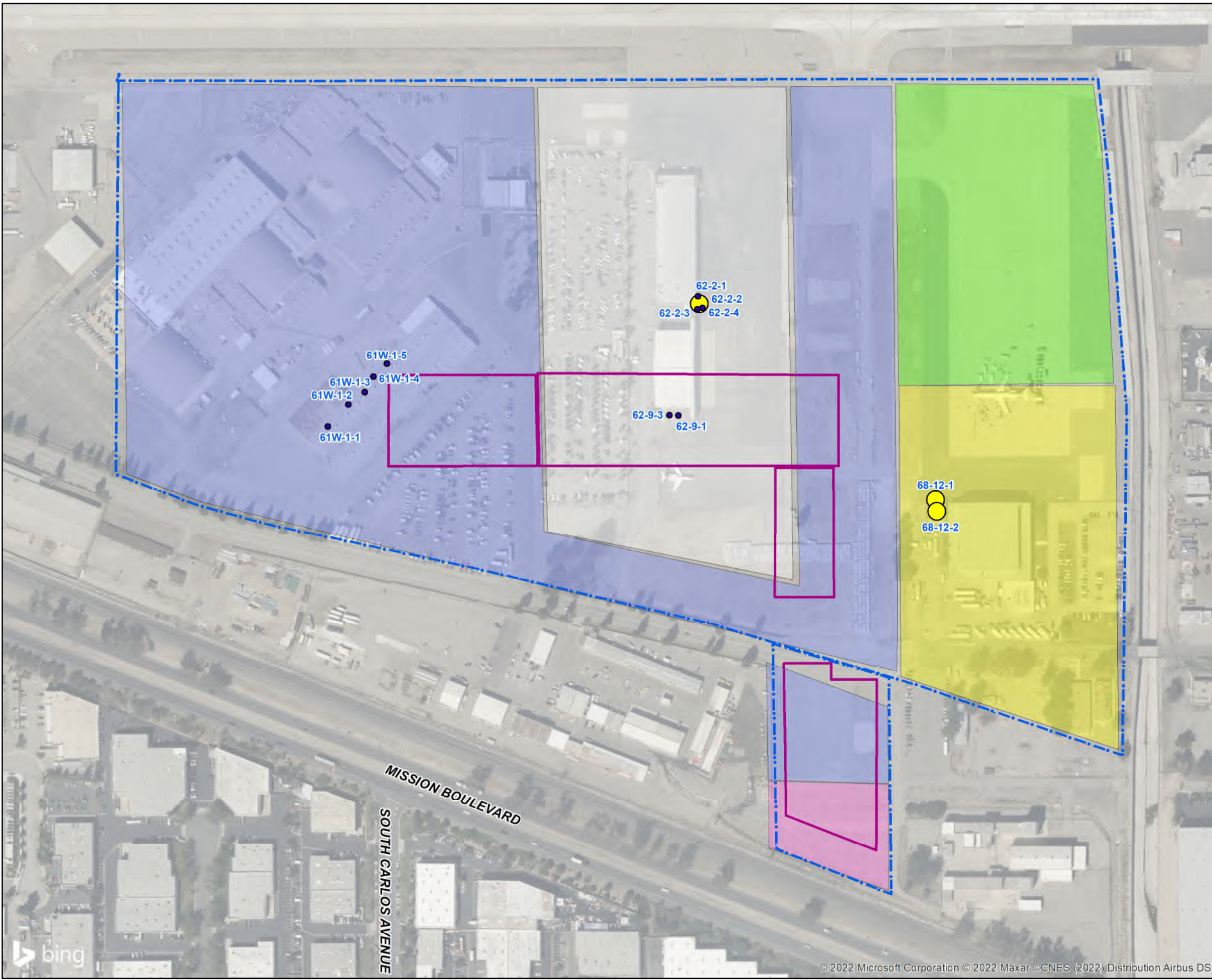


**TOTAL PFAS IN SOIL AT 3 FEET**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	ONT_SO3ft_PFAS	Appv'd By:	BT

**FIGURE 9**



**LEGEND**

**Total PFAS in Nanograms per gram**

- 0 - 50
- 50 - 100
- 100 - 1,000
- >1,000

Proposed Buildings

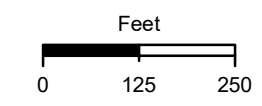
Investigation Area

**Parcel Designations**

- Parcel 61C, 61S and 61W
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68

**Notes**

- 1) Imagery downloaded from Microsoft Bing, 2021.
- 2) Total PFAS = total detected amount of 23 PFAS analytes.



Projected Coordinate System  
Datum: NAD 1983  
State Plane California Zone V  
Units: Feet

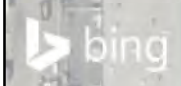


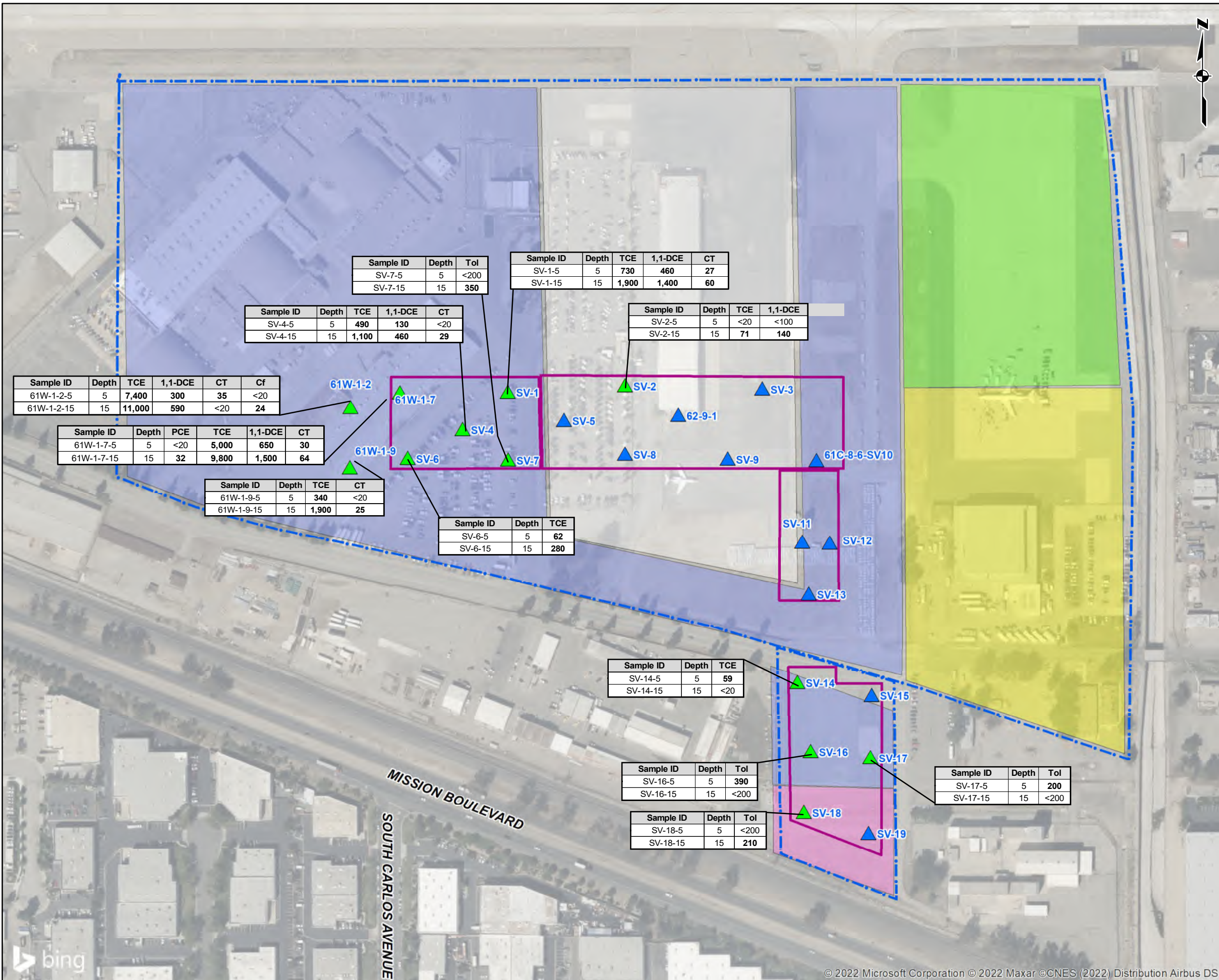
**TOTAL PFAS IN SOIL AT 6 FEET**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	ONT_SO6ft_PFA5	Appv'd By:	BT

**FIGURE 10**





**LEGEND**

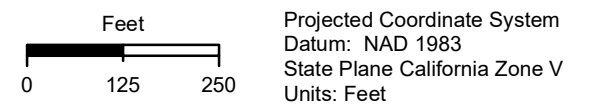
- ▲ VOCs Detected in Dual-Nested Vapor Probes
- ▲ VOCs Not Detected in Dual-Nested Vapor Probes
- Proposed Buildings
- Investigation Area

**Parcel Designations**

- Parcel 61C, 61S and 61W
- Parcel 62
- Parcel 63
- Parcel 67
- Parcel 68

**Notes**

- 1) Imagery downloaded from Microsoft Bing, 2021.
- 2) Depth = feet below ground surface; units = micrograms per cubic meter (µg/m<sup>3</sup>); < = not detected above the designated laboratory reporting limit; CT = carbon tetrachloride; Cf = chloroform; Tol = toluene; PCE = tetrachloroethene; TCE = trichloroethene; DCE = dichloroethene.
- 3) PCE, TCE, 1,1-DCE, carbon tetrachloride, chloroform, and toluene were VOCs with reportable concentrations and are the only ones reported on this figure. If a databox for the constituent is not shown, it means that constituent was not detected at or above the laboratory reporting limits (RLs). Where only "ND" (not detected) is listed, no constituent was identified above the RLs.



**DETECTED VOCs IN SOIL VAPOR**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	ONT_VOCsSV	Appv'd By:	BT

**FIGURE 11**



**LEGEND**

- Total VOCs in Soil Vapor ( $\mu\text{g}/\text{m}^3$ )**
- Not Detected at 5 Feet Below Ground Surface
  - 1 - 500
  - 501 - 2,000
  - 2,001 - 6,000
  - >6,000
- Proposed Buildings  
 Investigation Area
- Parcel Designations**
- Parcel 61C, 61S, and 61W
  - Parcel 62
  - Parcel 63
  - Parcel 67
  - Parcel 68

**Notes**

- 1) Imagery downloaded from Microsoft Bing, 2021.
- 2) Total VOCs = total detected amount of VOC analytes.
- 3)  $\mu\text{g}/\text{m}^3$  = micrograms per cubic meter.

<p>Feet</p>	<p>Projected Coordinate System Datum: NAD 1983 State Plane California Zone V Units: Feet</p>
-------------	--

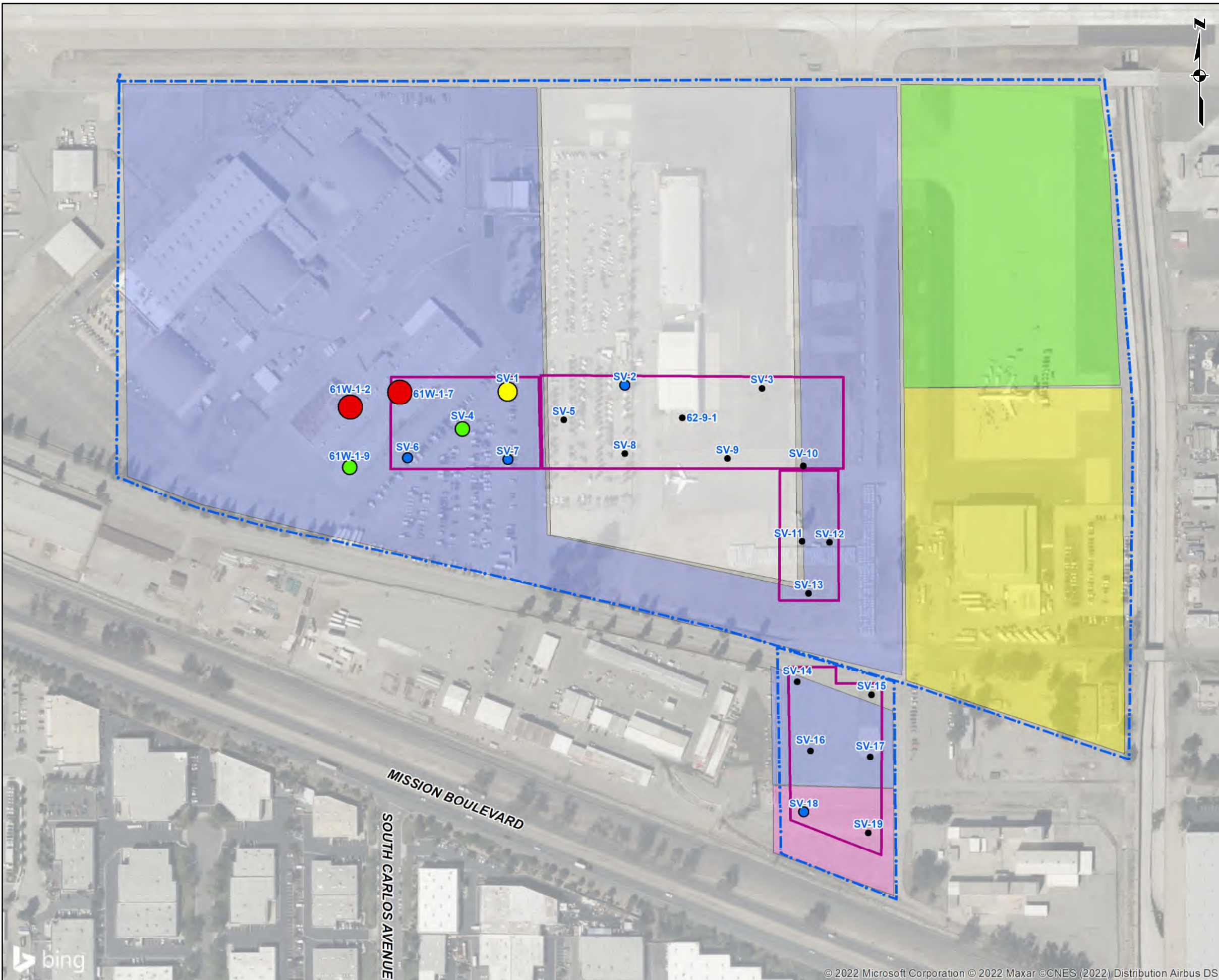


**TOTAL VOCs IN SOIL VAPOR PROBES AT 5 FEET**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	ONT_VOCs_SV5ft	App'v'd By:	BT

**FIGURE 12**



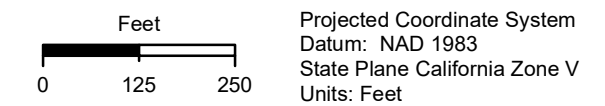
**LEGEND**

- Total VOCs in Soil Vapor ( $\mu\text{g}/\text{m}^3$ )**
- Not Detected at 15 Feet Below Ground Surface
  - 1 - 500
  - 501 - 2,000
  - 2,001 - 6,000
  - >6,000
- Proposed Buildings  
 Investigation Area

- Parcel Designations**
- Parcel 61C, 61S, and 61W
  - Parcel 62
  - Parcel 63
  - Parcel 67
  - Parcel 68

**Notes**

- 1) Imagery downloaded from Microsoft Bing, 2021.
- 2) Total VOCs = total detected amount of VOC analytes.
- 3)  $\mu\text{g}/\text{m}^3$  = micrograms per cubic meter.



**TOTAL VOCs IN SOIL VAPOR PROBES AT 15 FEET**

Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

GSI Job No.	5925	Drawn By:	AV
Issued:	3-Nov-2022	Chk'd By:	SC
Map ID:	ONT_VOCs_SV15ft	App'v'd By:	BT

**FIGURE 13**



**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

**APPENDICES**

**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

**APPENDIX A**

SubSurface Surveys Geophysical Survey Report



# SubSurface Surveys

**An Applied Geophysical Company**

2075 Corte Del Nogal, Suite W

Carlsbad, California 92011

Office: 760-476-0492

Fax: 760-476-0493

**GSI**

**Attn:** Vinnie Robino  
475 Goddard, Suite 200  
Irvine, California 92618

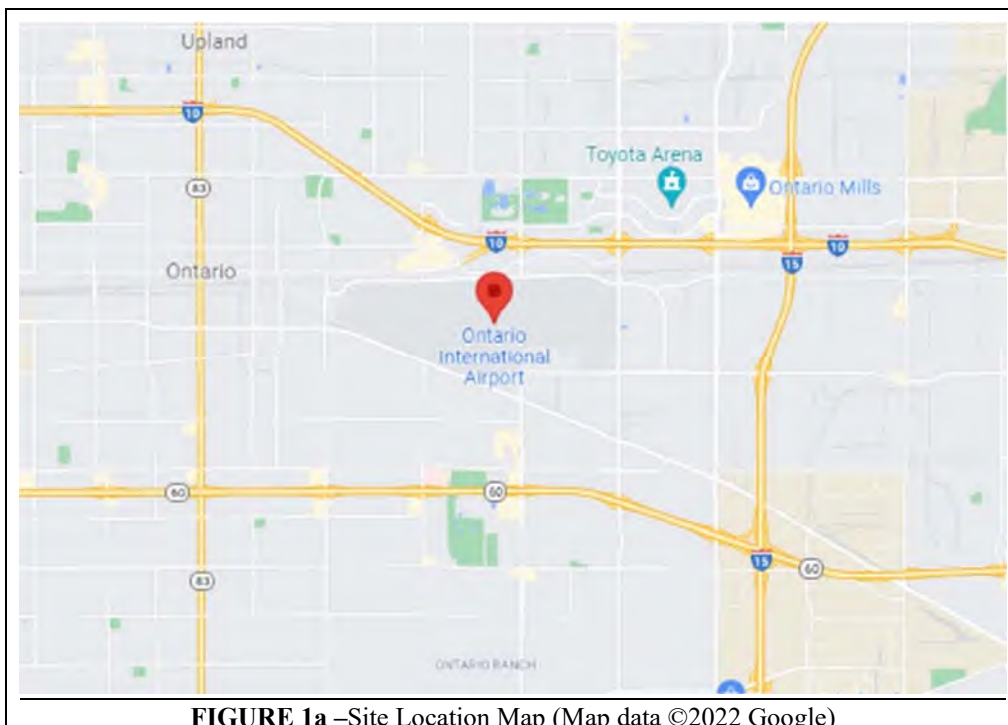
February 24<sup>th</sup>, 2022

**Subject:** Geophysical Survey  
Ontario International Airport  
2500 E Airport Dr  
Ontario, California

**Project Number:** 22-050

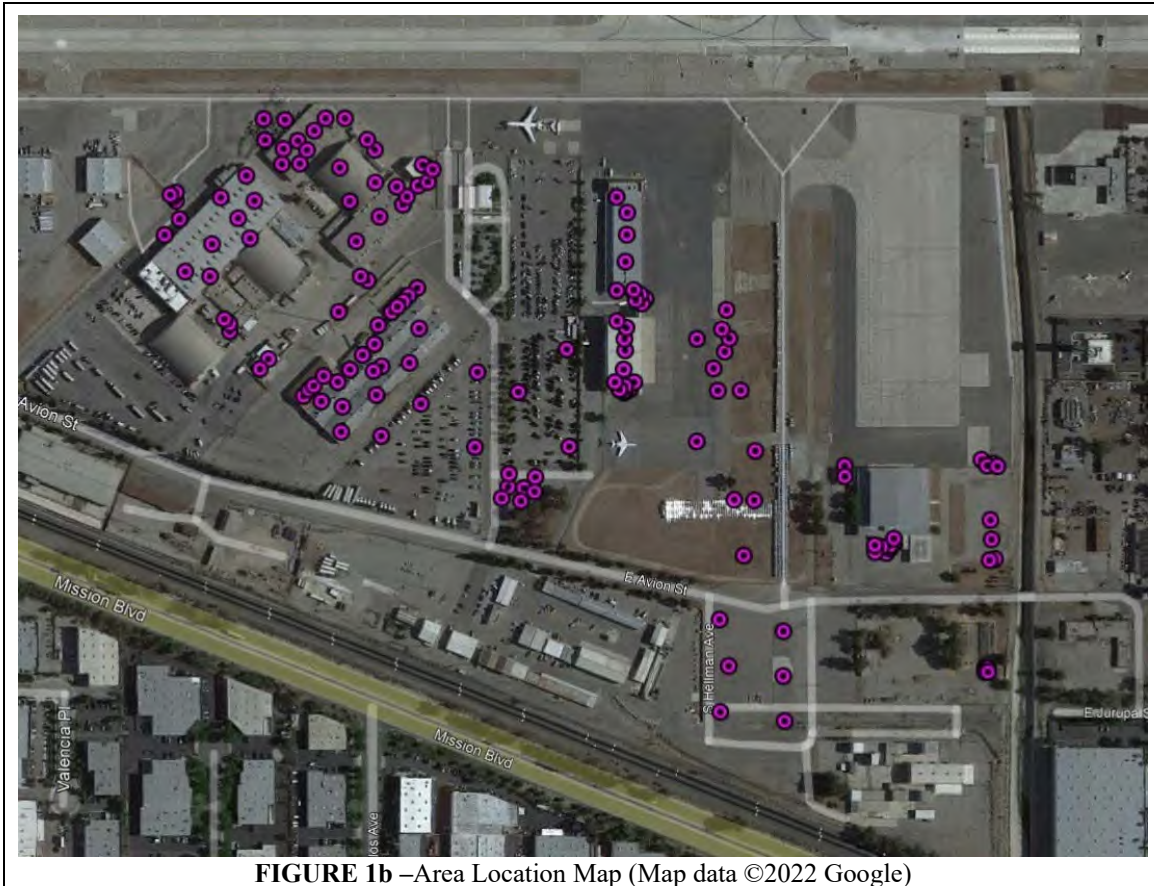
This report is to present the results of our geophysical survey carried over multiple areas of Ontario International Airport located at 2500 East Airport Drive in Ontario, California (Figure 1), from February 8<sup>th</sup> through 16<sup>th</sup>, 2022 (excluding February 11<sup>th</sup> to 13<sup>th</sup>). Purpose of the survey was to locate and identify, insofar as possible, the existence of any backfilled excavations that may exist within nine (9) predetermined areas located in different sections of the subject property. A secondary purpose of the survey was to locate and delineate underground utilities around the vicinity of multiple drain systems (i.e. sumps, clarifiers, drain inlets/outlets, etc.) for guidance in future borehole placement. And lastly, once these underground utilities were marked and identified, one hundred and forty-three (143) specific boreholes were positioned by the client around the aforementioned items in addition to other specific areas on the subject property.

A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) were applied to the search. A utility locator with line tracing capabilities was also brought to the field and used where risers exist onto which a signal could be impressed and traced.



**FIGURE 1a** –Site Location Map (Map data ©2022 Google)

**Survey Design** – The areas to be surveyed were indicated in the field by the client and can be seen on the Area Location Map with purple circles (Figure 1b).



The EM61 and GPR were traversed in a reconnaissance mode over the suspect excavation areas. Once these areas, if any, were established, the magnetic gradiometer, line tracer, M-Scope and GPR were traversed systematically in many directions. Additional traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found. Multiple GPR profiles were also collected throughout the area and in specific areas for confirmation where other instruments detected anomalies. The line tracer was also used to trace out all detectable utilities in the area.

For the secondary purpose, the EM61, GPR, magnetic gradiometer, M-scope and line tracer were systematically traversed in many directions around each drain system. Additional traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found. Multiple GPR profiles were also collected throughout the area and in specific areas for confirmation where other instruments detected anomalies. The line tracer was also used to trace out all detectable utilities in the area.

And lastly, each instrument was traversed systematically over each proposed borehole, along the eight lines of the standard search pattern (Figure 2), wherein, there are two sets of three parallel lines, mutually orthogonal, and two diagonals, all centered on the marked drill location. Adjacent parallel lines are approximately 5 feet apart, and each line is approximately 20 feet long, access permitting. Other traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found.

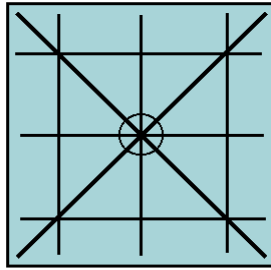


Figure 2: Standard search pattern around borehole

Hard copy of the EM data was not acquired, that is, discrete readings on the nodes of a grid were not recorded that could be put into a contoured map format. Rather, the instruments' meters were read continuously, and in real-time, during each traverse. This free-traversing method allowed for immediate detection of anomalous objects and facilitated the opportunity to investigate them further, without first having to download data in the office. The lack of hard copy for EM data sets does not degrade the quality of the survey in any way. Hard copy merely provides a basis for report documentation of these geophysical fields, if such documentation is needed.

The line tracers were used to impress signals onto pipes, generally through accessible risers and tracer wires when present, to delineate the lines' locations and orientations. The instruments were also used in passive mode, configured to detect 60 Hz electrical signals and other common radio-frequency signals.

A Geonic's model EM61 and a Fischer M-Scope was used for the EM sampling. A Sensors and Software Noggin Ground Penetrating Radar unit with a 500 MHz antenna produced the radar images. The magnetic gradiometer was a Schonstedt GA-52, and a Metrotech 9890 and RIDGID SR-60 SeekTech utility locator rounded out the tools applied.

**Brief Description of the Geophysical Methods Applied** - The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe's surface projection.

The magnetic gradiometer has two flux gate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits a sound signal at a low frequency. When the instrument passes over a buried iron or steel object, so that locally there is a high magnetic gradient, the frequency of the emitted sound increases. The frequency is a function of the gradient between the two sensors.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets.

The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response to a meter in the form of ground conductivity values for the M-Scope. The strength of the secondary field is a function of the conductivity of the object, say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet for the M-Scope are sensed. The devices are also somewhat focused; that is, they are more sensitive to conductors below the instrument than they are to conductors off to the side.

**Interpretation and Conclusions** - The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were marked on the ground cover with spray marking paint for the exterior boreholes and colored electrical tape was used for some of the interior areas and were further documented with site photographs (Figures 3-146), and radar images (Figures 147-155).

Piping and utilities detected during the survey were marked with spray marking paint on the ground cover using red for electric, yellow for gas, orange for communication, green for sanitary sewer/storm drain, green dashed lines were used to delineate the boundaries of each drain system (i.e. clarifiers, sumps, drains, etc.), orange dashed lines were used to delineate the boundaries of GPR Anomalies, pink dashed lines were used to delineate the boundaries of an EM Anomaly and white for lines of unknown utility type, buried vaults, footings and foundations.

There were 9 areas surveyed with geophysical instrumentation in attempts to determine the approximate location of former underground storage tanks. In some areas, more than one UST previously existed; however, using radar technology, once a backfilled excavation-like image is detected, the entire boundaries will be delineated and marked on the ground with orange spray marking paint. Radar imagery was captured over each GPR Anomaly and can be seen and referenced in the graphics in sequential order (Figures 147-155). Depending on soil conditions, backfilled materials, or near surface and/or subsurface features, anomalous characteristics may differ from one to the next. When locating and identifying a possible backfilled excavation, multiple factors are considered. These conditions may include but are not limited to; terminated lines, visible vent risers, asphalt cracking, existing fuel stations, etc. In some cases, site clues are not beneficial or do not exist and our reliance solely depends on the geophysical equipment. In some areas backfilled excavations can easily be detected with the radar system; however other areas may be more subtle where a “best candidate” anomaly will be marked if one can be identifiable.

GPR Anomaly #1 measures approximately 18 feet long and 9 feet wide and is located immediately adjacent to a possible buried vault (Figure 23). Radar imagery shows deeper penetrating levels over this anomaly, which may be caused by an existing void space (Figure 147). Asphalt cracking surrounded the anomalous feature, which may be caused by previous digging and/or excavating activities. The presence of a possible buried vault

sitting immediately adjacent to this anomaly is uncertain. A borehole was positioned between the potential vault and GPR Anomaly #1. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #2 measures approximately 52 feet long and 16 feet wide (Figures 65-67). Radar imagery shows a soil depression suggesting that previous digging and/or excavating activities occurred here (Figure 148). Two unknown pipes were detected to terminate within the boundaries of this anomaly (Figure 66 and 67). One of these pipes led to a possible vent line still in place located adjacent to a fire suppression system (Figure 67). Asphalt cracking was also observed around the perimeter. An existing sewer line was detected running through the anomaly, so if this was indeed a former tank hold, the tank would then most likely predate the sewer line. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #3 measures approximately 31 feet by 39 feet and is sandwiched between two sewer lines (Figures 70-73). Radar imagery shows a slanted reflection on both sides which is likely caused by the side walls of a backfilled excavation (Figure 149). An electric line was detected terminating within its southwestern boundary (Figure 73). These two conditions are common characteristics to a backfilled excavation. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #4 measures approximately 22 feet long and 11 feet wide (Figure 75). Two unknown lines were detected in the vicinity of this anomalous feature; one of which terminated within its boundaries. Although radar imagery was subtle, there was a slight soil depression within the upper 2 feet of the near subsurface (Figure 150). This “depression” could be caused by previous scraping and/or excavating activities. GPR Anomaly #4 remains a potential backfilled excavation candidate because of these aforementioned factors. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #5 measures approximately 28 feet long by 19 feet wide (Figures 76). Radar imagery was captured over this anomalous feature and similarly to GPR Anomaly #4 there was a slight soil depression within the upper 2 feet of the shallow subsurface (Figure 151). There was no other supporting evidence for the presence of a former tank hold. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #6 measures approximately 15 feet by 19 feet and was located adjacent to a building structure within a parking space (Figure 81). Two unknown lines were detected in the vicinity of this anomaly; one of which terminated at the southwestern boundaries. Radar imagery here also shows a subtle soil depression or change within the upper 2 feet (Figure 152). This anomaly remains a candidate because of these soil characteristics and line termination. There were no underground metallic objects detected within the boundaries of this anomaly.

GPR Anomaly #7 measures approximately 50 feet long and 24 feet wide (Figures 106-108). Multiple linear features, both unknown and former electric lines, were found to terminate along its edges. Two of these linear features headed east towards an electric powered fuel shutoff station (Figures 107 and 108). Radar imagery shows deeper penetration levels and disturbed soils suggesting that previous excavating activities occurred here (Figure 153). There were no underground metallic objects within the boundaries of this anomaly.

GPR Anomaly #8 measures approximately 95 feet by 92 feet (Figures 110-114). Similarly to GPR Anomaly #7, multiple electric lines were found to originate from an electric powered fuel shutoff station and terminate at the edges of this anomaly (Figure 111). Radar imagery shows higher reflective properties and deeper penetration levels which are common characteristics to a backfilled excavation (Figure 154). Please note however there was an EM Anomaly detected within the center of GPR Anomaly #8. The EM Anomaly was a relatively low signature, meaning the metallic contents are most likely clusters of small bits of buried junk debris. The outer

most boundaries of this anomaly was marked on the ground cover with pink spray marking paint. The radar system did not detect any hyperbolic features suggestive of an underground storage tank.

GPR Anomaly #9 measures approximately 24 feet by 23 feet (Figures 121-124). Multiple unknown linear features were found terminating at the edges of this anomaly. Additionally, there is an active electric and gas line running through this feature. Radar imagery shows clear boundaries of this anomaly with a hyperbolic feature in the center, which is a gas line (Figure 155). The surrounding soils possess deeper reflective properties while the anomaly itself contrasts this characteristic. Because the soils differ, this suggests that previous excavating activities occurred here. It is unknown when these activities commenced as there are active utility lines present. Similar to GPR Anomaly #2, if an underground storage tank existed, it most likely predated the aforementioned utility lines. There were no other underground metallic objects detected within the boundaries of this anomaly.

Once all detectable buried cultural objects were marked and accounted for within each survey area, our findings were discussed in the field with the client. After our findings were discussed each borehole was then marked cleared by SubSurface Surveys and Associates with a white circle and a yellow "SSS". Please refer to the graphics along with the markings in the field for a better representation of our findings.

**Limitations and Further Recommendations** - It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which instruments might not perform optimally. Consequently, the detection of buried objects in all circumstances **cannot be guaranteed**. Such limitations are numerous and include, but are not limited to, rebar-reinforced ground cover, abrupt changes in ground cover type, above-ground obstacles preventing full traverses or traverses in one direction only, above-ground conductive objects interfering with instrument signal, nearby powerlines or EM transmitters, highly conductive background soil conditions, limiting GPR penetration, non-metallic targets, shallower or larger objects shielding deeper or smaller targets, tracing signal jumping from one line to another, and inaccessible risers, cleanouts, valve boxes, and manholes. If one or more geophysical instrument is rendered ineffective and cannot be utilized, the quality of the survey can be somewhat degraded.

For the above reasons, and in the interest of maximum safety, we encourage our clients to take advantage of Underground Service Alert (USA), Dig Alert, or other similar services, when possible. Furthermore, we recommend hand-auguring and the use of a drilling method known as air knifing and vacuum extraction, when feasible or if applicable to this project. These methods may significantly limit damage to underground pipes, conduits, and utilities that might not have been detectable during the course of this survey. Please bear in mind, that geophysical surveying is only one of several levels of protection that is available to our clients.

SubSurface Surveys may include maps in some reports. While they are an accurate general representation of the site and our findings, they are not of engineering quality (i.e., measured and mapped by a licensed land surveyor).

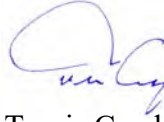
SubSurface Surveys and Associates makes no guarantee either expressed or implied regarding the accuracy of the findings and interpretations present. And, in no event will SubSurface Surveys and Associates be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.



All data acquired in these surveys are in confidential file in this office, and are available for review by your staff, or by us at your request, at any time. We appreciate the opportunity to participate in this project. Please call, if there are questions.



Bret Herman  
Staff Geophysicist



Travis Crosby, GP# 1044  
California State Geophysics Registration GP1044  
Senior Geophysicist, SubSurface Surveys

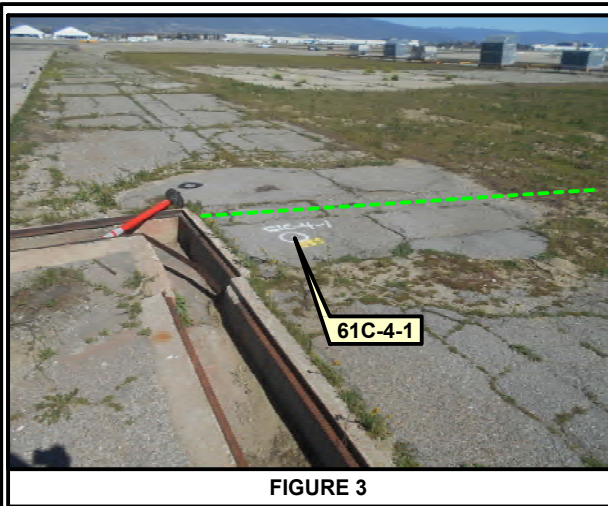


FIGURE 3

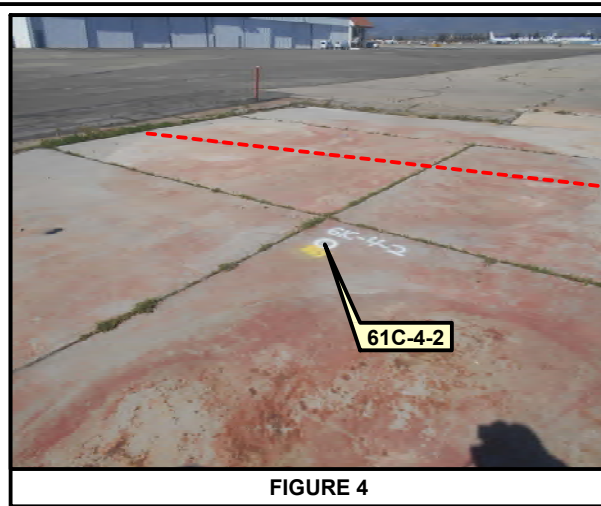


FIGURE 4

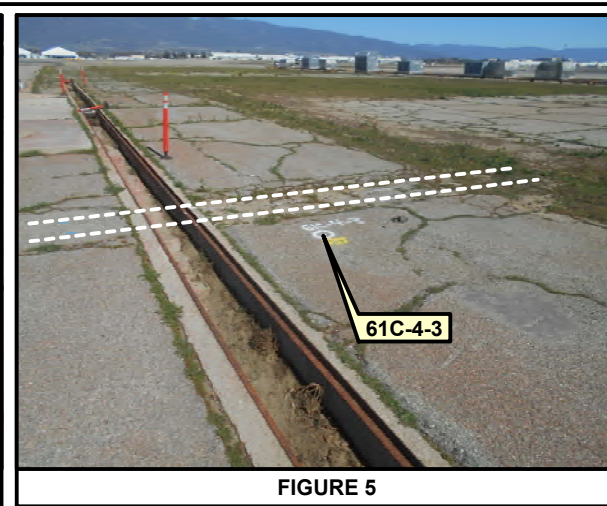


FIGURE 5

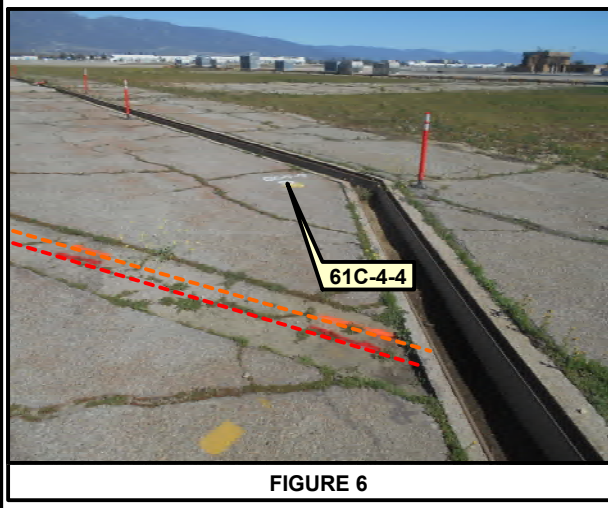


FIGURE 6

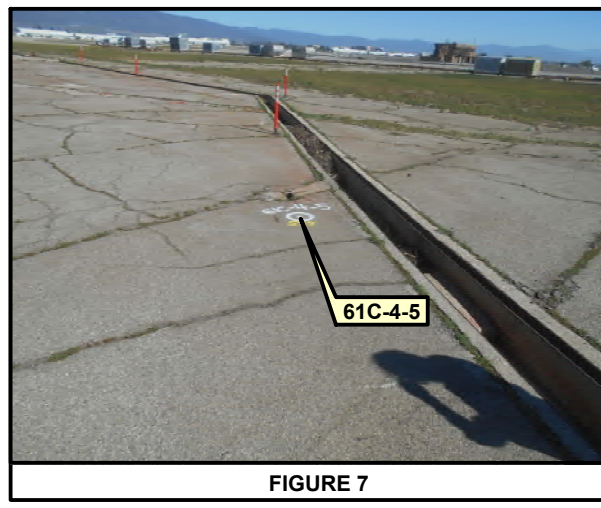


FIGURE 7

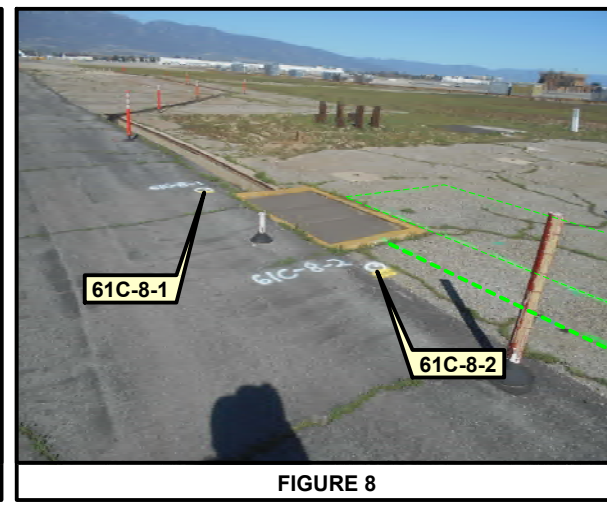


FIGURE 8

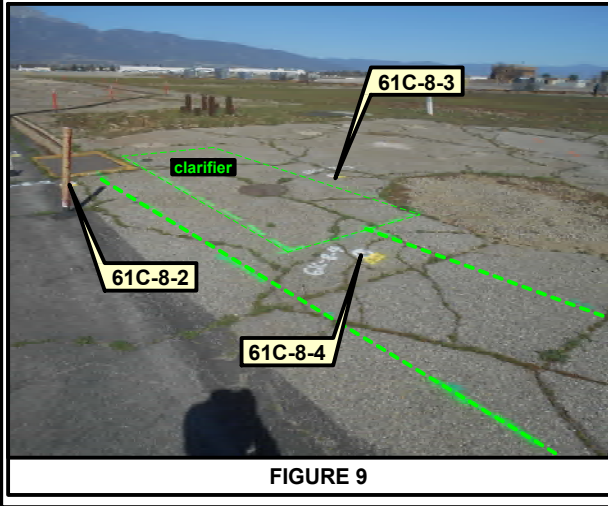


FIGURE 9

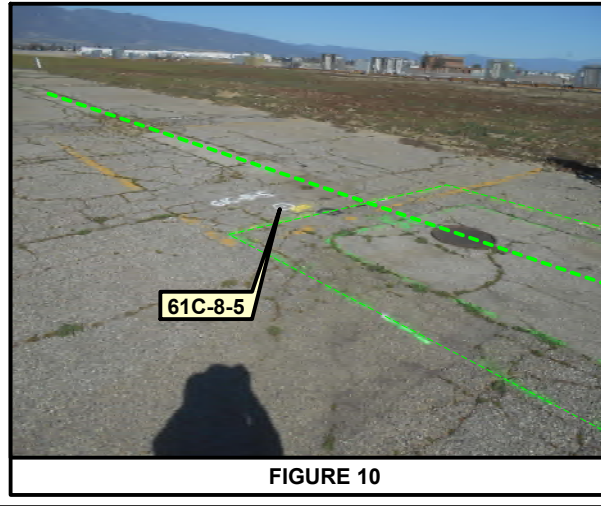


FIGURE 10

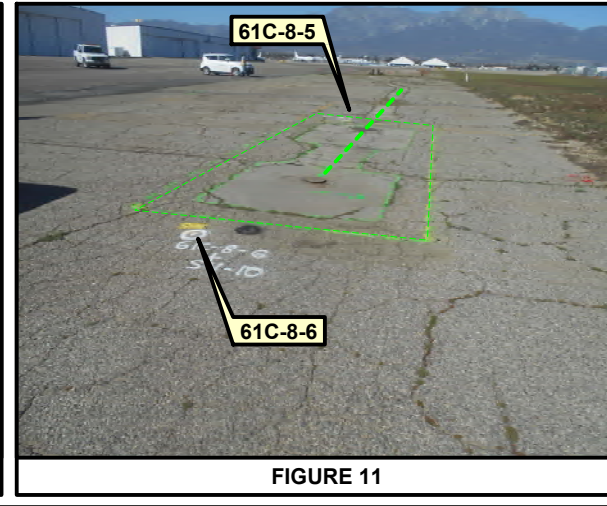


FIGURE 11

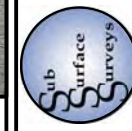
SURVEY DATE:  
February 8th-16th, 2022

SSS PROJECT NO:  
22-050

TITLE:  
Site Photographs

PREPARED FOR:  
GSI Environmental

SITE:  
Ontario International Airport  
2500 E Airport Dr  
Ontario, California



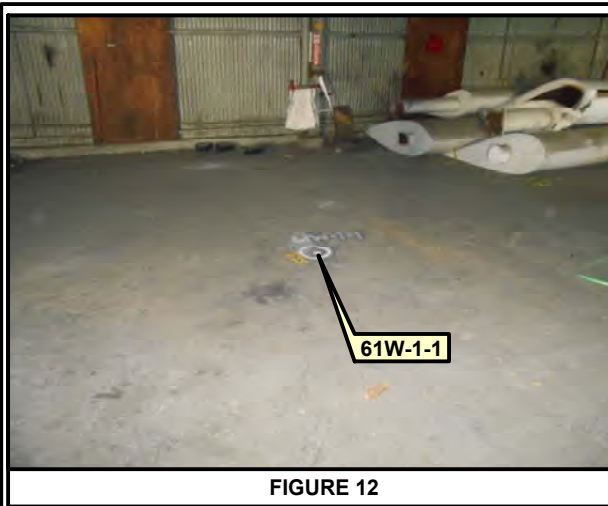


FIGURE 12

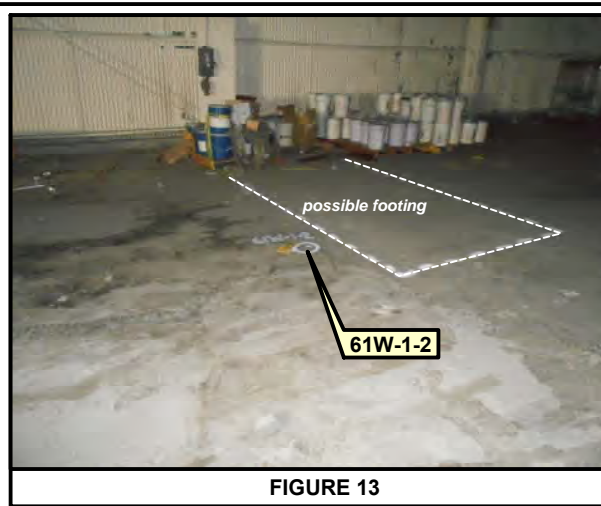


FIGURE 13

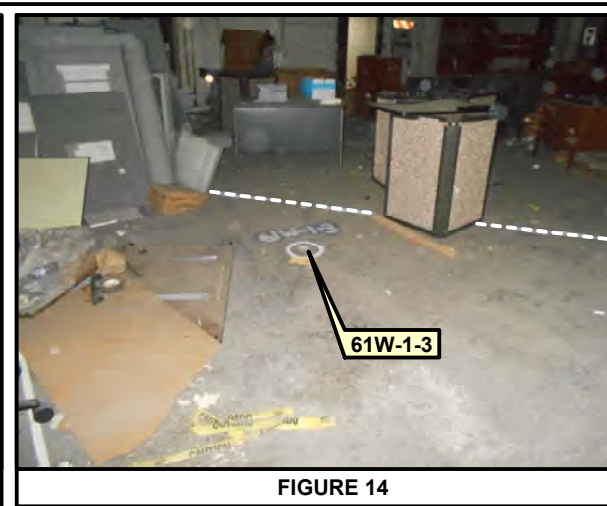


FIGURE 14

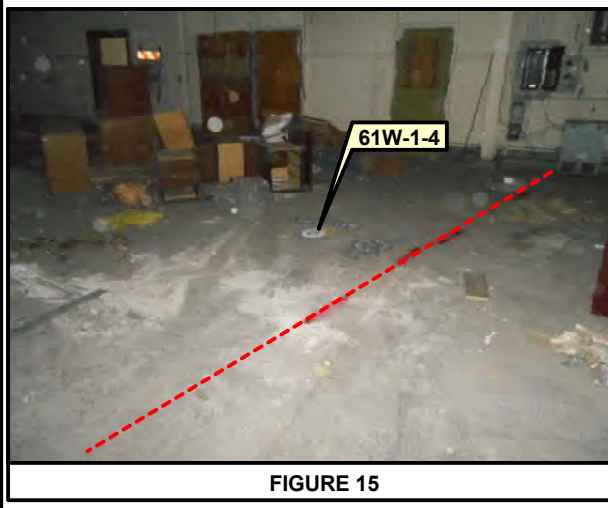


FIGURE 15

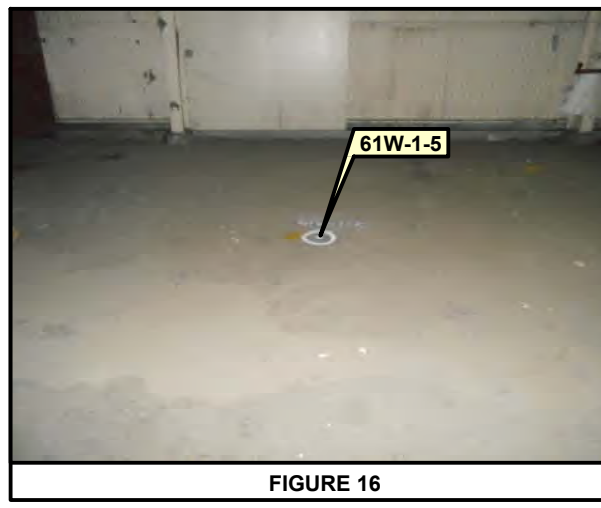


FIGURE 16

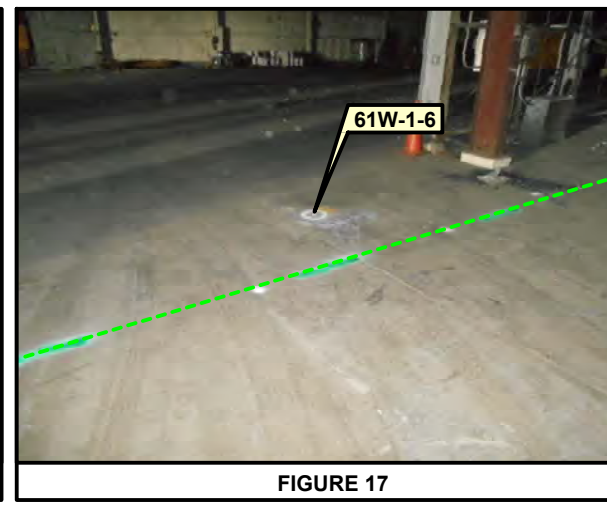


FIGURE 17

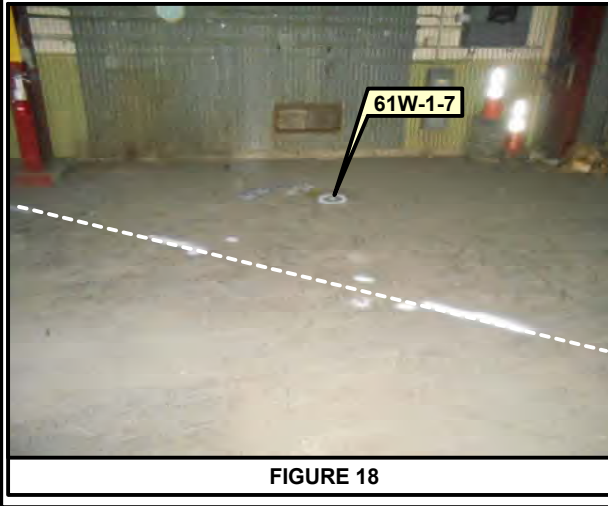


FIGURE 18

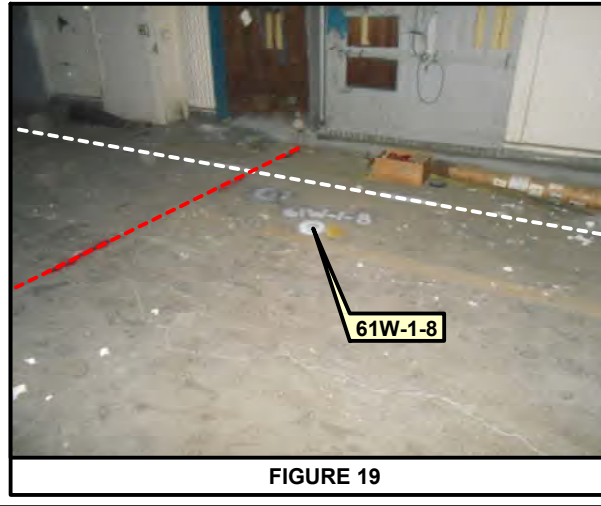


FIGURE 19

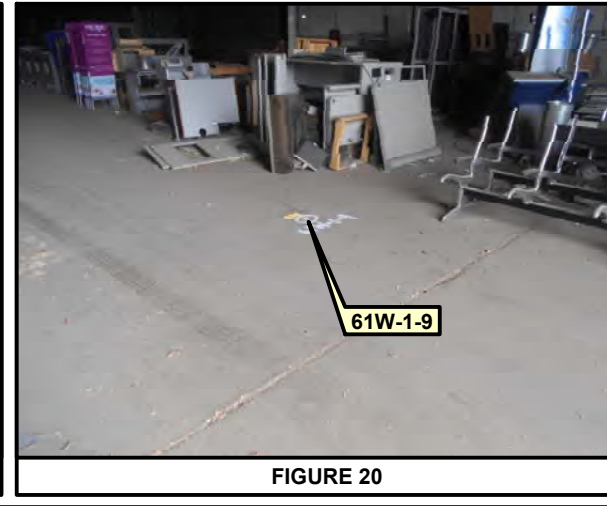


FIGURE 20

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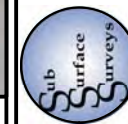




FIGURE 21



FIGURE 22

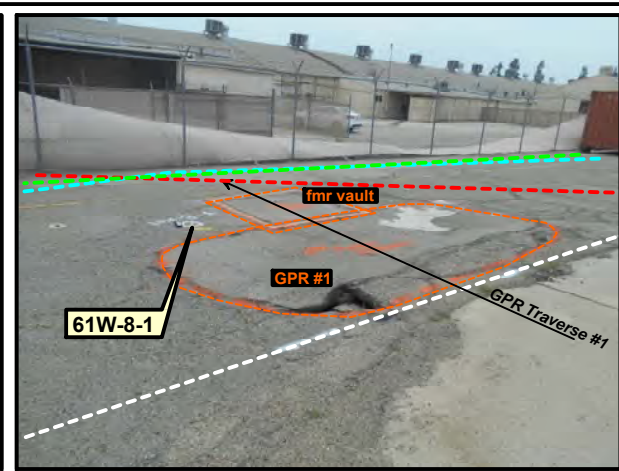


FIGURE 23



FIGURE 24

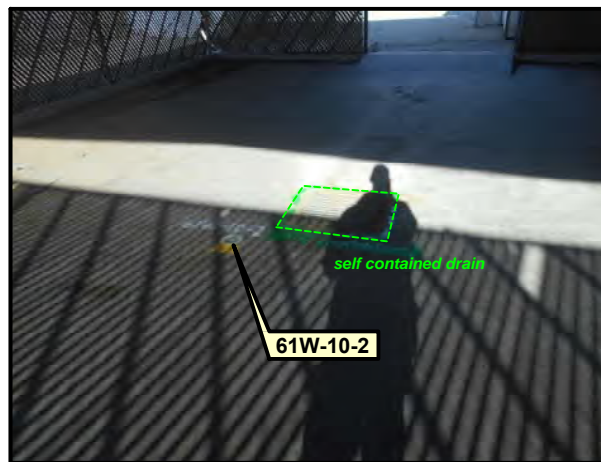


FIGURE 25

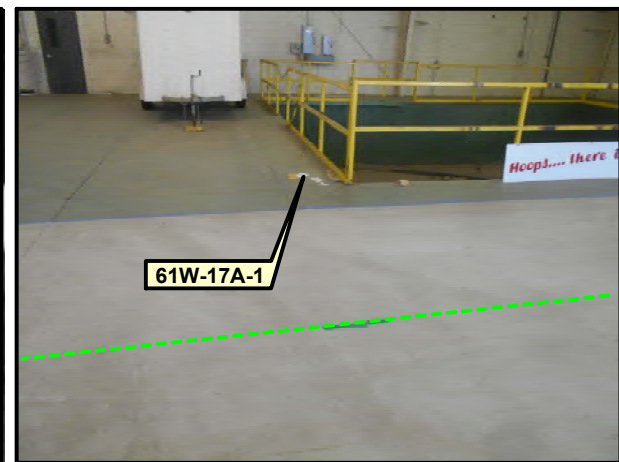


FIGURE 26

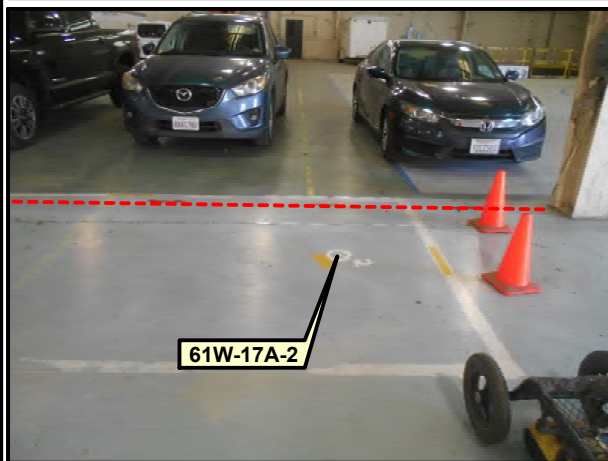


FIGURE 27

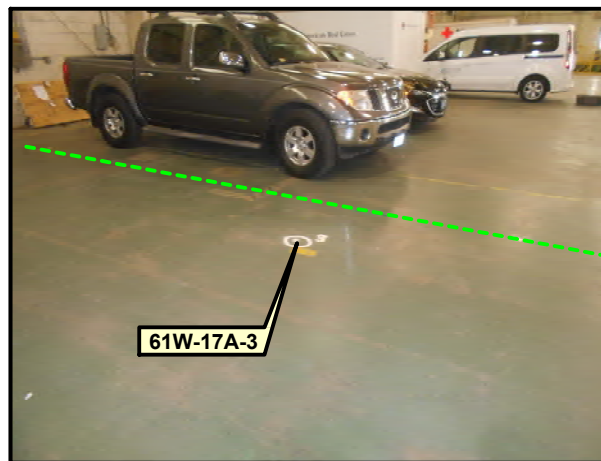


FIGURE 28

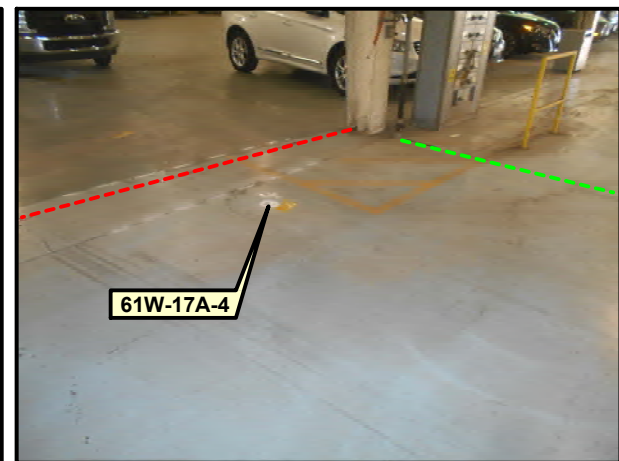


FIGURE 29

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FIGURE 30

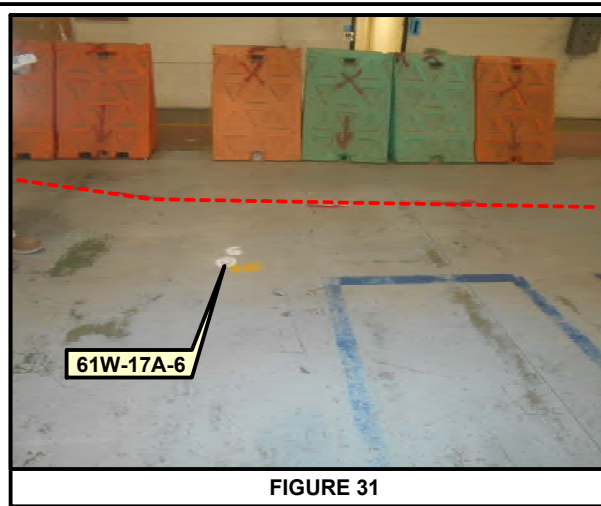


FIGURE 31

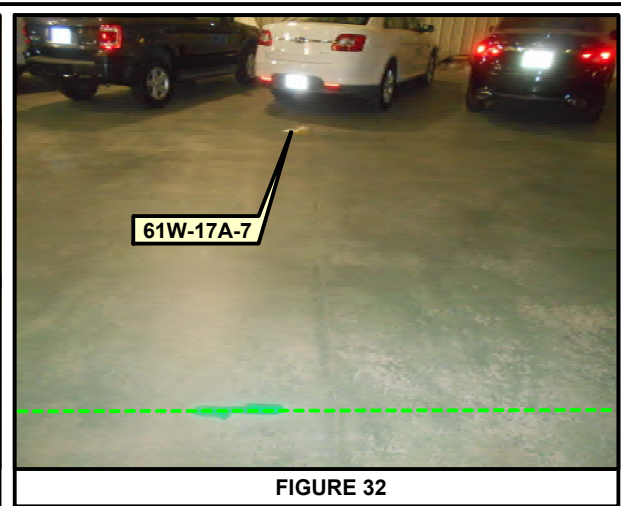


FIGURE 32

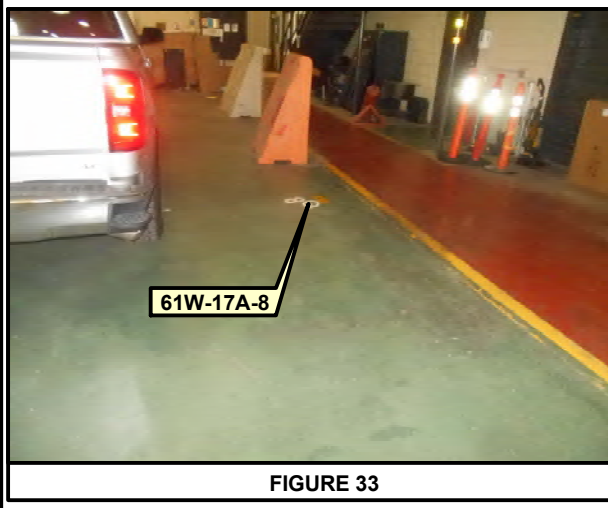


FIGURE 33

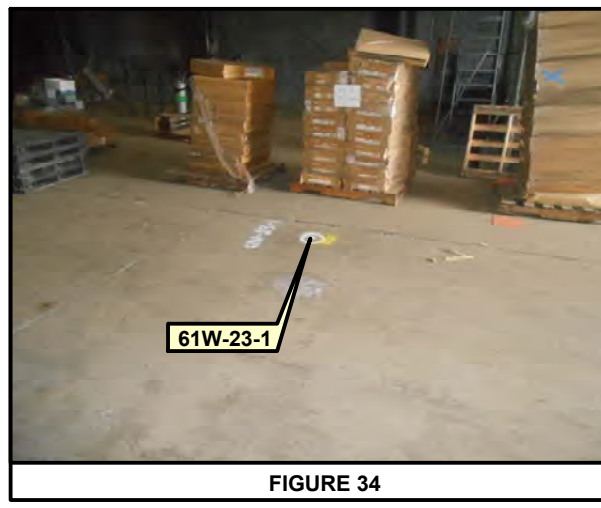


FIGURE 34



FIGURE 35

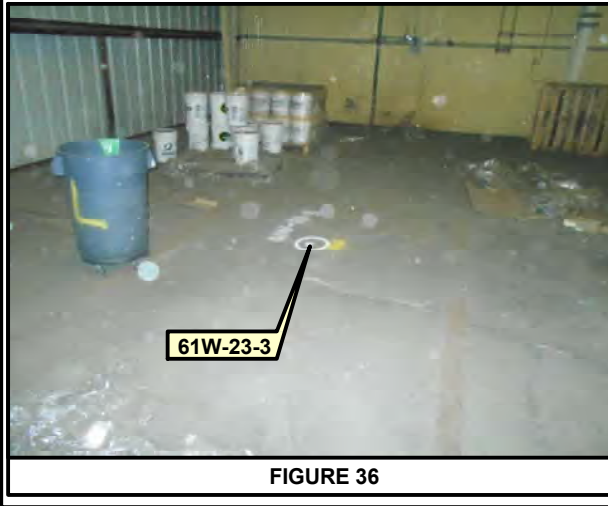


FIGURE 36

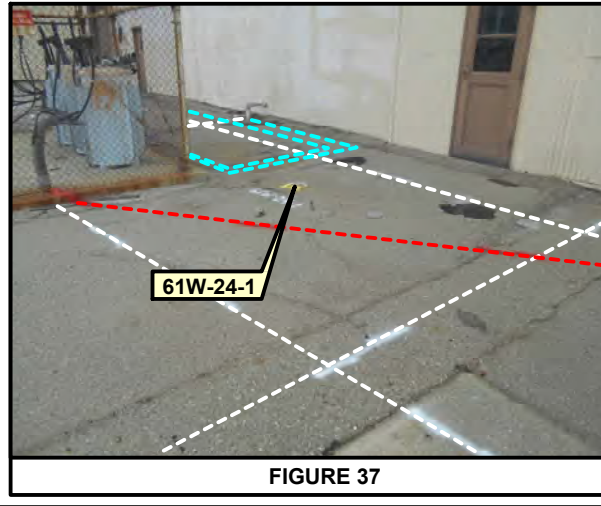


FIGURE 37

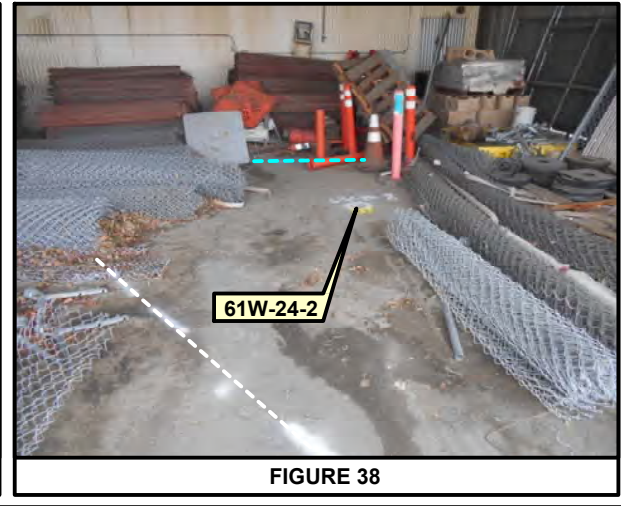
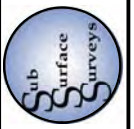


FIGURE 38

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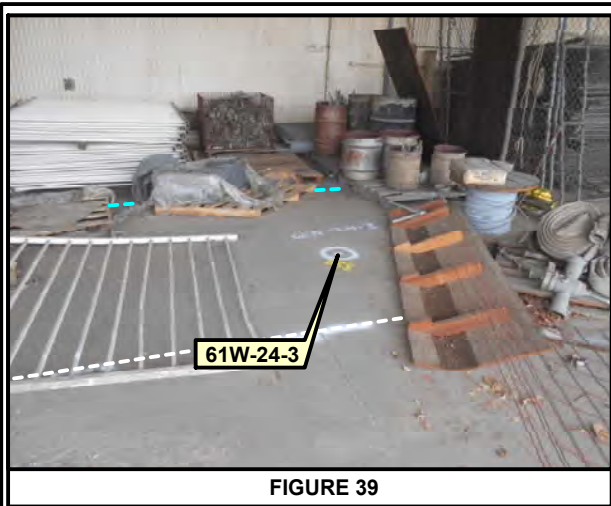


FIGURE 39

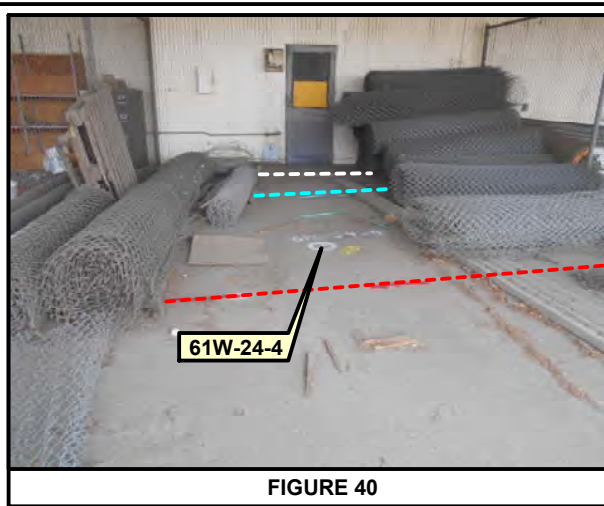


FIGURE 40

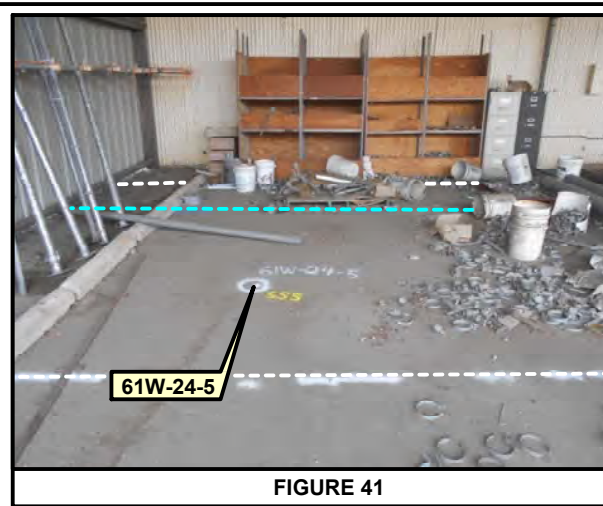


FIGURE 41

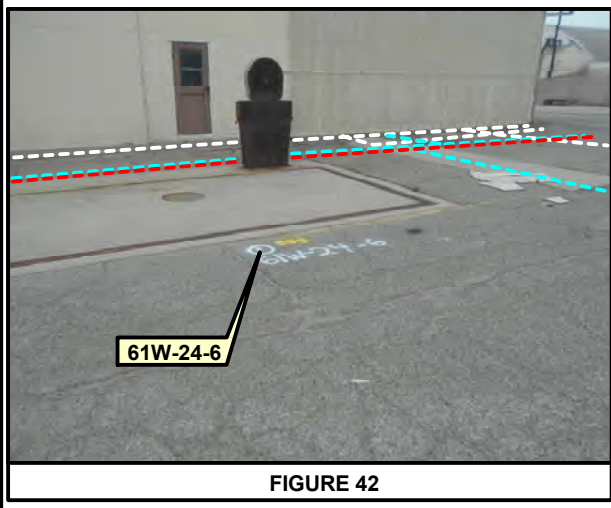


FIGURE 42

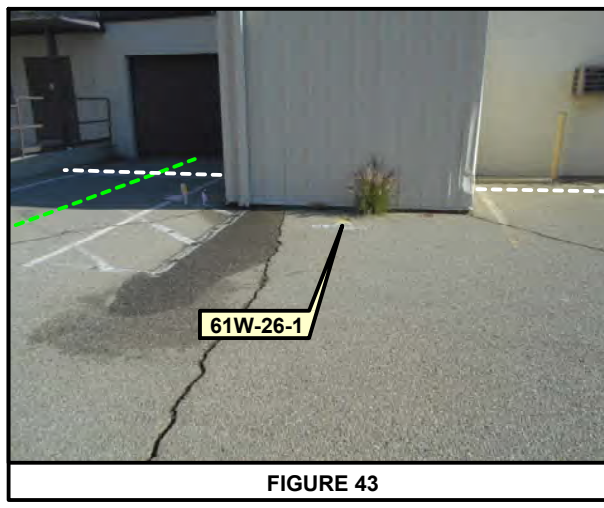


FIGURE 43

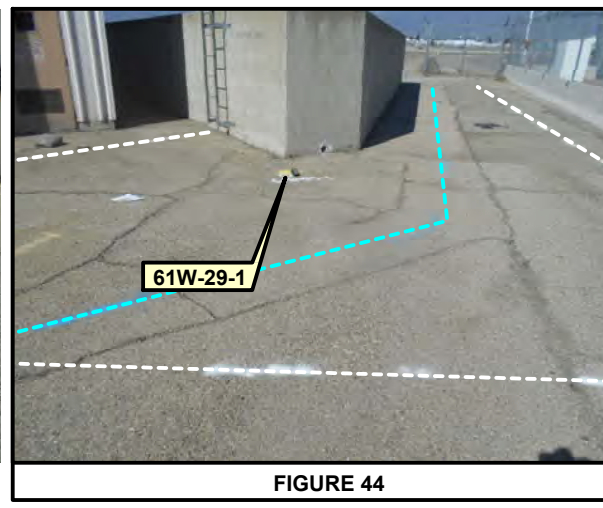


FIGURE 44

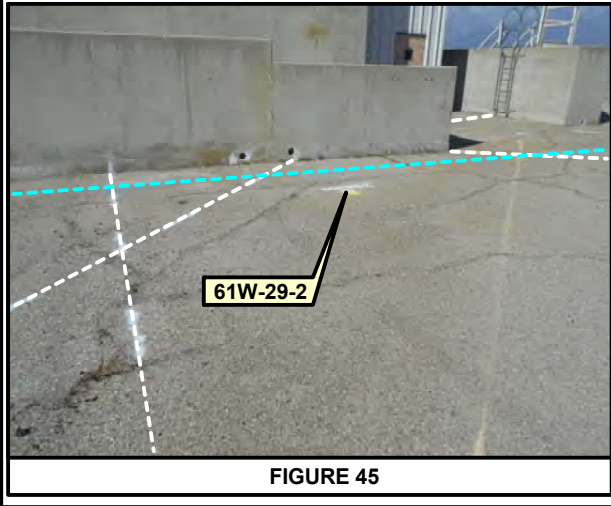


FIGURE 45

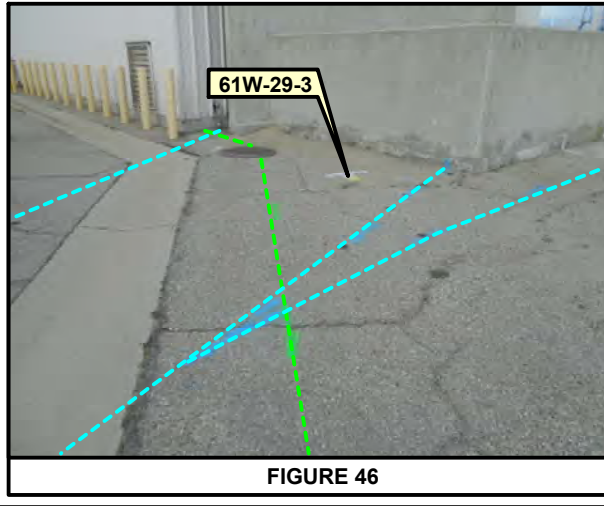


FIGURE 46

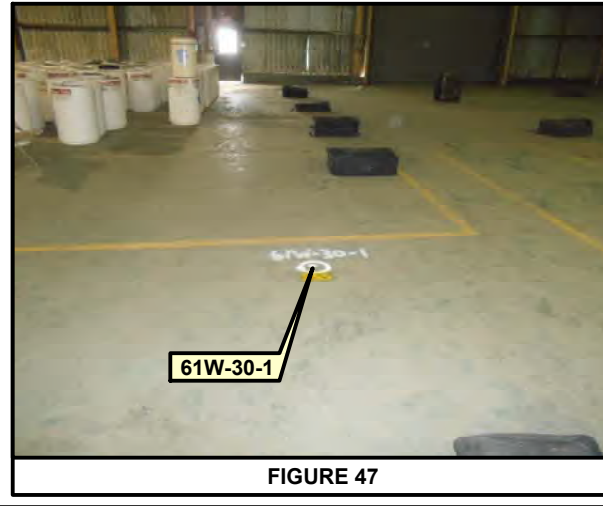


FIGURE 47

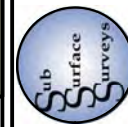
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Ontario, California



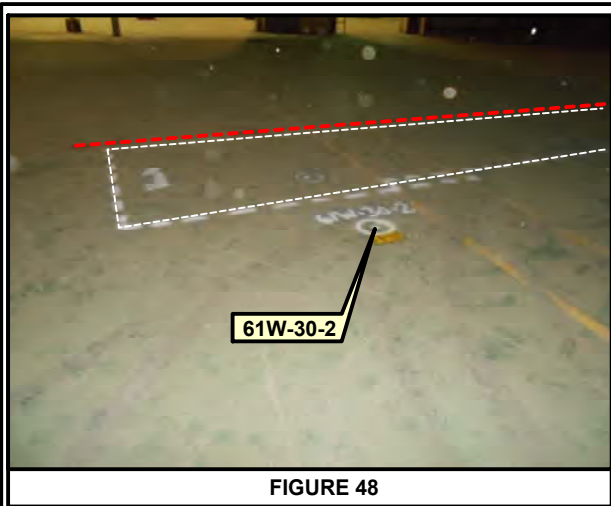


FIGURE 48

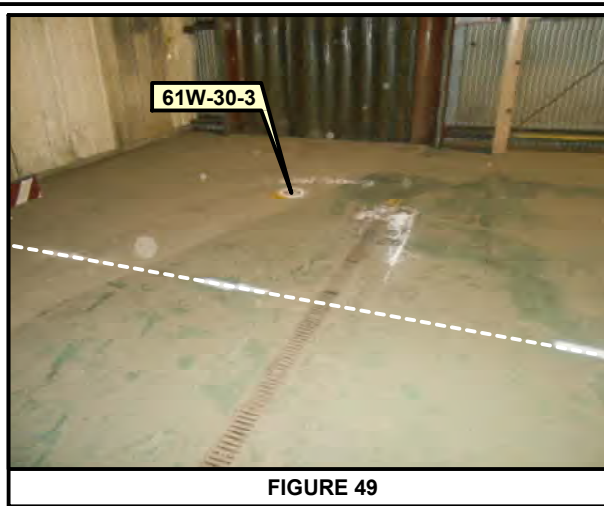


FIGURE 49

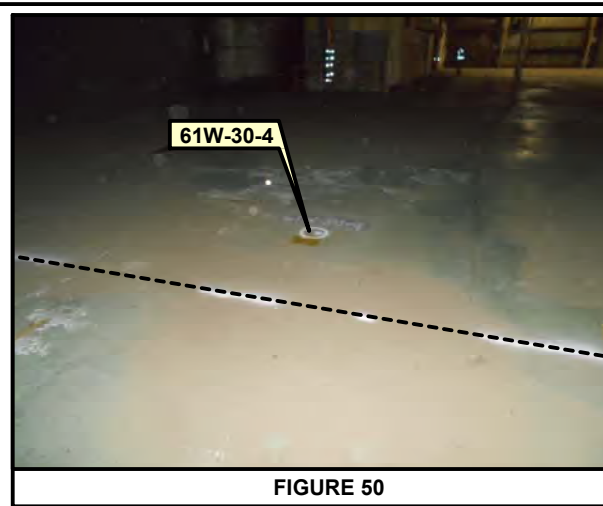


FIGURE 50

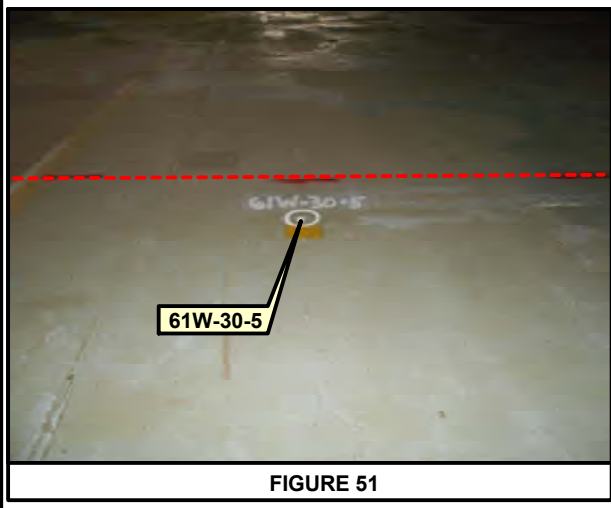


FIGURE 51

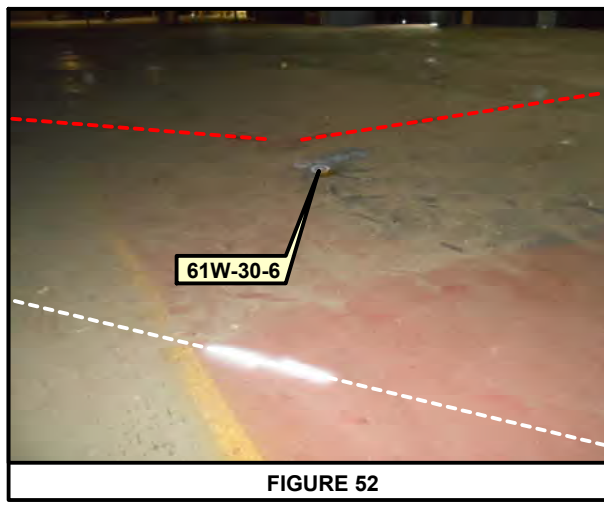


FIGURE 52

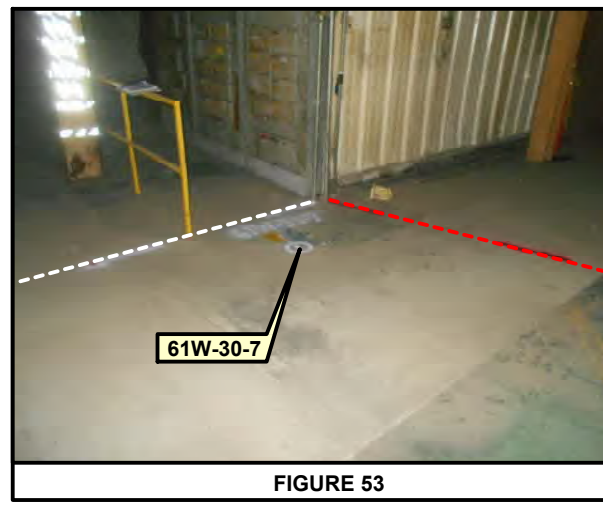


FIGURE 53

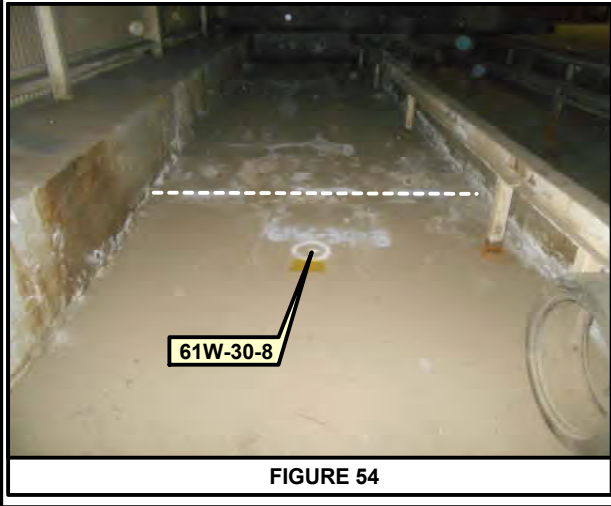


FIGURE 54

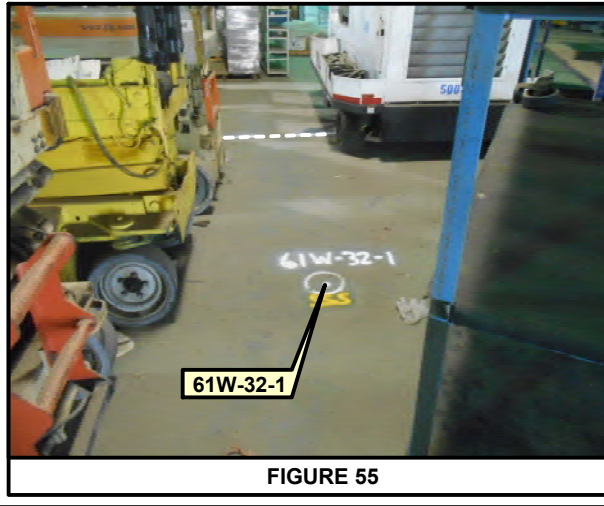


FIGURE 55

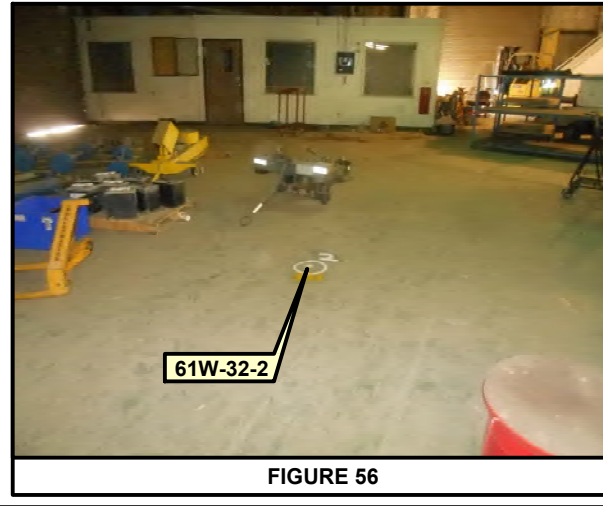


FIGURE 56

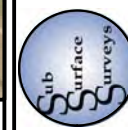
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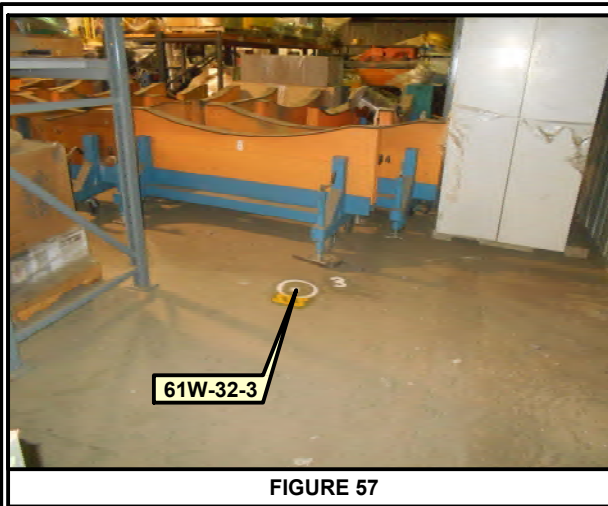


FIGURE 57

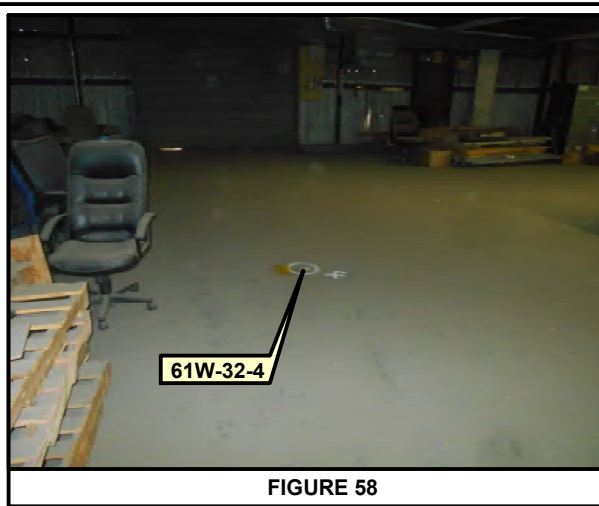


FIGURE 58



FIGURE 59

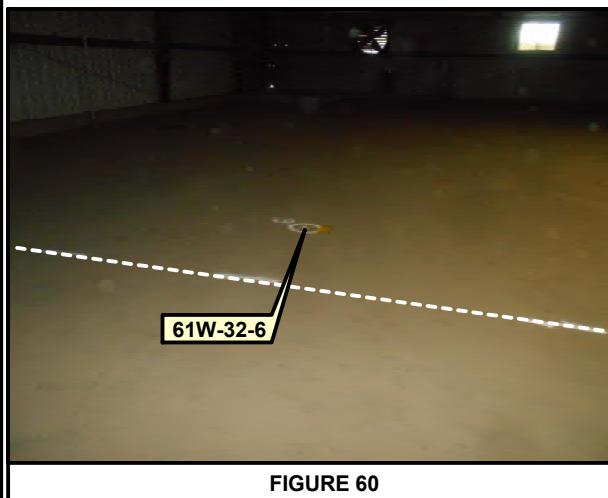


FIGURE 60

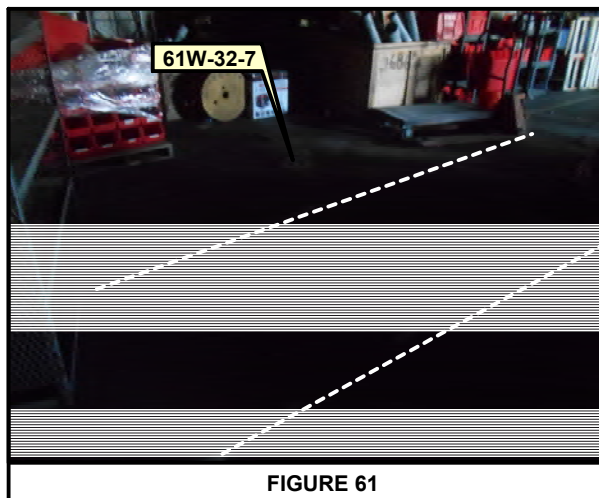


FIGURE 61

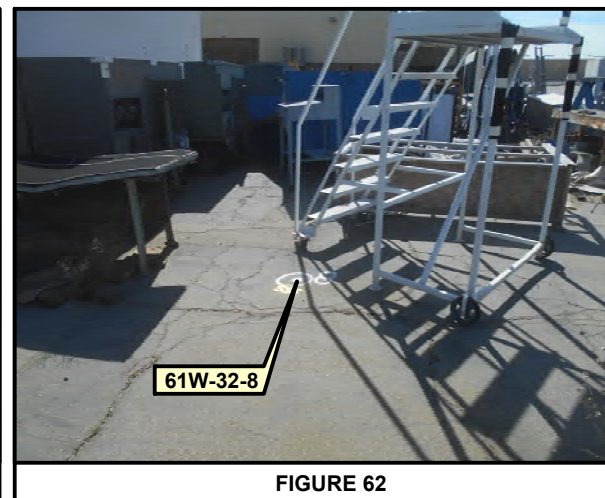


FIGURE 62

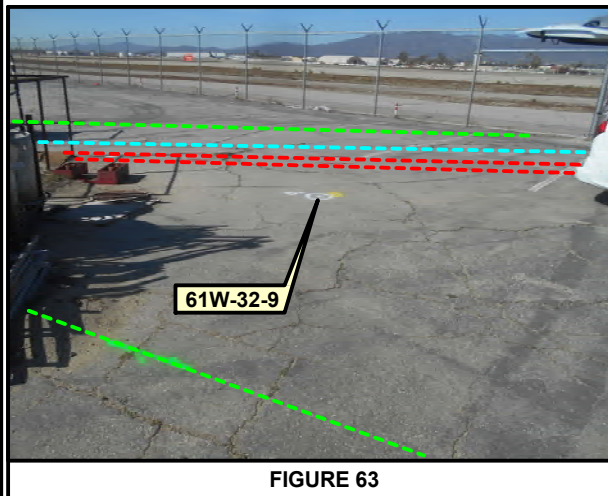


FIGURE 63

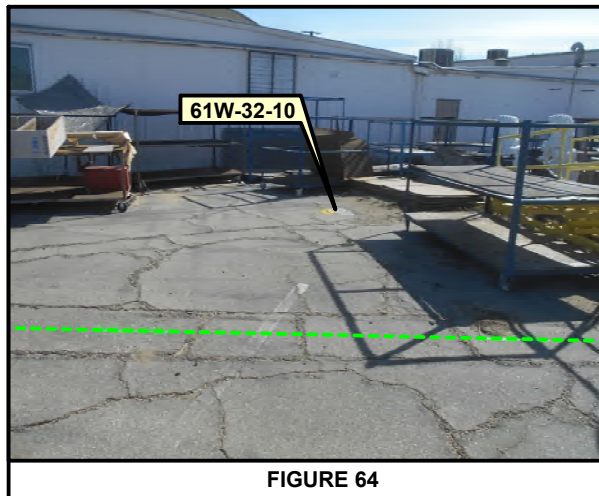


FIGURE 64

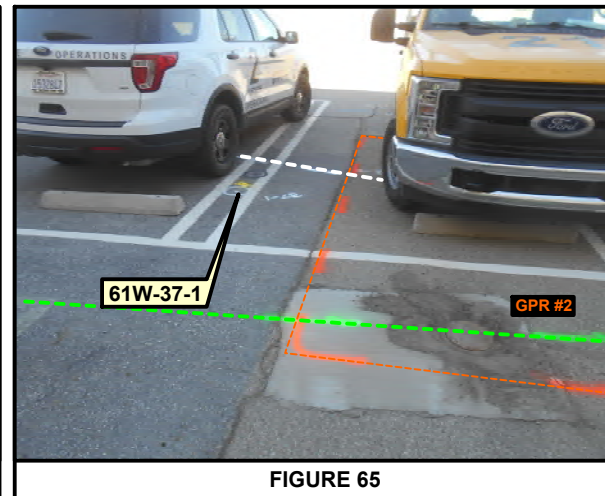


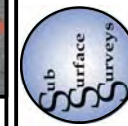
FIGURE 65

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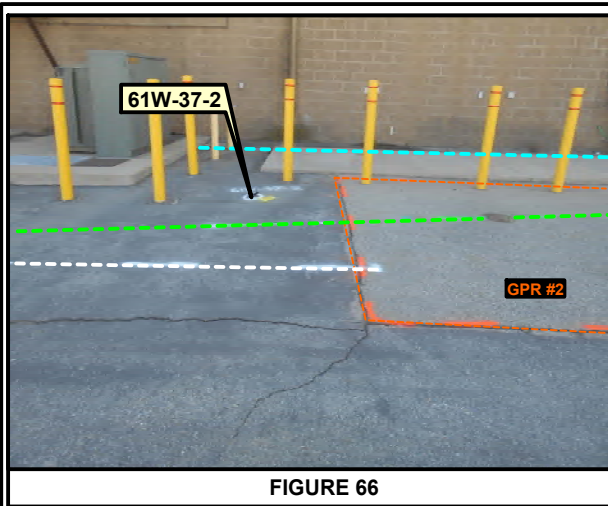


FIGURE 66

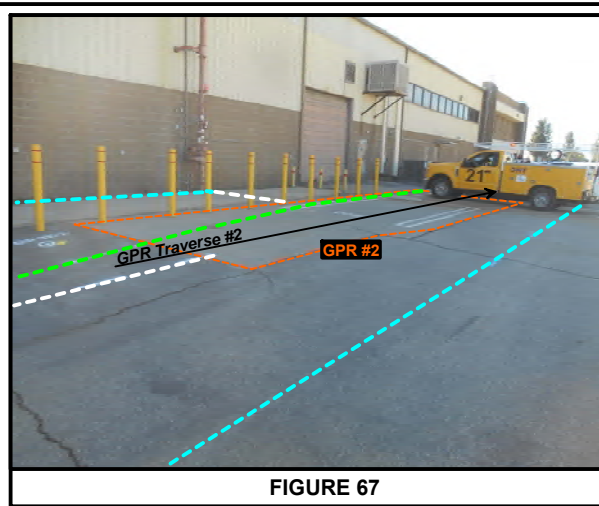


FIGURE 67

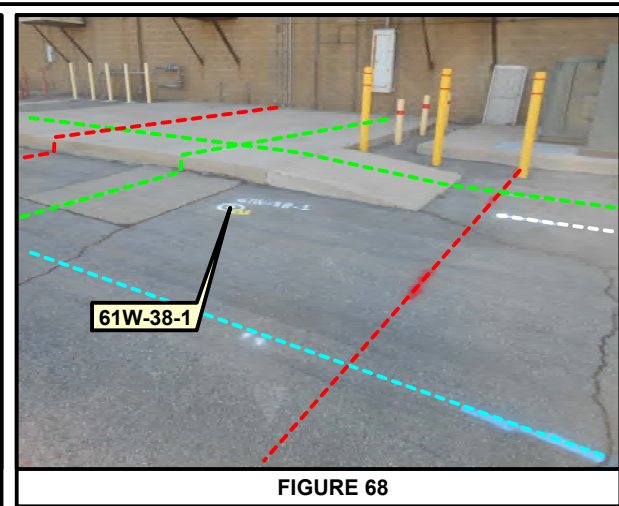


FIGURE 68

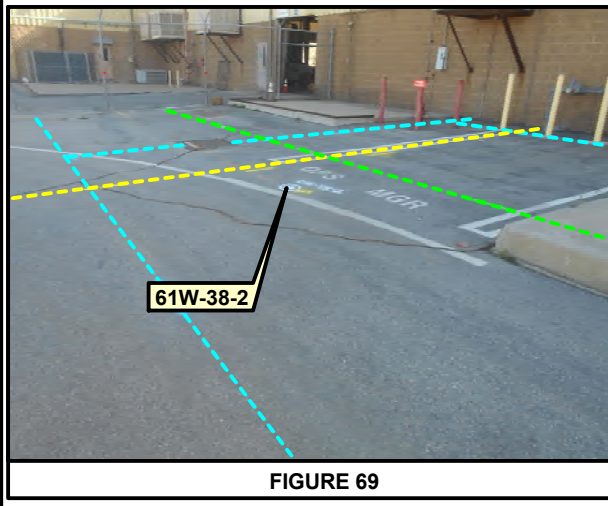


FIGURE 69

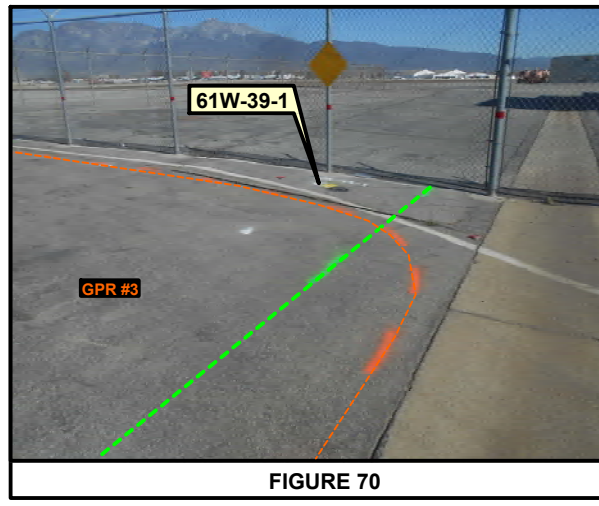


FIGURE 70

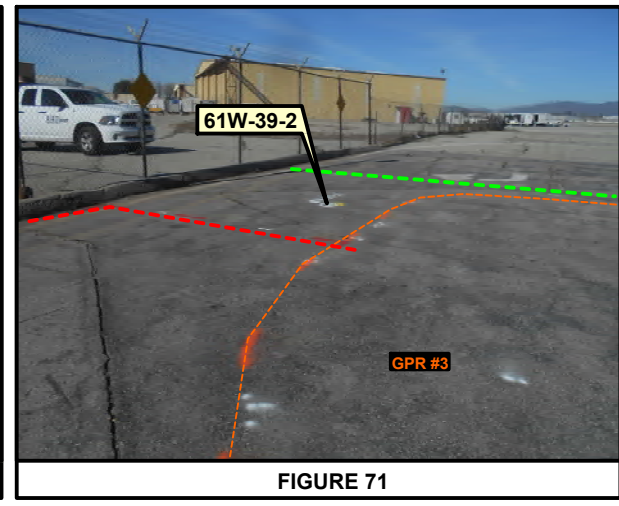


FIGURE 71

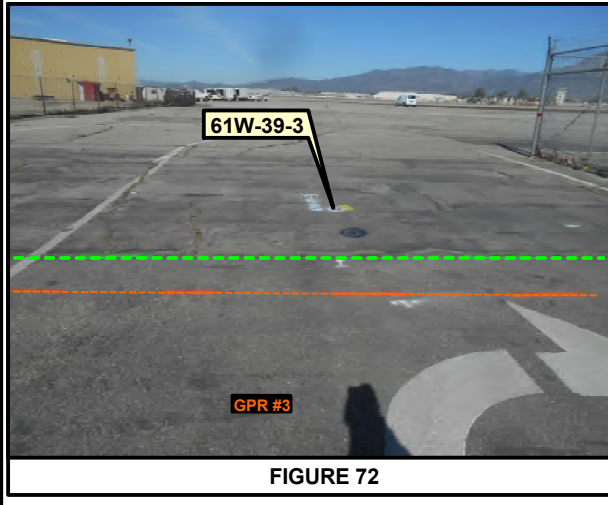


FIGURE 72

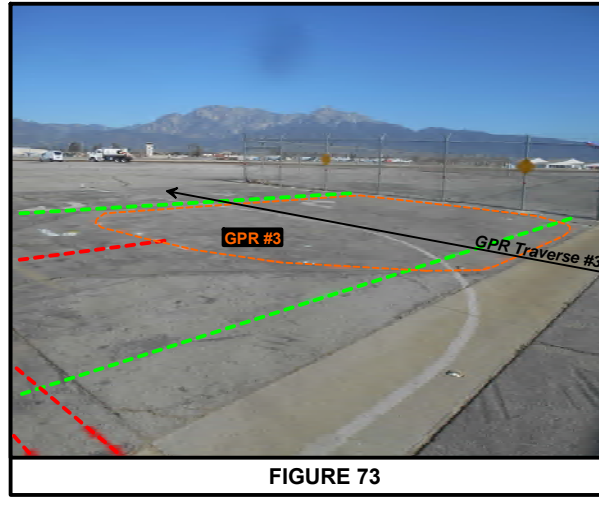


FIGURE 73

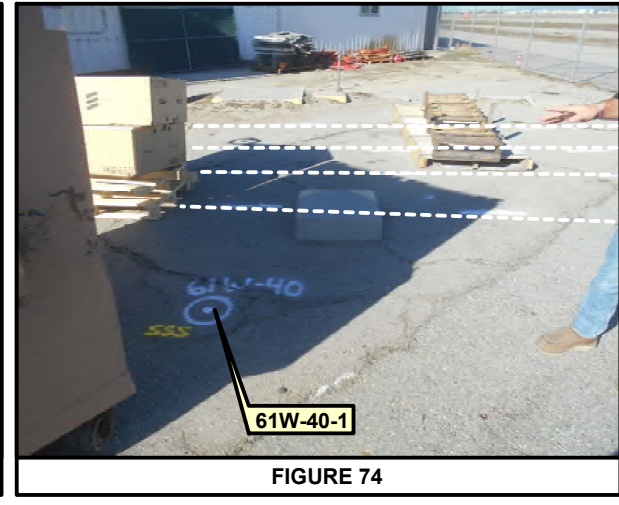


FIGURE 74

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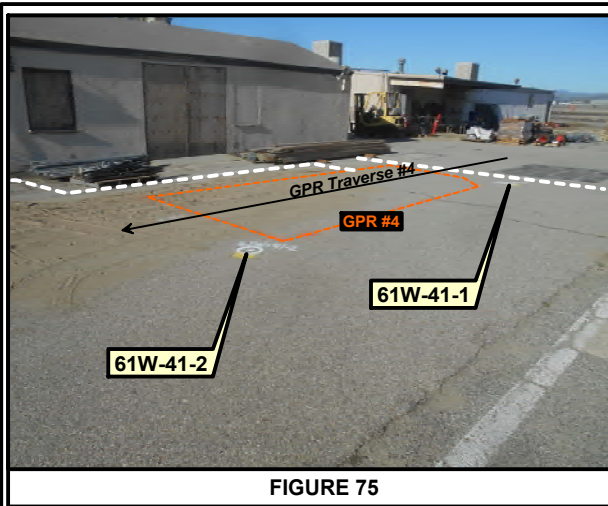


FIGURE 75

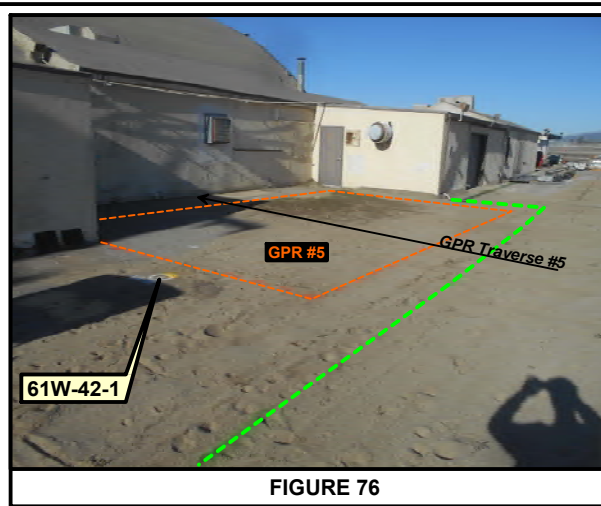


FIGURE 76

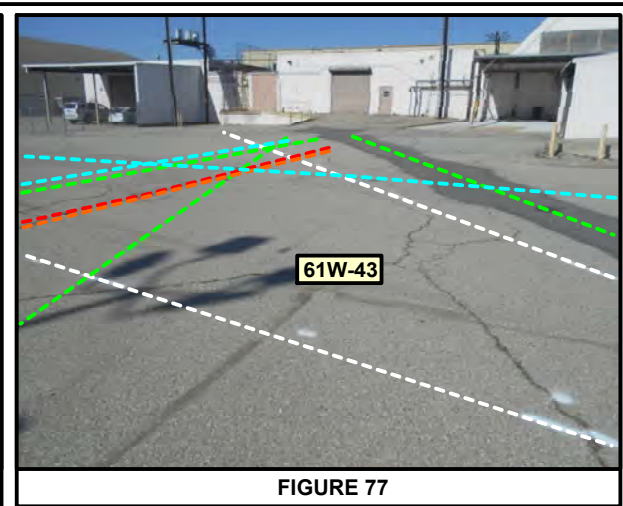


FIGURE 77

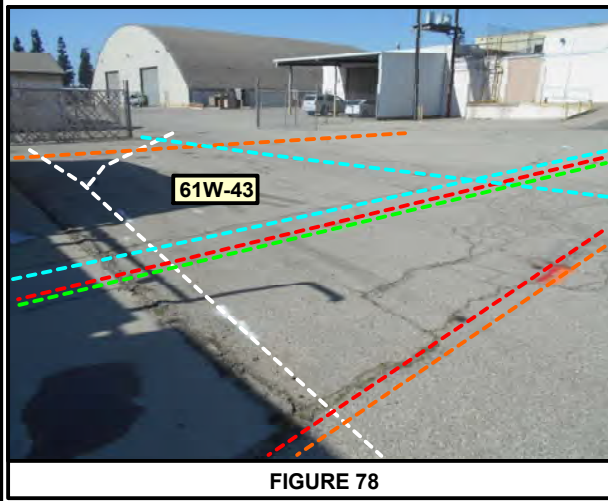


FIGURE 78

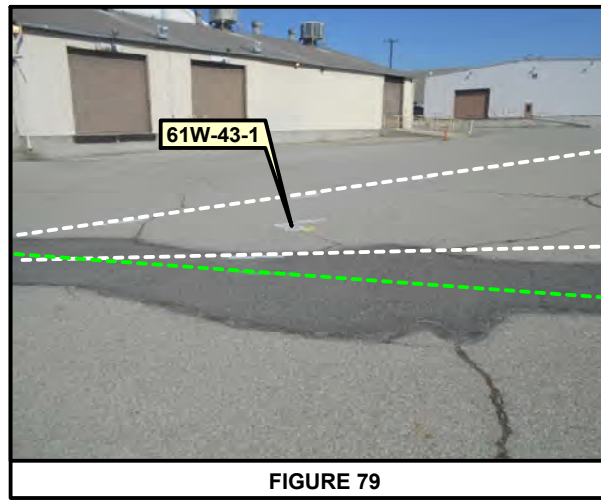


FIGURE 79

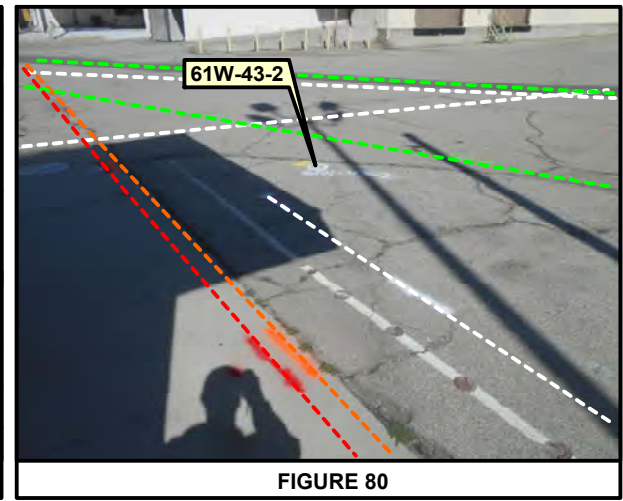


FIGURE 80

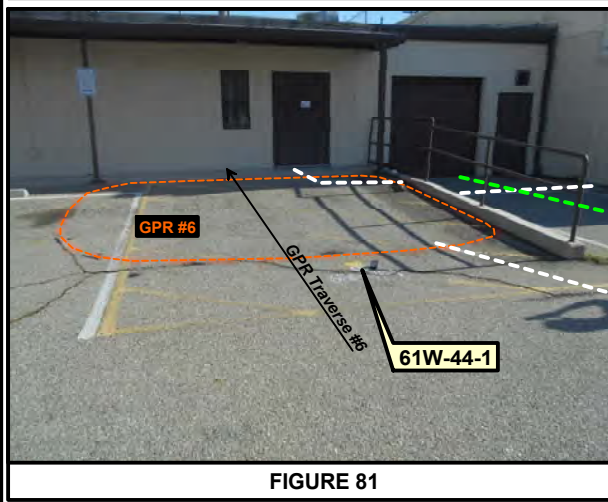


FIGURE 81

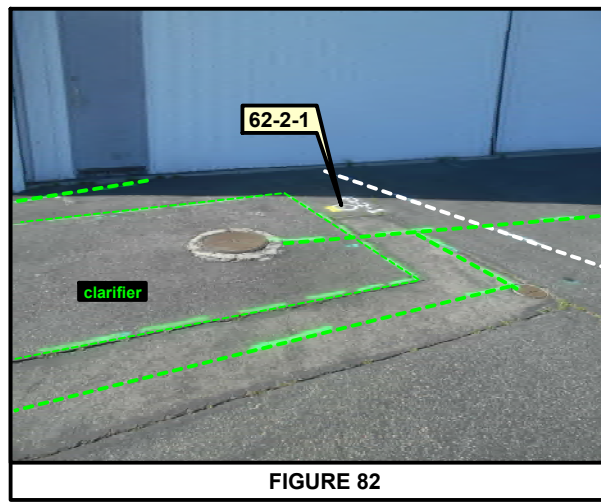


FIGURE 82

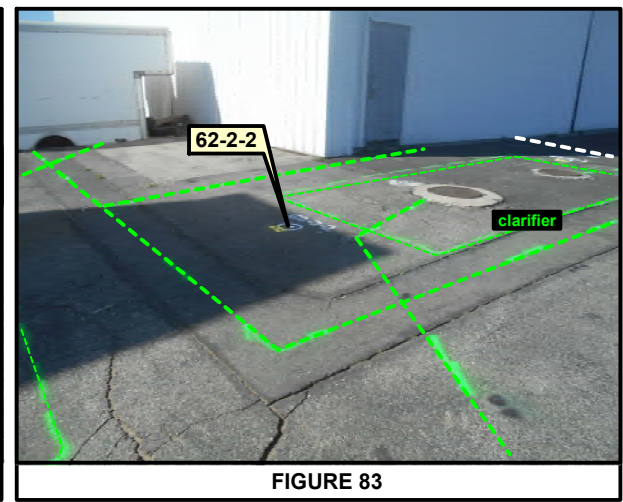


FIGURE 83

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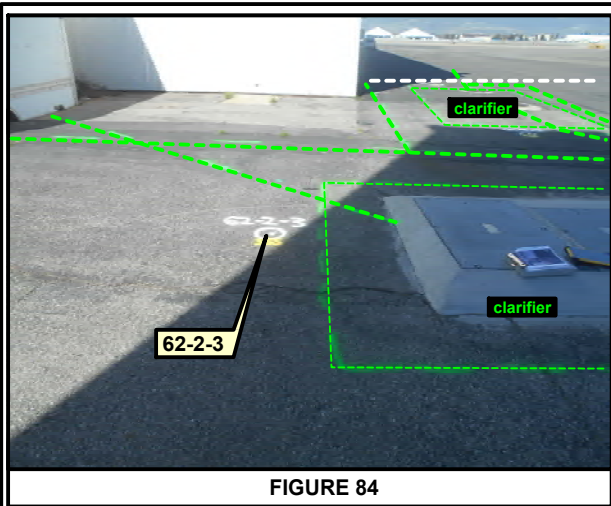


FIGURE 84

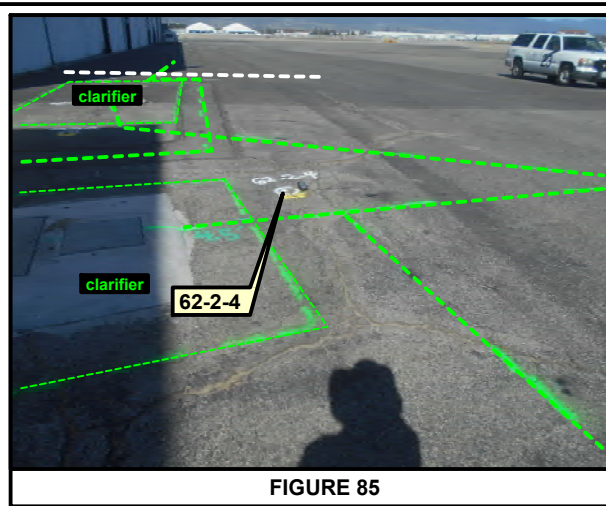


FIGURE 85

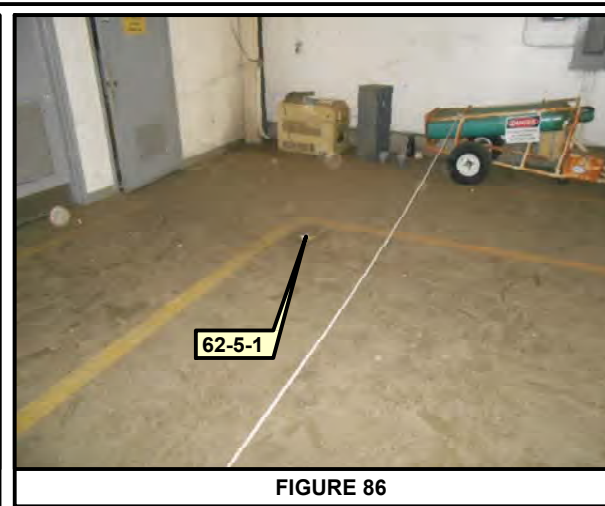


FIGURE 86

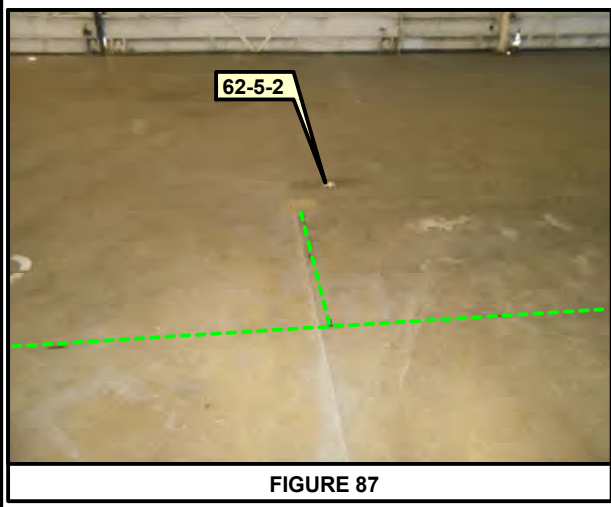


FIGURE 87

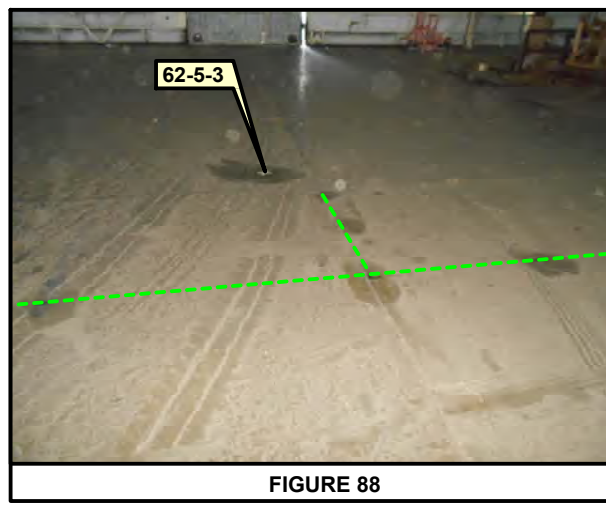


FIGURE 88

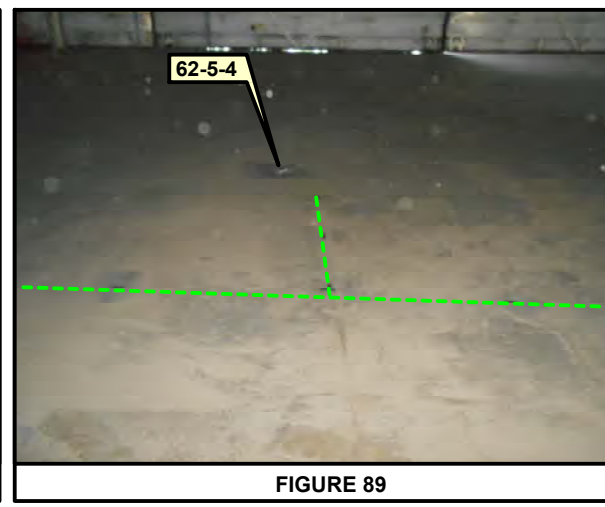


FIGURE 89

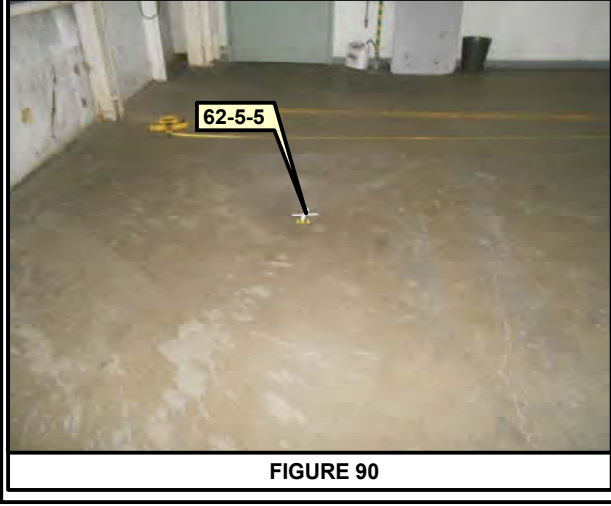


FIGURE 90

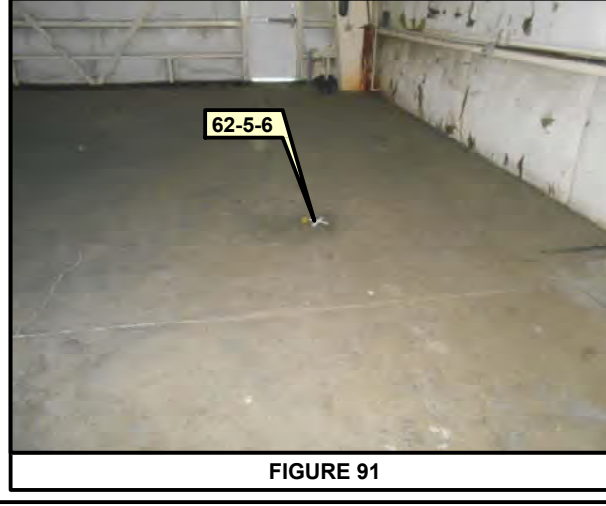


FIGURE 91

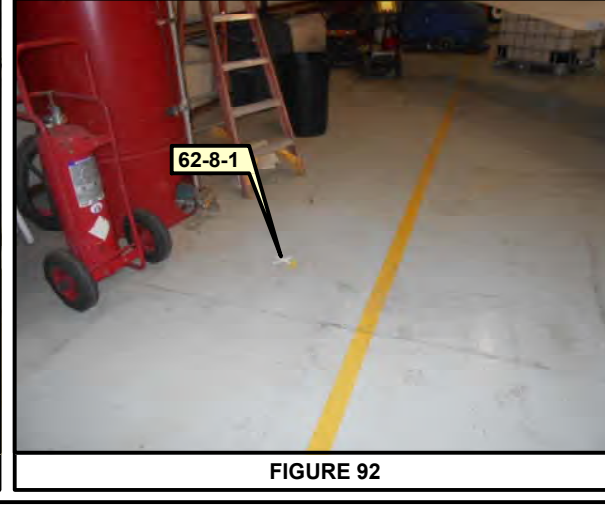
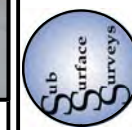


FIGURE 92

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Ontario, California



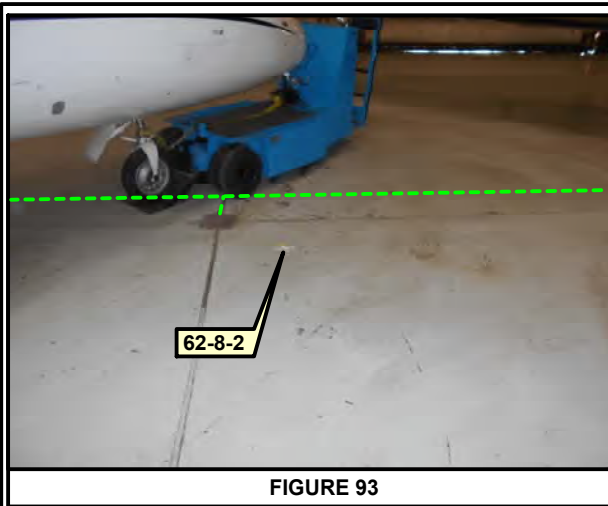


FIGURE 93

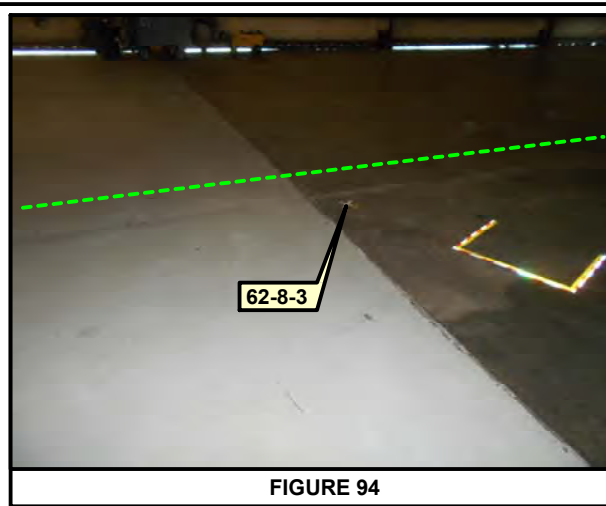


FIGURE 94

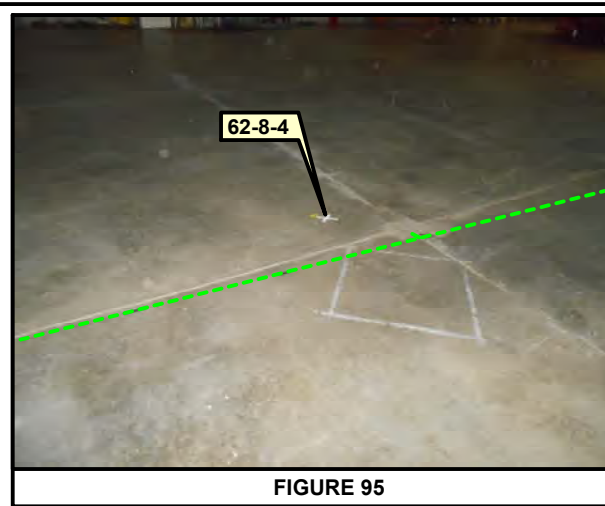


FIGURE 95

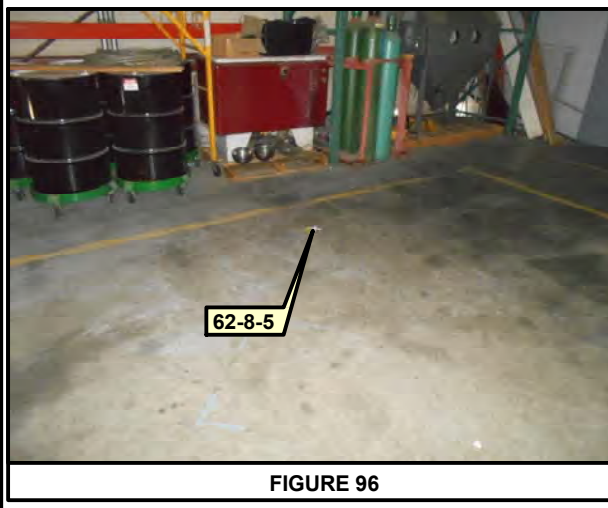


FIGURE 96

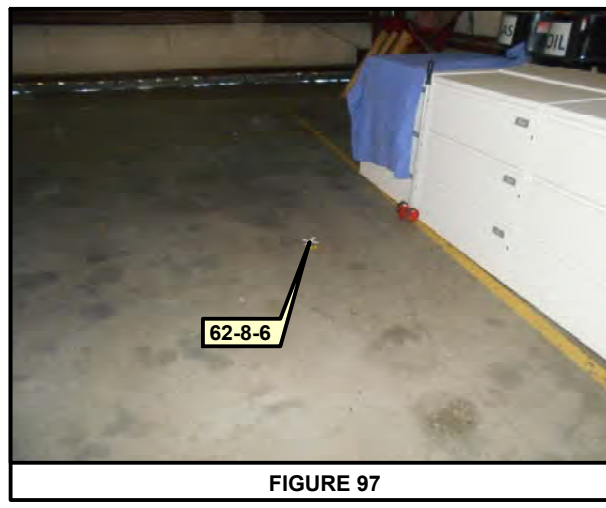


FIGURE 97

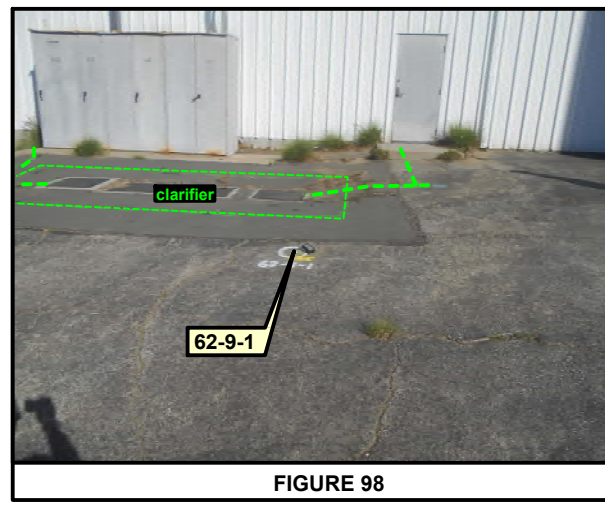


FIGURE 98

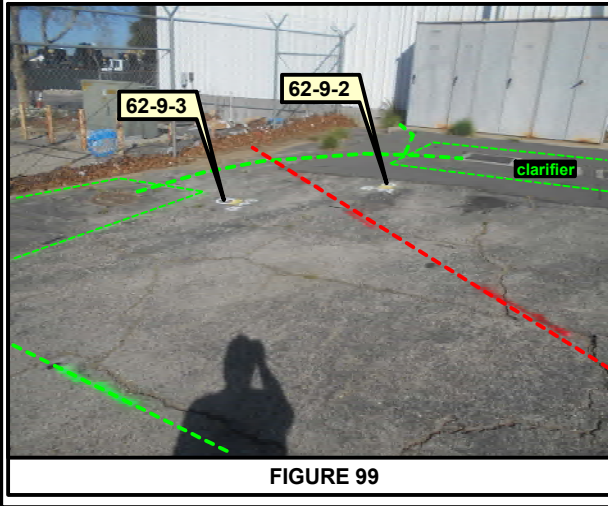


FIGURE 99

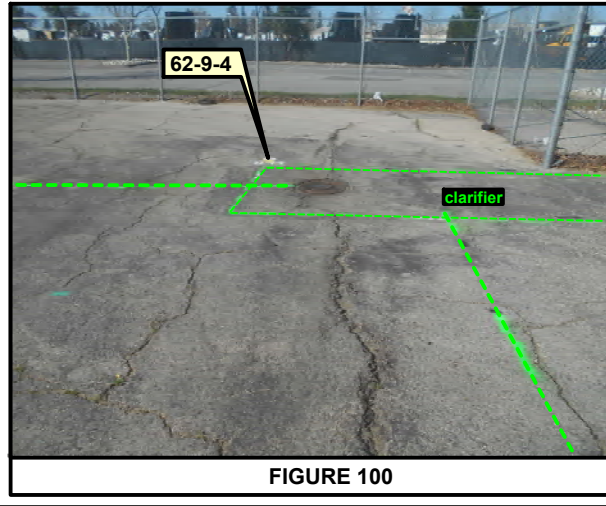


FIGURE 100

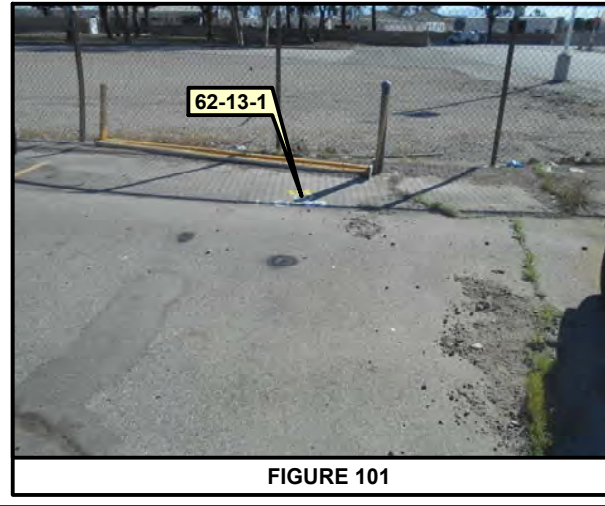


FIGURE 101

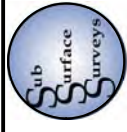
SURVEY DATE: February 8th-16th, 2022	TITLE: Site Photographs	SITE: Ontario International Airport 2500 E Airport Dr Ontario, California
SSS PROJECT NO: 22-050	PREPARED FOR: GSI Environmental	



FIGURE 102



FIGURE 103



FIGURE 104



FIGURE 105

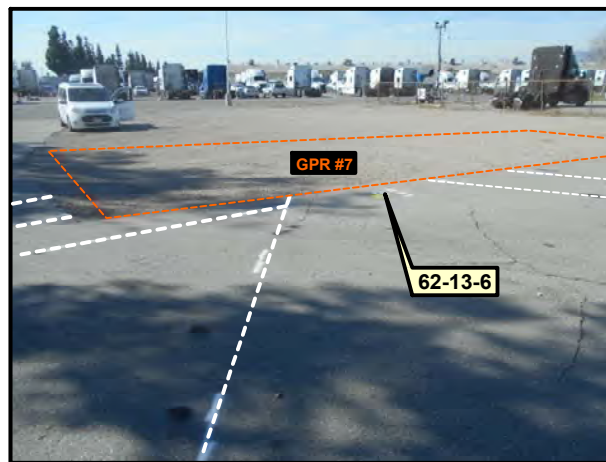


FIGURE 106

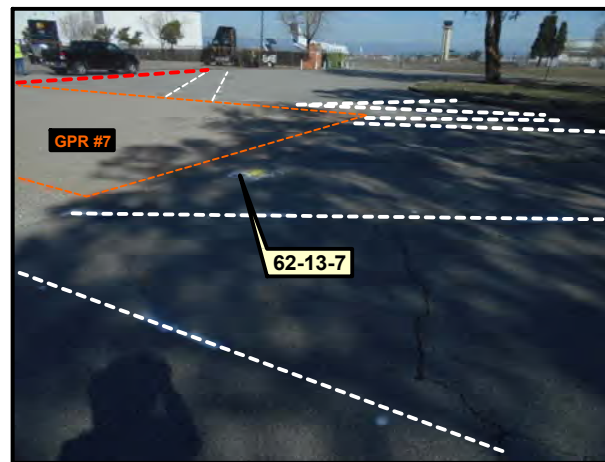


FIGURE 107



FIGURE 108

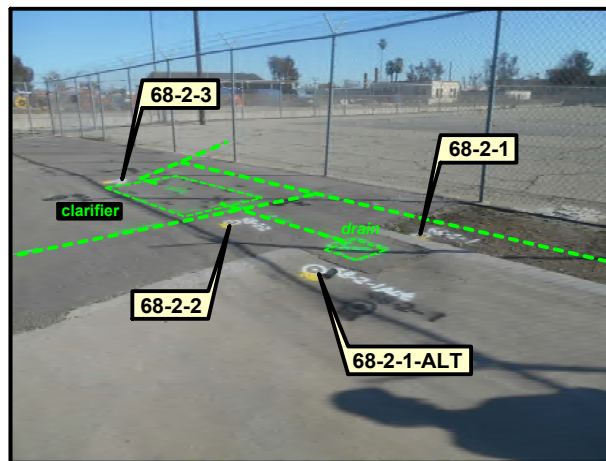


FIGURE 109

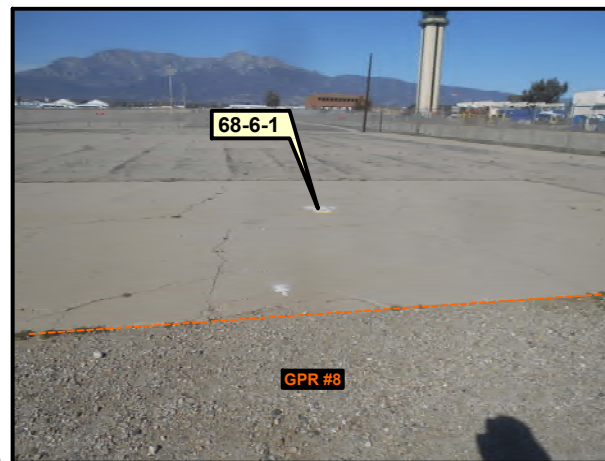


FIGURE 110

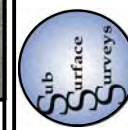
SURVEY DATE:  
February 8th-16th, 2022

SSS PROJECT NO:  
22-050

TITLE:  
Site Photographs

PREPARED FOR:  
GSI Environmental

SITE:  
Ontario International Airport  
2500 E Airport Dr  
Ontario, California



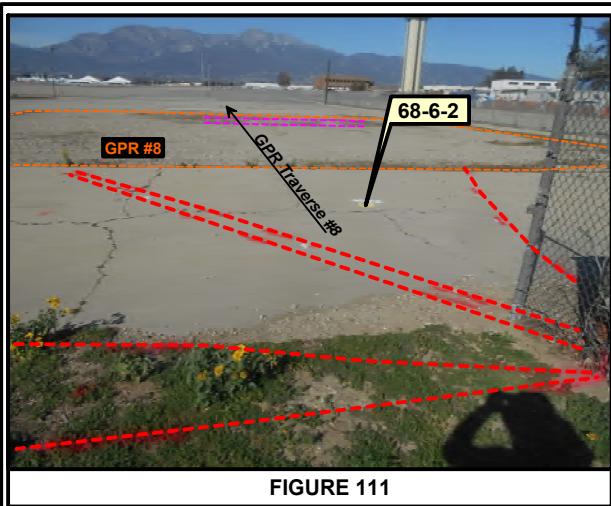


FIGURE 111

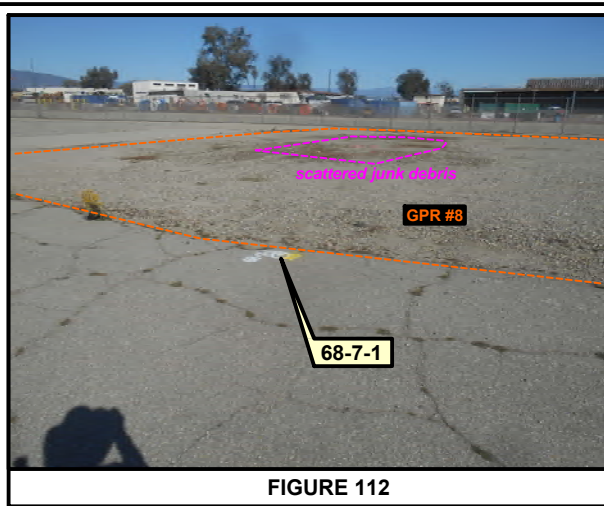


FIGURE 112

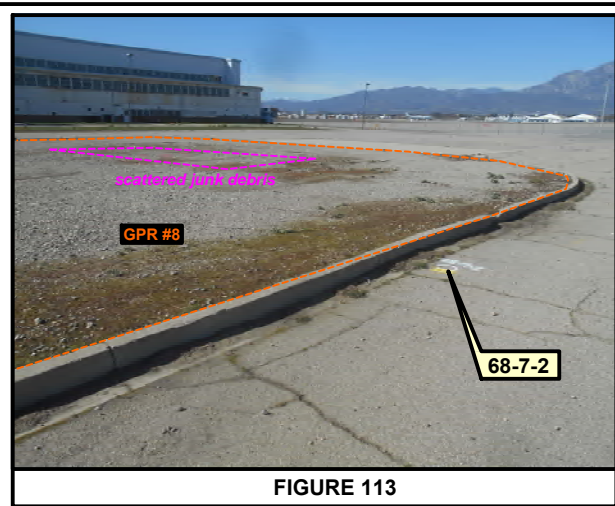


FIGURE 113

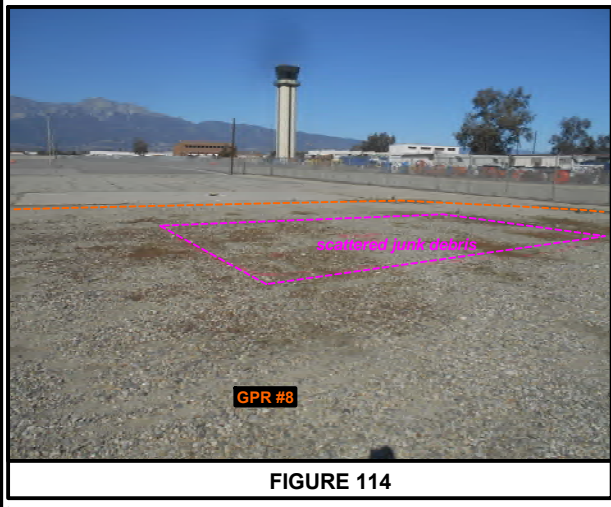


FIGURE 114

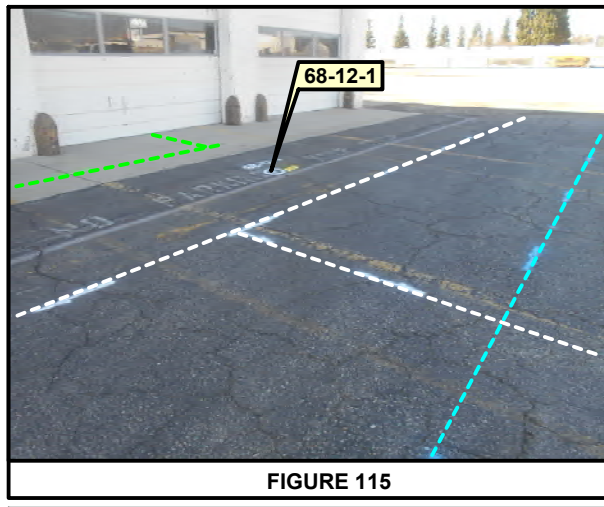


FIGURE 115

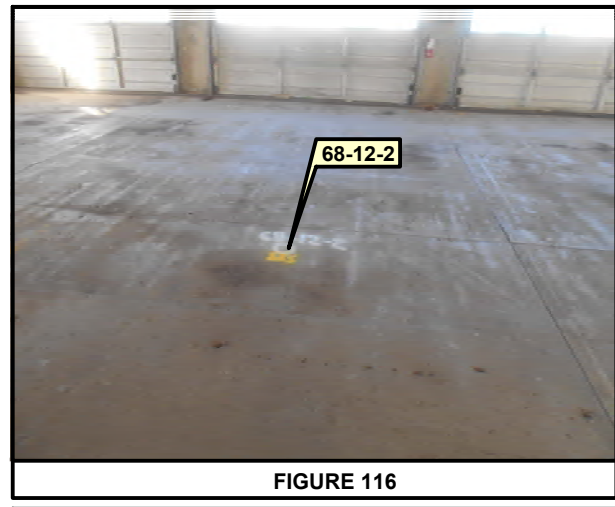


FIGURE 116

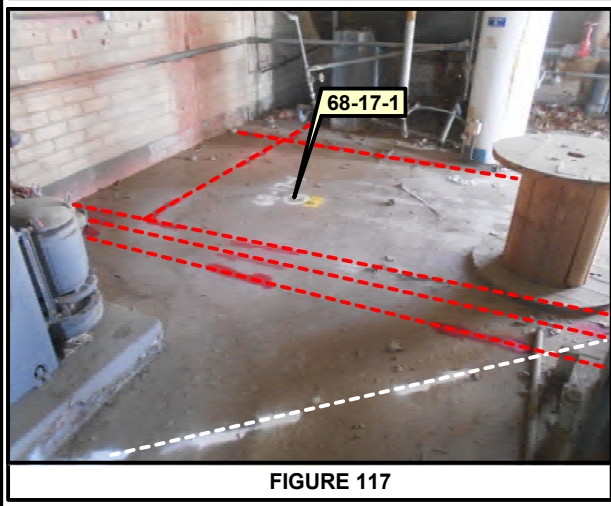


FIGURE 117

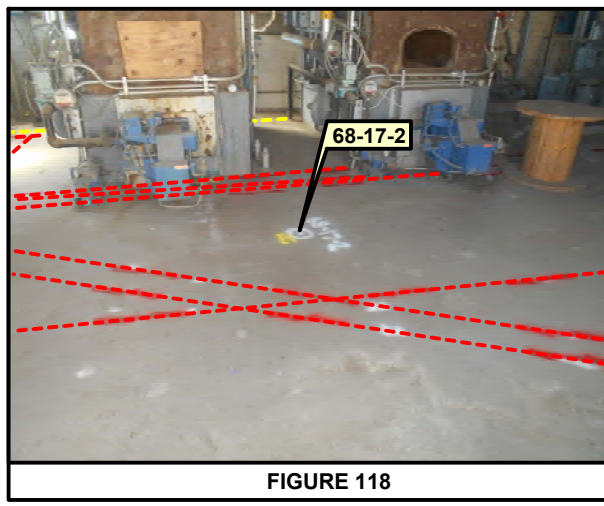


FIGURE 118

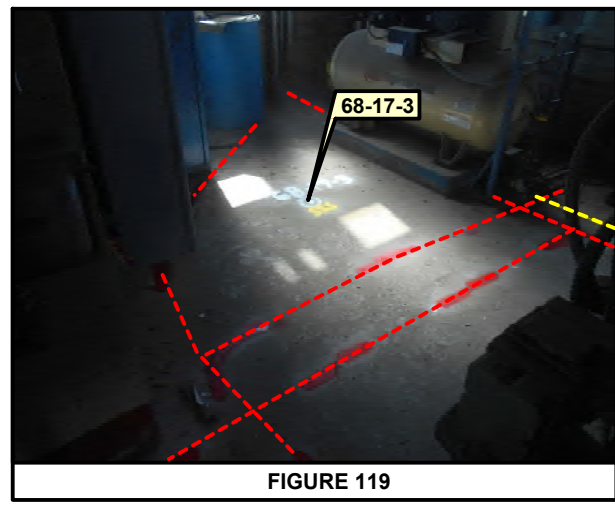
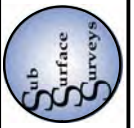


FIGURE 119

SURVEY DATE:  
February 8th-16th, 2022  
SSS PROJECT NO:  
22-050

TITLE:  
Site Photographs  
PREPARED FOR:  
GSI Environmental

SITE:  
Ontario International Airport  
2500 E Airport Dr  
Ontario, California



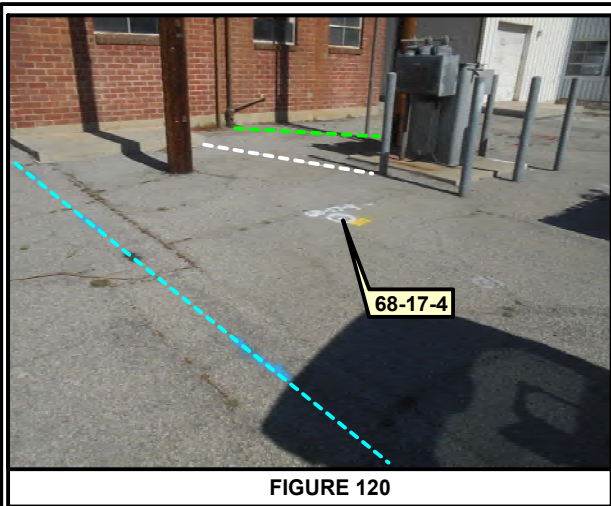


FIGURE 120

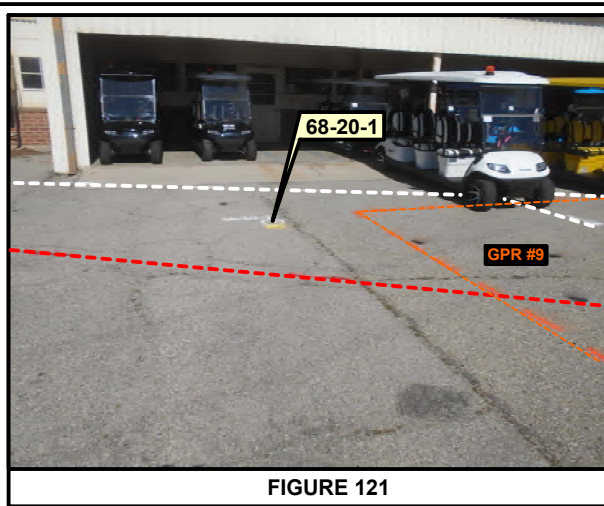


FIGURE 121

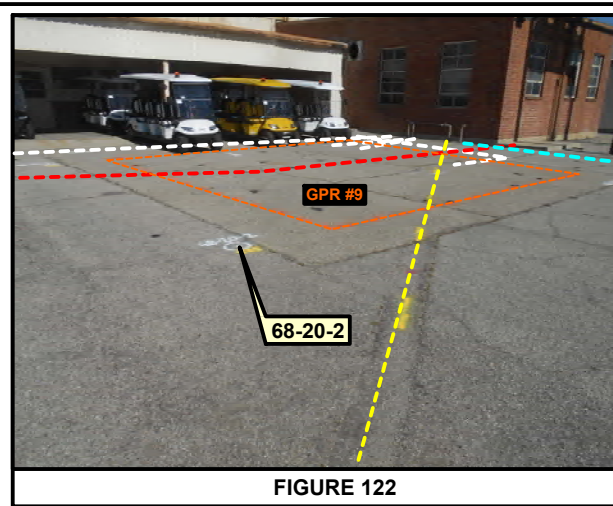


FIGURE 122

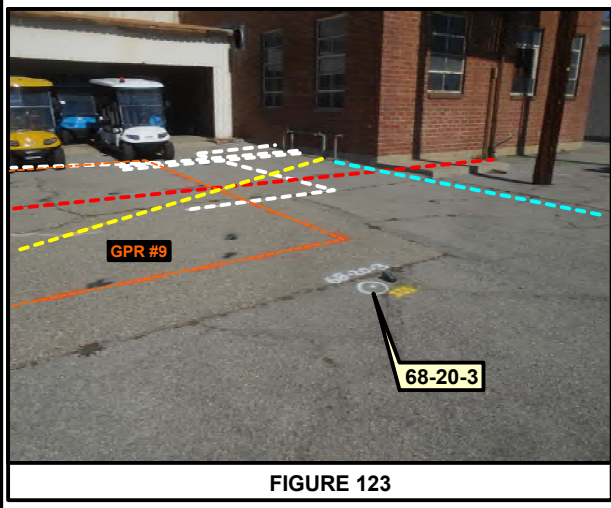


FIGURE 123

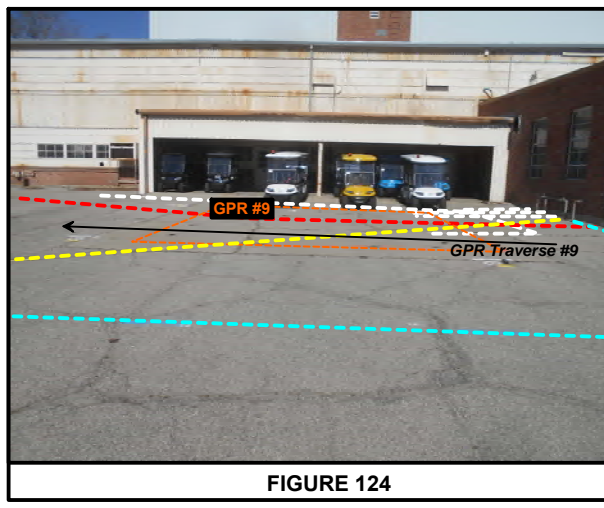


FIGURE 124

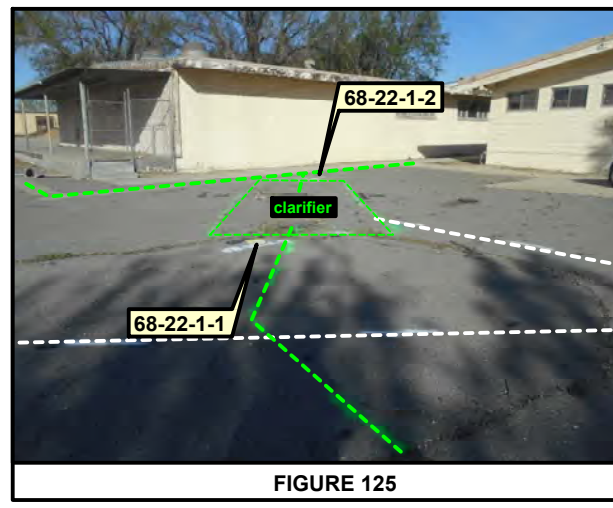


FIGURE 125

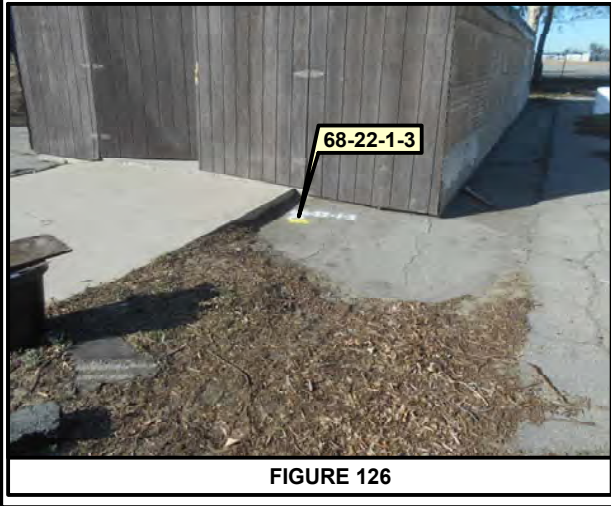


FIGURE 126

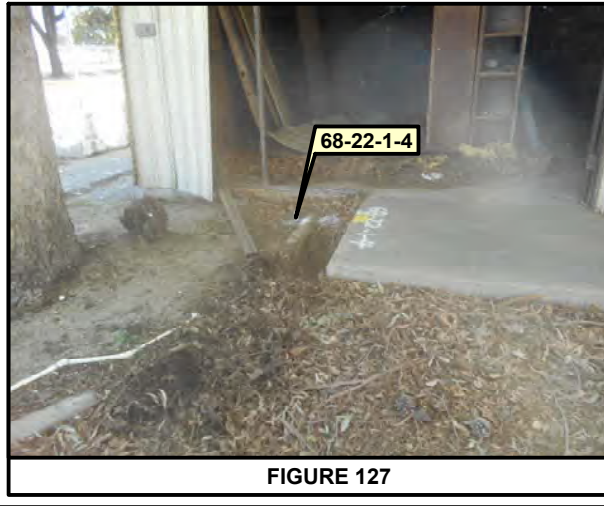


FIGURE 127

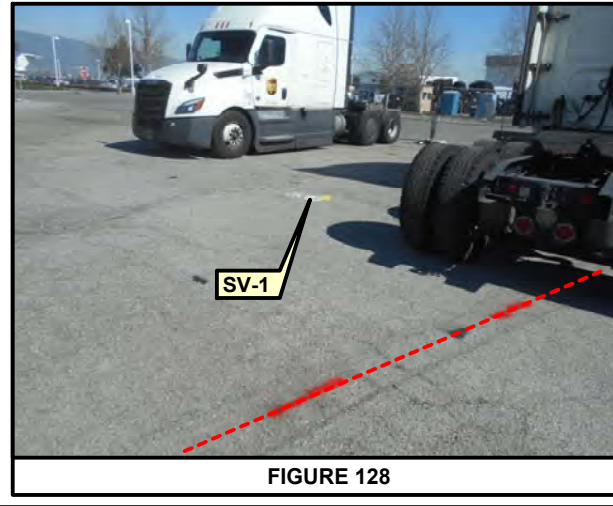
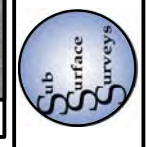


FIGURE 128

SURVEY DATE:  
February 8th-16th, 2022  
SSS PROJECT NO:  
22-050

TITLE:  
Site Photographs  
PREPARED FOR:  
GSI Environmental

SITE:  
Ontario International Airport  
2500 E Airport Dr  
Ontario, California



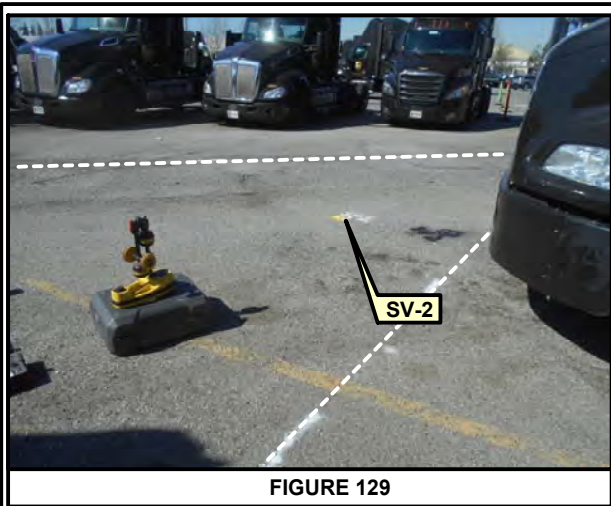


FIGURE 129

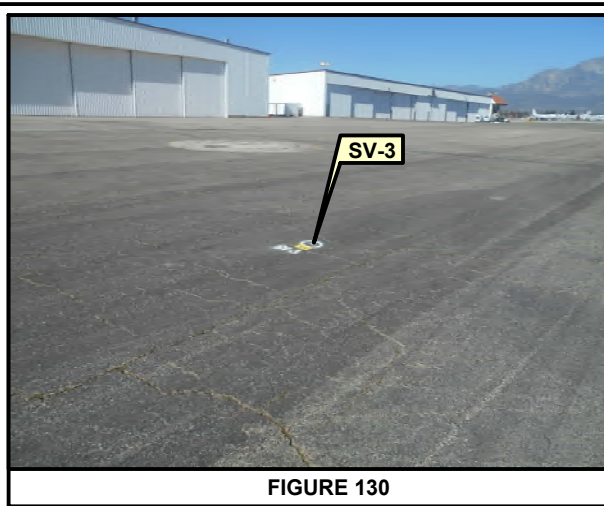


FIGURE 130

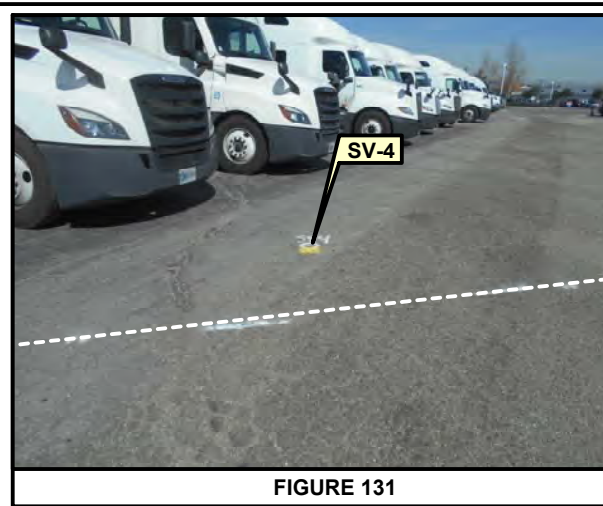


FIGURE 131

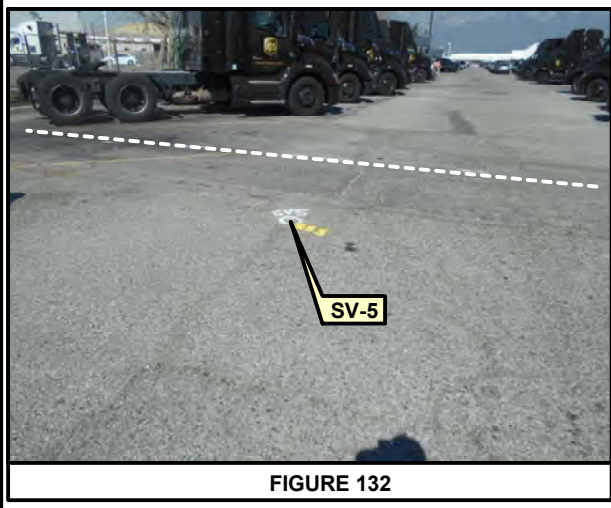


FIGURE 132

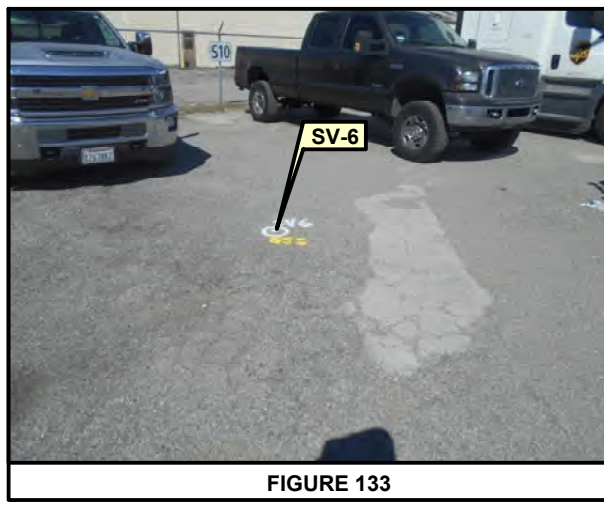


FIGURE 133

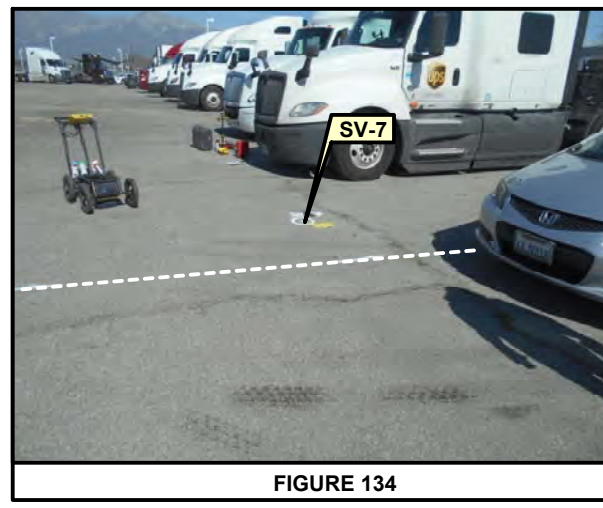


FIGURE 134

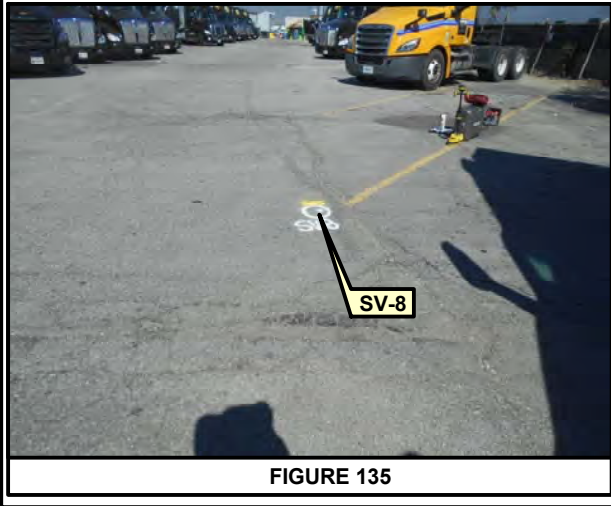


FIGURE 135

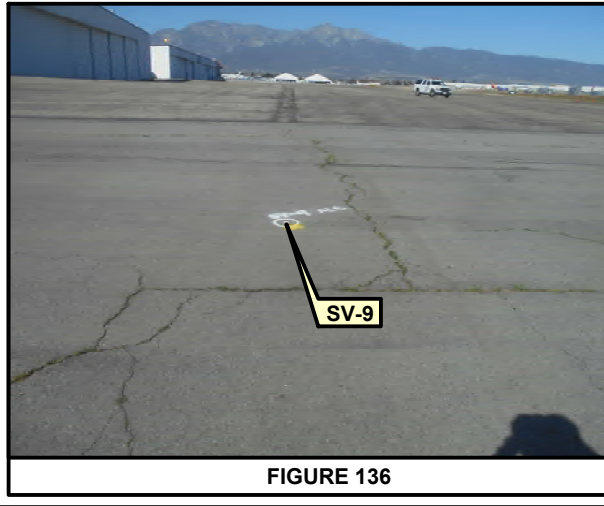


FIGURE 136

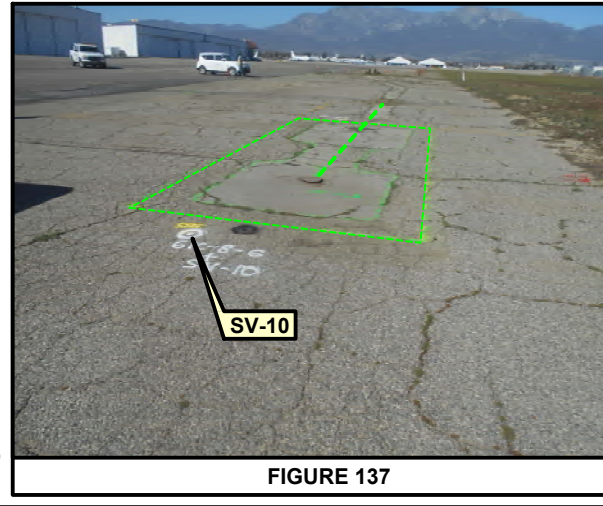


FIGURE 137

SURVEY DATE:  
February 8th-16th, 2022

SSS PROJECT NO:  
22-050

TITLE:  
Site Photographs

PREPARED FOR:  
GSI Environmental

SITE:  
Ontario International Airport  
2500 E Airport Dr  
Ontario, California

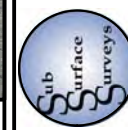






FIGURE 138



FIGURE 139



FIGURE 140

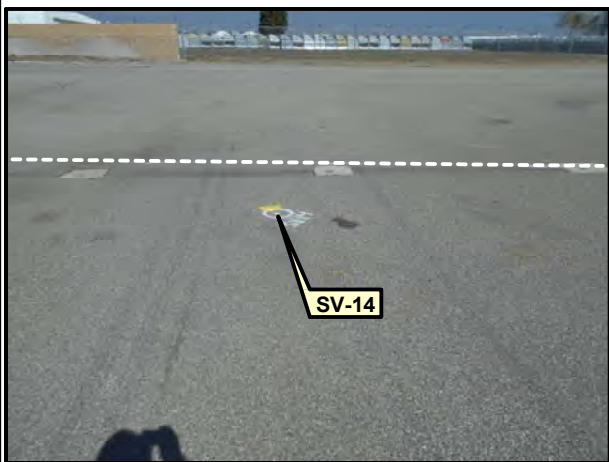


FIGURE 141



FIGURE 142



FIGURE 143

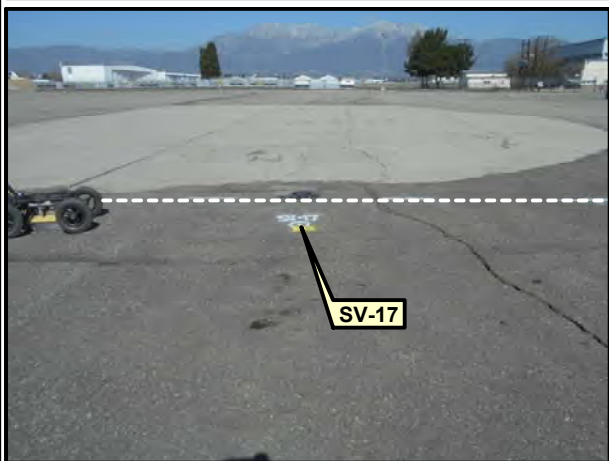


FIGURE 144

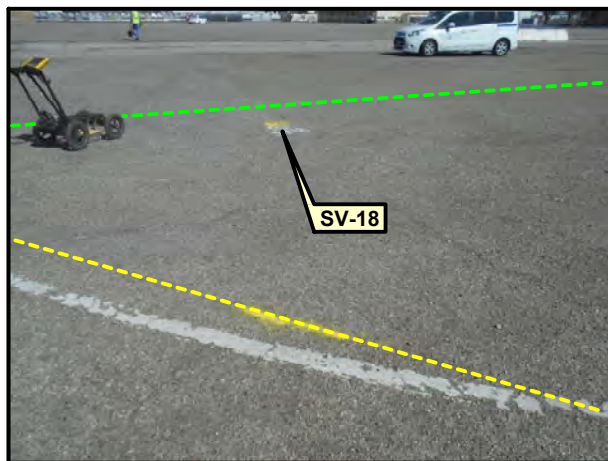


FIGURE 145

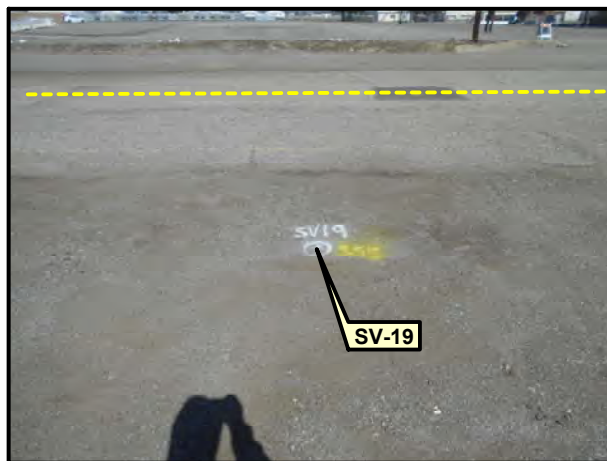


FIGURE 146

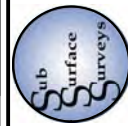
SURVEY DATE:  
February 8th-16th, 2022

SSS PROJECT NO:  
22-050

TITLE:  
Site Photographs

PREPARED FOR:  
GSI Environmental

SITE:  
Ontario International Airport  
2500 E Airport Dr  
Ontario, California



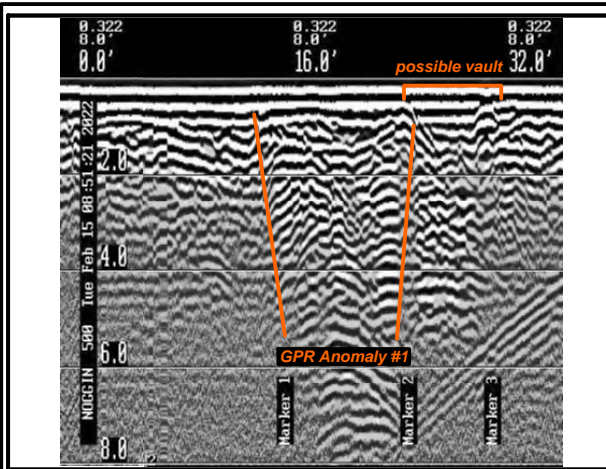


FIGURE 147: GPR Traverse #1 (61W-8)

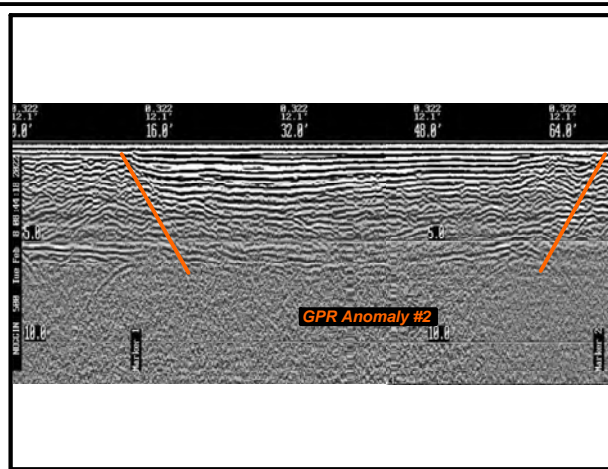


FIGURE 148: GPR Traverse #2 (61W-37)

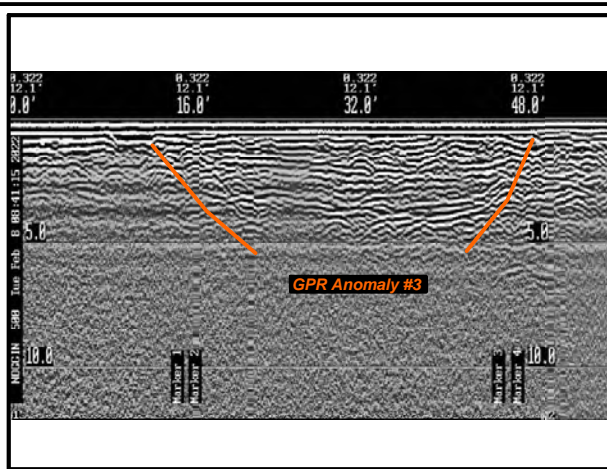


FIGURE 149: GPR Traverse #3 (61W-39)

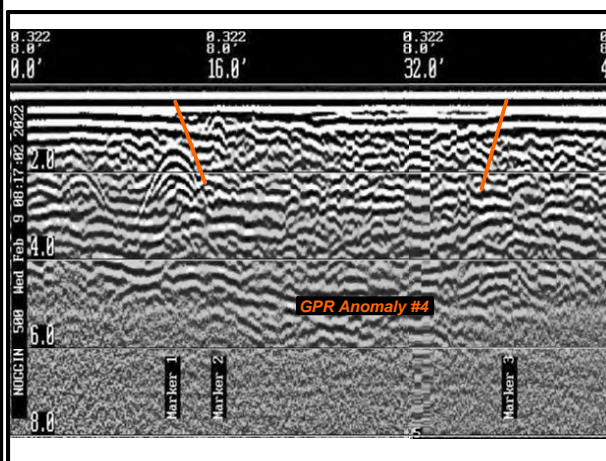


FIGURE 150: GPR Traverse #4 (61W-41-1)

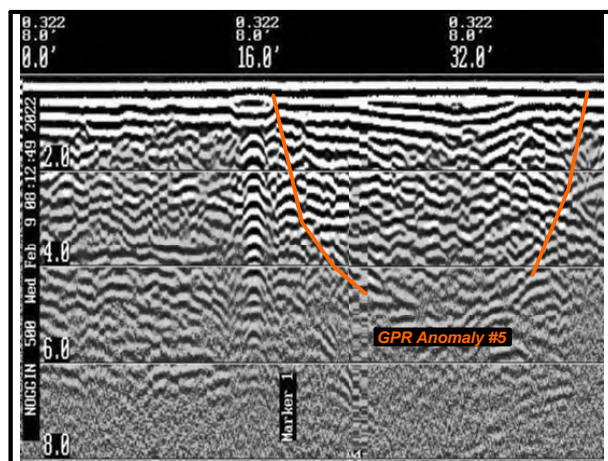


FIGURE 151: GPR Traverse #5 (61W-42)

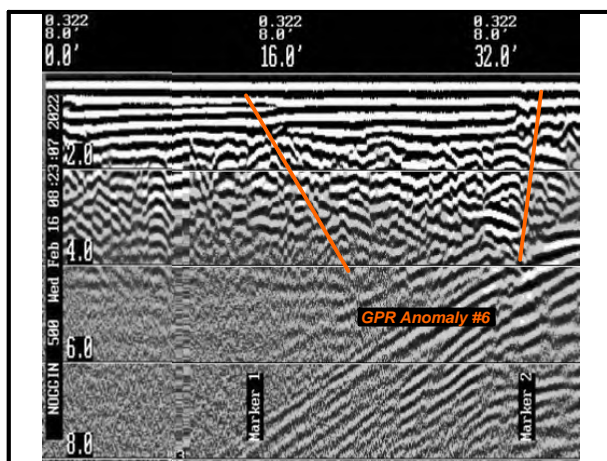


FIGURE 152: GPR Traverse #6 (61W-44)

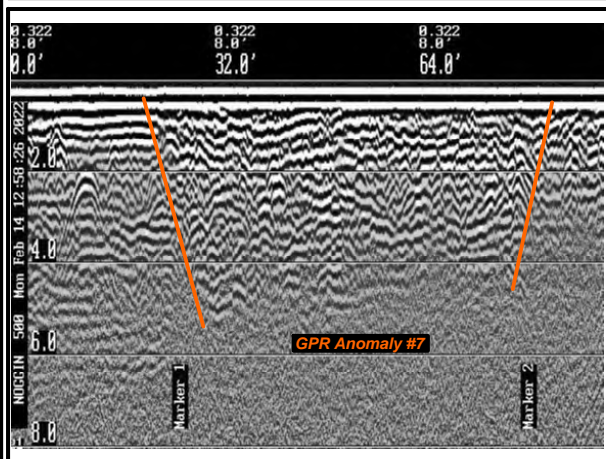


FIGURE 153: GPR Traverse #7 (62-13)

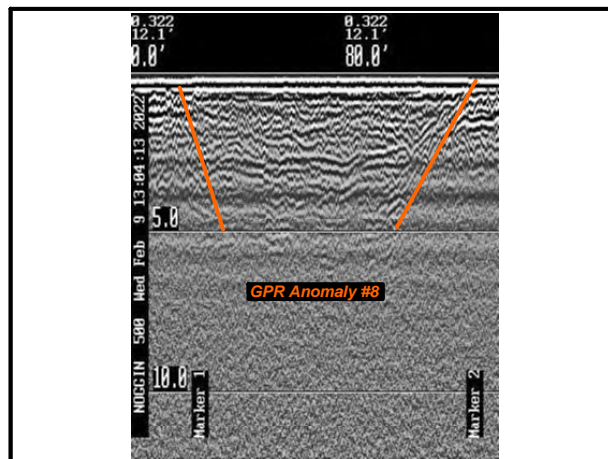


FIGURE 154: GPR Traverse #8 (68-7)

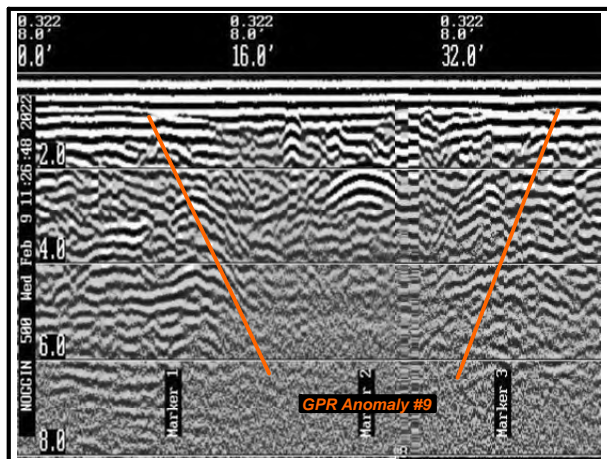


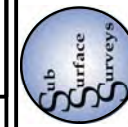
FIGURE 155: GPR Traverse #9 (68-20-2)

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22-050

TITLE:  
Radar Images  
PREPARED FOR:  
GSI Environmental

SITE:  
Ontario International Airport  
2500 E Airport Dr  
Ontario, California



**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

**APPENDIX B**

Soil Boring Logs



GSI Environmental Inc.  
 19200 Von Karman, Ste. 800  
 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 61W-1-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 4 Mar 2022 **COMPLETED** 4 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050924941 **LONGITUDE** -117.607035640  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel  ~75% fine to medium sand, ~25% fines, trace coarse sand, and fine gravel		SM					0.5  0.4  1.3		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-1-1  Soil Sample 61W-1-1-3  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.  Soil Sample 61W-1-1-6
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					1.7		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



GSI Environmental Inc.  
 19200 Von Karman, Ste. 800  
 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 61W-1-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 4 Mar 2022 **COMPLETED** 4 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051078667 **LONGITUDE** -117.606859231  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 5/7/22 10:59 - C:\USERS\FANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
2.0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				2.0		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-2-1
1.8								1.8		Soil sample depths collected with reference to bottom of concrete. Soil Sample 61W-1-2-3 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
2.6	~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel							2.6		Soil Sample 61W-1-2-6
2.8	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				2.8		Temporary soil vapor probes set at 5 and 15 ft below bottom of concrete. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
2.3	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~70% fine to medium sand, ~30% low plasticity fines, trace coarse sand	[Yellow dotted pattern]	SM	[X symbol]				2.3		Soil Sample 61W-1-2-15

Total Depth = 15.5 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



GSI Environmental Inc.  
 19200 Von Karman, Ste. 800  
 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 61W-1-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 4 Mar 2022 **COMPLETED** 4 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051170456 **LONGITUDE** -117.606715873  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.2		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-3-1
								1.9		Soil Sample 61W-1-3-3
	~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel							2.6		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil Sample 61W-1-3-6
10								2.9		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 61W-1-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 4 Mar 2022 **COMPLETED** 4 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051279574 **LONGITUDE** -117.606641188  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes						
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.9		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-4-1						
																Soil Sample 61W-1-4-3
5	~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel							1.6		Soil Sample 61W-1-4-6						
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP					2.9		Soil sample depths collected with reference to bottom of concrete.						

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-1-5

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 4 Mar 2022 **COMPLETED** 4 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051371246 **LONGITUDE** -117.606526616  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.7		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-5-1
								1.6		Soil Sample 61W-1-5-3
	~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel							2.4		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil Sample 61W-1-5-6
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					3.9		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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# Log of Soil Boring: 61W-1-6

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 18 Mar 2022 **COMPLETED** 18 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050915326 **LONGITUDE** -117.606760705  
**DRILLING EQUIPMENT** Geoprobe 6660 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black fill]						Soil Sample 61W-1-6-1 Hand auger to 5 feet below bottom of concrete.
5 - 10	~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]						1.6		Soil Sample 61W-1-6-6
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X marks]				1.9		PID: MiniRAE3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15								2.1		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-1-7

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 4 Mar 2022 **COMPLETED** 4 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051183105 **LONGITUDE** -117.606435450  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
2.7	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Dotted pattern]	SM	[Solid black]				2.7		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-7-1
5.5	~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, and fine gravel	[Dotted pattern]		[X pattern]				2.0		Soil Sample: 61W-1-7-5.5
10.0	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines	[Dotted pattern]	SP	[X pattern]				2.9		Temporary soil vapor probes installed at 5 and 15 ft below bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflo tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic-rated Eco Wheaton well box.
13.0				[X pattern]				2.9		Soil Sample 61W-1-7-13
15.5				[X pattern]						Soil sample depths collected with reference to bottom of concrete.

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: 61W-1-8

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 4 Mar 2022 **COMPLETED** 4 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051507322 **LONGITUDE** -117.606108801  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM							Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-1-8-1
5	~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel							2.7		Soil Sample 61W-1-8-6
10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% fine gravel		SP					3.2		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10	~85% sand, ~10% fine gravel, ~5% fines									
15	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM					3.3		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-1-9

**CLIENT** Mr. William Winters  
**GSI JOB NUMBER** 5925  
**DATE STARTED** 18 Mar 2022 **COMPLETED** 18 Mar 2022  
**DRILLING CONTRACTOR** Interphase Environmental, Inc.  
**DRILLING METHOD** Direct Push with Dual Tube Coring System  
**DRILLING EQUIPMENT** Geoprobe 6620DT  
**GROUND SURFACE** 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25  
 with 1' base below followed by 2" soil and 4" asphalt

**PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**PROJECT LOCATION** Ontario Airport, Ontario, California  
**GROUND ELEVATION** Ground Surface **DATUM** NA  
**TOP OF CASING ELEVATION** NA **DATUM** NA  
**LATITUDE** 34.050654700 **LONGITUDE** -117.606864973  
**LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
1.8	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]			[Black bar]	1.8		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-1-9-1
5	~85% fine to medium sand, ~15% fines, trace coarse sand	[Yellow dotted pattern]					[Black bar]	1.9		Soil Sample 61W-1-9-5.5
~7.5	~75% sand, ~15% fines	[Yellow dotted pattern]								Temporary soil vapor probes installed at 5 and 15 ft below bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflo tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic-rated Eco Wheaton well box.
2.9	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				2.9		
2.4		[Yellow dotted pattern]		[X symbol]			[Black bar]	2.4		Soil Sample 61W-1-9-14
15		[Yellow dotted pattern]		[X symbol]						Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: 61W-1-10

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 18 Mar 2022 **COMPLETED** 18 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050972295 **LONGITUDE** -117.606525655  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.8		Soil Sample 61W-1-10-1
5	~75% fine to medium sand, ~25% fines, trace coarse sand							3.3		Soil Sample 61W-1-10-6
	~85% fine to coarse sand, ~15% fines, trace fine gravel									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines		SP					2.8		
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM					1.9		Soil sample depths collected with reference to bottom of concrete.
15	Total Depth = 15.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-1-11

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 18 Mar 2022 **COMPLETED** 18 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051246446 **LONGITUDE** -117.606185191  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 6" base below

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				1.2		Hand auger to 5 feet below base of concrete. Soil Sample 61W-1-11-1
5 - 6.5	~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]								PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
6.5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X-pattern]				1.3		Soil Sample 61W-1-11-6
10 - 15		[Yellow dotted pattern]		[X-pattern]				1.4		
15				[X-pattern]				2.4		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-8-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 18 Mar 2022 **COMPLETED** 18 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051899525 **LONGITUDE** -117.606521471  
**DRILLING EQUIPMENT** Geoprobe 6660 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black fill]				4.4		Soil Sample 61W-8-1-1
5 - 5.5	Increased moisture									Hand auger to 5 feet below bottom of asphalt.
5.5 - 7.5	~70% fine to medium sand, ~30% low to medium plasticity fines							3.7		Soil Sample 61W-8-1-5.5
7.5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X pattern]				4.2		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10 - 15				[X pattern]				4.9		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-10-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 11 Mar 2022 **COMPLETED** 11 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051272957 **LONGITUDE** -117.607569609  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 5" base below

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.8		Soil Sample 61W-10-1-1
5 - 10	POORLY GRADED GRAVEL WITH SAND (GP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse gravel, ~35% fine to coarse sand, ~5% nonplastic fines		GP					1.4		Soil Sample 61W-10-1-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								1.6		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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 Telephone: 949-679-1070

# Log of Soil Boring: 61W-10-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 11 Mar 2022 **COMPLETED** 11 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051196659 **LONGITUDE** -117.607664443  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.0		Soil Sample 61W-10-2-1
5								0.4		Soil Sample 61W-10-2-5.5 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								0.6		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



GSI Environmental Inc.  
 19200 Von Karman, Ste. 800  
 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 61W-17A-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 21 Mar 2022 **COMPLETED** 21 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052719284 **LONGITUDE** -117.607828329  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 7" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.7		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-17A-1-1
5	Light olive brown (2.5Y 5/4), ~85% fine to medium sand, ~15% fines, trace coarse sand							1.1		Soil Sample 61W-17A-1-5.5
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines		SP							Soil sample depths collected with reference to bottom of concrete.
10	2-inch diameter gravel							0.7		Soil Sample 61W-17A-1-10
15								1.5		Soil Sample 61W-17A-1-15

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-17A-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 21 Mar 2022 **COMPLETED** 21 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052582828 **LONGITUDE** -117.607726431  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.4		Soil Sample 61W-17A-2-1  Hand auger to 5 feet below bottom of concrete.
5	~85% fine to medium sand, ~15% fines, trace coarse sand							2.2		Soil Sample 61W-17A-2-5.5  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% fines		SP					2.1		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-17A-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 21 Mar 2022 **COMPLETED** 21 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052597792 **LONGITUDE** -117.608011830  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines	[Yellow dotted pattern]	SM	[Black triangle]				1.0		Soil Sample 61W-17A-3-1  Hand auger to 5 feet below bottom of concrete.
5 - 7	Light olive brown (2.5Y 5/4), ~85% fine to medium sand, ~15% fines, trace coarse sand	[Yellow dotted pattern]		[White rectangle]				0.7		Soil Sample 61W-17A-3-5.5
7 - 10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[White rectangle with X]				0.7		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.  Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-17A-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 21 Mar 2022 **COMPLETED** 21 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052444011 **LONGITUDE** -117.607885268  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 9" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): light olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					1.8		Soil Sample 61W-17A-4-1  Hand auger to 5 feet below bottom of concrete.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							2.2		Soil Sample 61W-17A-4-5.5  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.9		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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# Log of Soil Boring: 61W-17A-5

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 21 Mar 2022 **COMPLETED** 21 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052287085 **LONGITUDE** -117.607786369  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				2.1		Soil Sample 61W-17A-5-1  Hand auger to 5 feet below bottom of concrete.
5 - 8	~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]						2.9		Soil Sample 61W-17A-5-5.5  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
8 - 10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				1.8		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-17A-6

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 21 Mar 2022 **COMPLETED** 21 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052209011 **LONGITUDE** -117.608072769  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 7" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.3		Soil Sample 61W-17A-6-1
5	~75% fine to medium sand, ~25% fines, trace coarse sand							2.9		Soil Sample 61W-17A-6-5.5  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10								2.5		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-17A-7

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 21 Mar 2022 **COMPLETED** 21 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052007101 **LONGITUDE** -117.608145110  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.2		Soil Sample 61W-17A-7-1  Hand auger to 5 feet below bottom of concrete.
5	~85% fine to medium sand, ~15% low plasticity fines, trace coarse sand							3.4		Soil Sample 61W-17A-7-5.5  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10				X				2.2		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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# Log of Soil Boring: 61W-17A-8

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 21 Mar 2022 **COMPLETED** 21 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052008508 **LONGITUDE** -117.608343362  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 2.8	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				2.8		Soil Sample 61W-17A-8-1
2.8 - 5.5	2-inch diameter asphalt fragment ~85% fine to medium sand, ~15% fines, trace coarse sand, and fine gravel	[Yellow dotted pattern]								Hand auger to 5 feet below bottom of concrete.
5.5 - 7.7	~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]						7.7		Soil Sample 61W-17A-8-5.5
7.7 - 10.0		[Yellow dotted pattern]		[X symbol]				3.3		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-23-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 18 Mar 2022 **COMPLETED** 18 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050985919 **LONGITUDE** -117.607198087  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 1' base below

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	<p>SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel</p> <p>~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel</p>		SM					4.6		<p>Soil Sample 61W-23-1-1</p> <p>Hand auger to 5 feet below bottom of concrete.</p> <p>Soil Sample 61W-23-1-5.5</p> <p>PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.</p> <p>Soil sample depths collected with reference to bottom of concrete.</p>
10	<p>Total Depth = 10.0 feet.</p> <p>Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.</p>									



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# Log of Soil Boring: 61W-23-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 18 Mar 2022 **COMPLETED** 18 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051079495 **LONGITUDE** -117.607092206  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 1' base below

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.5		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-23-2-1
5.5	~75% fine to medium sand, ~25% fines, trace coarse sand, trace fine gravel							3.4		Soil Sample 61W-23-2-5.5
10								2.1		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-23-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 18 Mar 2022 **COMPLETED** 18 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051150995 **LONGITUDE** -117.606931843  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" concrete with 6" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.5		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-23-3-1
2.2									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.	
4.6									Soil sample depths collected with reference to bottom of concrete.	

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



GSI Environmental Inc.  
 19200 Von Karman, Ste. 800  
 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 61W-24-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 9 Mar 2022 **COMPLETED** 9 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.051473293 **LONGITUDE** -117.606490023  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 **APPROVED BY** V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
3	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.4		Hand auger to 3 feet below bottom of asphalt. Soil Sample 61W-24-1-1 Soil sample depths collected with reference to bottom of asphalt.
								2.0		Soil Sample 61W-24-1-3
<p>Total Depth = 3.0 feet.</p> <p>Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.</p> <p>PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.</p>										

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 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 61W-24-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 11 Mar 2022 **COMPLETED** 11 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051647938 **LONGITUDE** -117.606329790  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 10" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM					2.0		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-24-2-1
5 - 10	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~90% fine to coarse sand, ~5% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP					2.2 2.4		Soil Sample 61W-24-2-5.5  Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-24-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 11 Mar 2022 **COMPLETED** 11 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051709457 **LONGITUDE** -117.606251657  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 10" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.7		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-24-3-1
5	Black (10YR 2/1), organic material, soft							1.5		Soil Sample 61W-24-3-5.5
	Organic material absent									
10	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					1.2		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 61W-24-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 11 Mar 2022 **COMPLETED** 11 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051756344 **LONGITUDE** -117.606197026  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 10" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.5		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-24-4-1
5.5								1.7		Soil Sample 61W-24-4-5.5
6.5	← 2-inch diameter gravel									
7.5	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					1.8		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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# Log of Soil Boring: 61W-24-5

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 11 Mar 2022 **COMPLETED** 11 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051798388 **LONGITUDE** -117.606142418  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 10" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.7		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-24-5-1
5.5								2.3		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.  Soil Sample 61W-24-5-5.5
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					1.6		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-24-6

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 11 Mar 2022 **COMPLETED** 11 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051808174 **LONGITUDE** -117.605990370  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.9		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-24-6-1
5.5	Increased moisture									
6										
6.5										
7										
7.5										
8										
8.5										
9										
9.5										
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					2.2		Soil Sample 61W-24-6-5.5
10								2.9		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-26-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 11 Mar 2022 **COMPLETED** 11 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051556553 **LONGITUDE** -117.607945517  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.6		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-26-1-1
5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines		SP					4.7		Soil Sample 61W-26-1-5.5
10								5.4		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-29-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 9 Mar 2022 **COMPLETED** 9 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.052777643 **LONGITUDE** -117.605917798  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 **APPROVED BY** V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel		SM					3.6		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-29-1-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of asphalt.
								3.5		Soil Sample 61W-29-1-5

Total Depth = 5.0 feet.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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# Log of Soil Boring: 61W-29-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 9 Mar 2022 **COMPLETED** 9 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.052712804 **LONGITUDE** -117.605960922  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 **APPROVED BY** V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel		SM					2.6		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-29-2-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of asphalt. Soil Sample 61W-29-2-5
	Total Depth = 5.0 feet.									

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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# Log of Soil Boring: 61W-29-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 9 Mar 2022 **COMPLETED** 9 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.052683545 **LONGITUDE** -117.606034078  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 **APPROVED BY** V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel		SM					1.7		Hand auger to 5 feet below bottom of asphalt. Soil Sample 61W-29-3-1 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of asphalt. Soil Sample 61W-29-3-5
	Total Depth = 5.0 feet.									

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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# Log of Soil Boring: 61W-30-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 16 Mar 2022 **COMPLETED** 16 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052244240 **LONGITUDE** -117.606713196  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.0		Hand auger to 5 feet below bottom of concrete. Soil Sample 61W-30-1-1
5								2.0		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.  Soil Sample 61W-30-1-5.5
~7.5	~75% fine to medium sand, ~25% fines, trace coarse sand							1.9		Soil sample depths collected with reference to bottom of concrete.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



GSI Environmental Inc.  
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 Telephone: 949-679-1070

# Log of Soil Boring: 61W-30-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 16 Mar 2022 **COMPLETED** 16 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052436575 **LONGITUDE** -117.606474289  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 9" soil below followed by 2' asphalt

GSI\_SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 2.3	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM					2.3		Soil Sample 61W-30-2-1
2.3 - 2.4								2.4		Soil Sample 61W-30-2-5.5
2.4 - 10.0	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				1.8		Hand auger to 1 foot bgs.  Soil sample depths collected with reference to bottom of asphalt.  Native soil starting at 3 ft bgs.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





GSI Environmental Inc.  
 19200 Von Karman, Ste. 800  
 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 61W-30-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 16 Mar 2022 **COMPLETED** 16 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052484131 **LONGITUDE** -117.606286118  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 1' soil below followed by 6" asphalt

GSI\_SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					4.1		Soil Sample 61W-30-3-1
5	~75% fine to medium sand, ~25% fines, trace coarse sand							3.3		Soil Sample 61W-30-3-5.5 Hand auger to 1 foot bgs.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					5.1		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-30-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 16 Mar 2022 **COMPLETED** 16 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052751896 **LONGITUDE** -117.606544509  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					3.3		Soil Sample 61W-30-4-1
5	~75% sand, ~25% fines							4.6		Soil Sample 61W-30-4-5.5
10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% nonplastic fines, ~5% fine gravel		SP					4.1		Hand auger to 5 feet below bottom of concrete. Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-30-5

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 16 Mar 2022 **COMPLETED** 16 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052561888 **LONGITUDE** -117.606799169  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.7		Soil Sample 61W-30-5-1
5 - 10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% nonplastic fines, ~5% fine gravel		SP					1.5		Soil Sample 61W-30-5-5.5
10								1.7		

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-30-6

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 15 Mar 2022 **COMPLETED** 15 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052820236 **LONGITUDE** -117.606844716  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.2		Soil Sample 61W-30-6-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 7								2.7		Soil Sample 61W-30-6-5.5  Hand auger to 5 feet below bottom of concrete.
7 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					1.9		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-30-7

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 16 Mar 2022 **COMPLETED** 16 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052642011 **LONGITUDE** -117.606435131  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 4.1	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				4.1		Soil Sample 61W-30-7-1  Hand auger to 4 feet below bottom of concrete.
4.1 - 5.5	2-inch diameter gravel									
5.5 - 7.5	~75% fine to medium sand, ~25% fines, trace coarse sand							2.2		Soil Sample 61W-30-7-5.5
7.5 - 10.5	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				2.2		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10.5 - 15.0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand	[Yellow dotted pattern]	SM	[X symbol]				3.4		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-30-8

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 16 Mar 2022 **COMPLETED** 16 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.052611603 **LONGITUDE** -117.606309030  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" concrete **BORING DIAMETER (in)** 3.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.0		Soil Sample 61W-30-8-1
5	~75% fine to medium sand, ~25% fines, trace coarse sand									Boring located in pit approximately 2 feet lower than surrounding surface.
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP					2.7		Soil Sample 61W-30-8-5.5
10								3.2		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					4.5		Soil sample depths collected with reference to bottom of concrete.
15										

Total Depth = 15.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-32-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 15 Mar 2022 **COMPLETED** 15 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052850828 **LONGITUDE** -117.607388047  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 6" soil below followed by 5" asphalt

GSI\_SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.2		Soil Sample 61W-32-1-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 6.5	~75% sand, ~25% fines							2.6		Soil Sample 61W-32-1-5.5  Hand auger to 5 feet below bottom of asphalt.
6.5 - 10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines		SP					2.5		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-32-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 15 Mar 2022 **COMPLETED** 15 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052878555 **LONGITUDE** -117.607247174  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 4" soil below followed by 5" asphalt

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.4		Soil Sample 61W-32-2-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% sand, ~25% fines							1.9		Soil Sample 61W-32-2-5.5  Hand auger to 5 feet below bottom of asphalt.
	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines		SP					1.8		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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# Log of Soil Boring: 61W-32-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 15 Mar 2022 **COMPLETED** 15 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.053045148 **LONGITUDE** -117.607434825  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 3" soil below followed by 5" asphalt

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM					0.8		Soil Sample 61W-32-3-1
5 - 10	~75% sand, ~25% fines	[Yellow dotted pattern]						1.0		Soil Sample 61W-32-3-5.5
10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP					2.0		Hand auger to 10 feet below bottom of asphalt. Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-32-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 15 Mar 2022 **COMPLETED** 15 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052981842 **LONGITUDE** -117.607170593  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 3" soil below followed by 5" asphalt

GSI\_SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				1.4		Soil Sample 61W-32-4-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 7								1.7		Soil Sample 61W-32-4-5.5  Hand auger to 5 feet below bottom of asphalt.
7 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White rectangle]				1.3		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 61W-32-5

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 15 Mar 2022 **COMPLETED** 15 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.053072771 **LONGITUDE** -117.607239669  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 6" soil below followed by 3" asphalt

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.7		Soil Sample 61W-32-5-1
5	~75% sand, ~25% fines, trace fine gravel							1.7		Soil Sample 61W-32-5-5.5 Hand auger to 5 feet below bottom of asphalt.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine gravel, ~5% nonplastic fines		SP					1.9		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



GSI Environmental Inc.  
 19200 Von Karman, Ste. 800  
 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 61W-32-6

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 15 Mar 2022 **COMPLETED** 15 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.053144275 **LONGITUDE** -117.607116274  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 6" base below followed by 5" asphalt

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					1.5		Soil Sample 61W-32-6-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 7								1.7		Soil Sample 61W-32-6-5.5  Hand auger to 5 feet below bottom of asphalt.
7 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					1.4		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 61W-32-7

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 15 Mar 2022 **COMPLETED** 15 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.053210570 **LONGITUDE** -117.606969572  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2.5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 6" base below followed by 3" asphalt

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.6		Soil Sample 61W-32-7-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 8.5								0.8		Soil Sample 61W-32-7-5.5  Hand auger to 5 feet below bottom of asphalt.
8.5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					1.4		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-32-8

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 17 Mar 2022 **COMPLETED** 17 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.053125139 **LONGITUDE** -117.607514483  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" asphalt with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 4.5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				1.4		Soil Sample 61W-32-8-1
4.5 - 5.5	~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]						1.0		Soil Sample 61W-32-8-5.5
5.5 - 10.0	POORLY GRADED SAND WITH GRAVEL (SP): light yellowish brown (2.5Y 6/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				2.3		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-32-9

**CLIENT** Mr. William Winters  
**GSI JOB NUMBER** 5925  
**DATE STARTED** 17 Mar 2022 **COMPLETED** 17 Mar 2022  
**DRILLING CONTRACTOR** Interphase Environmental, Inc.  
**DRILLING METHOD** Direct Push with Dual Tube Coring System  
**DRILLING EQUIPMENT** Geoprobe 6600  
**GROUND SURFACE** 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25  
with 3" base below

**PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**PROJECT LOCATION** Ontario Airport, Ontario, California  
**GROUND ELEVATION** Ground Surface **DATUM** NA  
**TOP OF CASING ELEVATION** NA **DATUM** NA  
**LATITUDE** 34.053282218 **LONGITUDE** -117.607497141  
**LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.2		Soil Sample 61W-32-9-1
5	~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand							2.1		Soil Sample 61W-32-9-5.5
	~85% fine to coarse sand, ~15% fines, trace fine gravel									Hand auger to 5 feet below bottom of asphalt.
10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					0.8		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-32-10

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 17 Mar 2022 **COMPLETED** 17 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.053261226 **LONGITUDE** -117.607298688  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.8		Soil Sample 61W-32-10-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							1.8		Soil Sample 61W-32-10-5.5  Hand auger to 5 feet below bottom of asphalt.
	~80% fine to coarse sand, ~15% fines, ~5% fine gravel							1.3		Soil sample depths collected with reference to bottom of asphalt.
10	Total Depth = 10.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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# Log of Soil Boring: 61W-37-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 10 Mar 2022 **COMPLETED** 10 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052283420 **LONGITUDE** -117.608566872  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 3" base below

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0.8	SILTY SAND WITH GRAVEL (SM): olive brown (2.5Y 4/4), moist, ~60% fine to coarse sand, ~20% fine to coarse gravel, ~20% low plasticity fines	[Yellow dotted pattern]	SM	[Black triangle]				0.8		Soil Sample 61W-37-1-1
1.3								1.3		Soil Sample 61W-37-1-5.5
5.5	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), wet, ~75% fine to coarse sand, ~20% fine gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]						Hand auger to 5 feet below bottom of asphalt.
10.2								1.2		
15.0	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				1.5		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



GSI Environmental Inc.  
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# Log of Soil Boring: 61W-37-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 10 Mar 2022 **COMPLETED** 10 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052391853 **LONGITUDE** -117.608437397  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE: GDT - 27/6/22 10:10 - C:\USERS\IEF\ANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				1.0		Soil Sample 61W-37-2-1
5 - 10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines ← 1-inch diameter gravel ← 2-inch diameter gravel	[Yellow dotted pattern]	SP	[White rectangle]				1.4		Soil Sample 61W-37-2-5.5
10 - 15	Light olive brown (2.5Y 5/3), ~95% fine to coarse sand, ~5% fines, trace fine gravel	[Yellow dotted pattern]		[White rectangle]				1.8		Hand auger to 5 feet below bottom of asphalt.
15								1.6		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-38-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 10 Mar 2022 **COMPLETED** 10 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052442569 **LONGITUDE** -117.608418141  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 4" base below

GSI - SOIL BORING - TRYTHIS TEMPLATE: GDT - 6/7/22 17:01 - C:\USERS\FANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925 EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				1.3		Soil Sample 61W-38-1-1
5 - 7								3.3		Soil Sample 61W-38-1-5.5
7 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]						Hand auger to 5 feet below bottom of asphalt.
10 - 15	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[X symbol]				3.8		
15								3.4		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 61W-38-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 10 Mar 2022 **COMPLETED** 10 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052531497 **LONGITUDE** -117.608313177  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 6" base below

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				1.5		Soil Sample 61W-38-2-1
5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X marks]				2.3		Soil Sample 61W-38-2-5.5
10 - 15								3.2		Hand auger to 5 feet below bottom of asphalt.
15								3.0		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



GSI Environmental Inc.  
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 Telephone: 949-679-1070

# Log of Soil Boring: 61W-39-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 10 Mar 2022 **COMPLETED** 10 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052621085 **LONGITUDE** -117.608301302  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 5" base below

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel		SM	SM				1.8		Soil Sample 61W-39-1-1
5 - 10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines		SP	SP				3.6		Soil Sample 61W-39-1-5.5
10 - 15								5.1		Hand auger to 5 feet below bottom of asphalt.
15								5.0		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



GSI Environmental Inc.  
 19200 Von Karman, Ste. 800  
 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 61W-39-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 10 Mar 2022 **COMPLETED** 10 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052580620 **LONGITUDE** -117.608455009  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				2.6		Soil Sample 61W-39-2-1
5 - 5.5				[White]				5.7		Soil Sample 61W-39-2-5.5
5.5 - 10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White]				5.5		Hand auger to 5 feet below bottom of asphalt.
10 - 15				[White]				5.9		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



GSI Environmental Inc.  
 19200 Von Karman, Ste. 800  
 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 61W-39-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 10 Mar 2022 **COMPLETED** 10 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052655420 **LONGITUDE** -117.608439161  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE: GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
3.1	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel		SM					3.1		Soil Sample 61W-39-3-1
2.0								2.0		Soil Sample 61W-39-3-5.5
4.9	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines		SP					4.9		Hand auger to 5 feet below bottom of asphalt.
2.9								2.9		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-40-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 9 Mar 2022 **COMPLETED** 9 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.053291601 **LONGITUDE** -117.606742859  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine to coarse gravel	[Yellow dotted pattern]	SM	[Black wedge]				1.5		Soil Sample 61W-40-1-1
5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X pattern]				4.1		Soil Sample 61W-40-1-5.5
10 - 15				[X pattern]				3.4		Hand auger to 5 feet below bottom of asphalt.
15				[X pattern]				2.1		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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 Telephone: 949-679-1070

# Log of Soil Boring: 61W-41-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 9 Mar 2022 **COMPLETED** 9 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.053178923 **LONGITUDE** -117.606612597  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine to coarse gravel		SM					1.5		Soil Sample 61W-41-1-1
5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines		SP					2.2		Soil Sample 61W-41-1-5.5
10 - 15								5.3		Hand auger to 5 feet below bottom of asphalt.
15								5.4		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 61W-41-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 9 Mar 2022 **COMPLETED** 9 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.053128854 **LONGITUDE** -117.606547316  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\IEFANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine to coarse gravel		SM					1.2		Soil Sample 61W-41-2-1
5 - 7								1.7		Soil Sample 61W-41-2-5.5
7 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP							Hand auger to 5 feet below bottom of asphalt.
10 - 12	~80% sand, ~15% gravel, ~5% fines							2.9		
12 - 15	~60% sand, ~35% gravel, ~5% fines									Soil sample depths collected with reference to bottom of asphalt.
15								2.5		

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-42-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 9 Mar 2022 **COMPLETED** 9 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052962873 **LONGITUDE** -117.606462305  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~20% low plasticity fines, trace fine gravel		SM					0.9		Soil Sample 61W-42-1-1
5	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines		SP					2.6		Soil Sample 61W-42-1-5.5
10	CLAYEY SAND (SC): light olive brown (2.5Y 5/4), moist, ~60% fine to medium sand, ~40% low to medium plasticity fines							2.9		Hand auger to 5 feet below bottom of asphalt.
15								2.4		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-43-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 21 Mar 2022 **COMPLETED** 21 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051605466 **LONGITUDE** -117.607172606  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				2.0		Soil Sample 61W-43-1-1
5	~75% sand, ~25% fines							1.9		Soil Sample 61W-43-1-5.5
5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP							Hand auger to 5 feet below bottom of asphalt.
10 - 15	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to medium sand, ~15% low plasticity fines, trace coarse sand	[Yellow dotted pattern]	SM	[X symbol]				1.1		
15	~75% sand, ~25% fines							1.9		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-43-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Mar 2022 **COMPLETED** 23 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051536981 **LONGITUDE** -117.607290808  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.5		Soil Sample 61W-43-2-1
5	~75% fine to medium sand, ~25% fines, trace coarse sand							2.2		Soil Sample 61W-43-2-5.5
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines ~85% fine to coarse sand, ~15% fines							4.6		Hand auger to 5 feet below bottom of asphalt.
15	~75% fine to medium sand, ~25% low to medium plasticity fines							2.5		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61W-44

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 17 Mar 2022 **COMPLETED** 17 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051603499 **LONGITUDE** -117.608028124  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines	[Yellow dotted pattern]	SM	[Black fill]				3.7		Soil Sample 61W-44-1
5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 5/4), ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines ~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]		[White fill]				2.6		Soil Sample 61W-44-5.5
10 - 15				[White fill]				3.4		Hand auger to 5 feet below bottom of asphalt.
15								4.9		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 61C-4-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Feb 2022 **COMPLETED** 23 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051662817 **LONGITUDE** -117.602981298  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 2.25' degraded asphalt and base below

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	POORLY GRADED GRAVEL WITH SAND (GP): dark brown (10YR 3/3), moist, ~75% fine to coarse gravel, ~20% fine to coarse sand, ~5% nonplastic fines		GP					1.8		Soil Sample 61C-4-1-1
1	Light olive brown (2.5Y 5/4)									
5								3.3		Soil Sample 61C-4-1-5
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~70% fine to coarse sand, ~25% fine gravel, ~5% nonplastic fines		SP					3.6		Hand auger to 1-foot below bottom of asphalt.  Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 61C-4-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Feb 2022 **COMPLETED** 23 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051507466 **LONGITUDE** -117.603036893  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 12:25 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 4.1	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel, sand size predominantly fine to medium Asphalt		SP					4.1		Soil Sample 61C-4-2-1.5
4.1 - 4.3	Light olive brown (2.5Y 5/4)							4.3		Soil Sample 61C-4-2-5.5
4.3 - 5.3	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~70% fine to medium sand, ~30% low to medium plasticity fines, trace coarse sand, and fine gravel		SM					5.3		Hand auger to 5 feet below bottom of concrete.  Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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 Telephone: 949-679-1070

# Log of Soil Boring: 61C-4-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Feb 2022 **COMPLETED** 23 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051442933 **LONGITUDE** -117.602985006  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines, sand size predominantly fine to medium		SP					4.1		Soil Sample 61C-4-3-1
5	Light olive brown (2.5Y 5/3), ~95% fine to coarse sand, ~5% fines, trace fine gravel									2.7
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~70% fine to medium sand, ~30% low to medium plasticity fines, trace coarse sand, and fine gravel			SM				5.9		Hand auger to 5 feet below bottom of asphalt.  Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61C-4-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Feb 2022 **COMPLETED** 23 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051334807 **LONGITUDE** -117.603003922  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP							
3.3								3.3		Soil Sample 61C-4-4-1
5	← 2-inch diameter gravel							2.4		Soil Sample 61C-4-4-5.5
5.5										Hand auger to 5 feet below bottom of asphalt.
10										Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.

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# Log of Soil Boring: 61C-4-5

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Feb 2022 **COMPLETED** 23 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051225740 **LONGITUDE** -117.603100942  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5.0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine to coarse gravel	[Yellow dotted pattern]	SP	[Black triangle]				3.9		Soil Sample 61C-4-5-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5.5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel	[Yellow vertical lines]	SM	[White rectangle]				3.7		Soil Sample 61C-4-5-5.5  Hand auger to 5 foot below bottom of asphalt.
5.5 - 10.0	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White rectangle]				4.2		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61C-8-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Feb 2022 **COMPLETED** 23 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051112920 **LONGITUDE** -117.603127940  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
3.6	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine to coarse gravel	[Yellow dotted pattern]	SP	[Black wedge]				3.6		Soil Sample 61C-8-1-1
3.1								3.1		Soil Sample 61C-8-1-5.5
4.5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel	[Yellow vertical lines]	SM	[X symbol]				4.5		Hand auger to 5 feet below bottom of asphalt.
4.9	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[X symbol]				4.9		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61C-8-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Feb 2022 **COMPLETED** 23 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051087349 **LONGITUDE** -117.603127608  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Black triangle]						Soil Sample 61C-8-2-1
5 - 10	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM	[X marks]				2.5		Soil Sample 61C-8-2-5.5
10 - 15	POORLY GRADED SAND (SP): light yellowish brown (2.5Y 6/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X marks]				4.3		Hand auger to 5 feet below bottom of asphalt.
15								5.3		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 61C-8-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 24 Feb 2022 **COMPLETED** 24 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051075168 **LONGITUDE** -117.603058225  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Black fill]				0.2		Soil Sample 61C-8-3-1
5 - 10	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel	[Yellow vertical lines]	SM	[White fill with X]				0.5		Soil Sample 61C-8-3-5.5
10 - 15	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[White fill with X]				0.4		Hand auger to 5 feet below bottom of asphalt.
15	<p>Total Depth = 15.0 feet.</p> <p>Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.</p> <p>Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.</p>									



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# Log of Soil Boring: 61C-8-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 24 Feb 2022 **COMPLETED** 24 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051043302 **LONGITUDE** -117.603067593  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	NA	NA	NA	NA	0.6	NA	Soil Sample 61C-8-4-1
5 - 10	SILTY SAND (SM): olive brown (2.5Y 4/4), ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, and fine gravel	[Yellow vertical lines]	SM	NA	NA	NA	NA	0.5	NA	Soil Sample 61C-8-4-5.5
10 - 15	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	NA	NA	NA	NA	1.6	NA	Hand auger to 5 feet below bottom of asphalt.
15	<p>Total Depth = 15.0 feet.</p> <p>Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.</p> <p>Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.</p>									



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# Log of Soil Boring: 61C-8-5

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 24 Feb 2022 **COMPLETED** 24 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050804625 **LONGITUDE** -117.603027690  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
1.3	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Black fill]				1.3		Soil Sample 61C-8-5-1
1.7	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand	[Yellow dotted pattern]	SM	[White fill]				1.7		Soil Sample 61C-8-5-5.5
10.0	POORLY GRADED SAND (SP): pale brown (2.5Y 7/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines 2-inch diameter gravel	[Yellow dotted pattern]	SP	[White fill]				1.5		Hand auger to 5 feet below bottom of asphalt.
15.0	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White fill]				1.7		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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# Log of Soil Boring: 61C-8-6-SV10

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 24 Feb 2022 **COMPLETED** 24 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050650348 **LONGITUDE** -117.602999897  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[Black triangle]				1.4		Soil Sample 61C-8-6-SV10-1  Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 10	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM	[X symbol]				1.6		Soil Sample 61C-8-6-SV10-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				2.2		
15 - 15.5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[X symbol]				1.7		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: 62-2-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 1 Mar 2022 **COMPLETED** 1 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051842838 **LONGITUDE** -117.603857095  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
3.4	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Black fill]				3.4		Soil Sample 62-2-1-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5.2	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM	[X pattern]				5.2		Soil Sample 62-2-1-6  Hand auger to 5 feet below bottom of asphalt.
4.7	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X pattern]				4.7		
5.0				[X pattern]				5.0		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-2-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 2 Mar 2022 **COMPLETED** 2 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051790154 **LONGITUDE** -117.603847359  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Black fill]				1.1		Soil Sample 62-2-2-1
5 - 8	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM	[X pattern]				0.8		Soil Sample 62-2-2-6
8 - 10								0.9		Hand auger to 5 feet below bottom of asphalt.
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X pattern]				1.2		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 62-2-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 1 Mar 2022 **COMPLETED** 1 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051746537 **LONGITUDE** -117.603865283  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE - GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Dotted pattern]	SP	[Solid black]				3.8		Soil Sample 62-2-3-1
5 - 10	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel	[Vertical lines]	SM	[X pattern]				3.3		Soil Sample 62-2-3-6
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines	[Dotted pattern]	SP	[X pattern]				3.0		Hand auger to 5 feet below bottom of asphalt.
15				[X pattern]				5.1		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-2-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 2 Mar 2022 **COMPLETED** 2 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051761039 **LONGITUDE** -117.603818930  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE: GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
1.6	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Black triangle]				1.6		Soil Sample 62-2-4-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5.0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, and fine gravel	[Yellow vertical lines]	SM	[White rectangle]				1.4		Soil Sample 62-2-4-6  Hand auger to 5 feet below bottom of asphalt.
10.8	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White rectangle with X]				1.8		
14.9	~75% sand, ~20% fine gravel, ~5% fines	[Yellow dotted pattern]		[White rectangle with X]				1.1		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-5-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 25 Feb 2022 **COMPLETED** 1 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052619279 **LONGITUDE** -117.604123274  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 4.5	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP					0.1		Soil Sample 62-5-1-1
4.5 - 5.0	~80% sand, ~15% fine gravel, ~5% fines							0.3		Soil Sample 62-5-1-SO-3
5.0 - 5.5	3-inch diameter gravel									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5.5 - 9.5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, and fine gravel	[Yellow dotted pattern]	SM					0.1		Soil Sample 62-5-1-5.5
9.5 - 10.0	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines	[Yellow dotted pattern]	SP					0.1		Hand auger to 5 feet below bottom of concrete. Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-5-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 25 Feb 2022 **COMPLETED** 25 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052434276 **LONGITUDE** -117.604008035  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE: GDT - 6/7/22 17:01 - C:\USERS\FANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925 EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					0.1		Soil Sample 62-5-2-1
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					0.1		Soil Sample 62-5-2-3
5	3-inch diameter gravel							0.2		
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, and fine gravel		SM					0.1		Soil Sample 62-5-2-5.5
10	<p>Total Depth = 10.0 feet.            Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.</p>									



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# Log of Soil Boring: 62-5-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 25 Feb 2022 **COMPLETED** 25 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.052154277 **LONGITUDE** -117.604007114  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes			
0.9	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines		SP					0.9		Soil Sample 62-5-3-1			
2.0	2-inch diameter asphalt												Hand auger to 5 feet below bottom of concrete.
5.5	~95% sand, ~5% fines, trace fine gravel												0.9
10.0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM					1.2		Soil Sample 62-5-3-5.5			
10.0								1.4		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.  Soil sample depths collected with reference to bottom of concrete.			

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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# Log of Soil Boring: 62-5-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 25 Feb 2022 **COMPLETED** 25 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051978284 **LONGITUDE** -117.604011906  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					0.9		Soil Sample 62-5-4-1
5	1-inch diameter asphalt									
	2-inch diameter gravel							1.1		Soil Sample 62-5-4-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM							Hand auger to 5 feet below bottom of concrete.
10								1.3		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-5-5

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 25 Feb 2022 **COMPLETED** 25 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051843333 **LONGITUDE** -117.604089672  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.2		Soil Sample 62-5-5-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM					1.4		Soil Sample 62-5-5-5.5  Hand auger to 5 feet below bottom of concrete.
10	Total Depth = 10.0 feet. Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.									



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# Log of Soil Boring: 62-5-6

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 25 Feb 2022 **COMPLETED** 25 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051840072 **LONGITUDE** -117.603932747  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0.0 - 5.0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.0		Soil Sample 62-5-6-1
5.0 - 6.5								1.3		Hand auger to 5 feet below bottom of concrete. Soil Sample 62-5-6-3
6.5 - 9.5								0.9		Soil Sample 62-5-6-5.5
9.5 - 10.0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel		SM					0.6		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-8-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 28 Feb 2022 **COMPLETED** 28 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.051604941 **LONGITUDE** -117.604127678  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 9" concrete with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 1.0	SILTY SAND (SM): dark yellowish brown (10YR 4/4), moist, ~75% fine to coarse sand, ~25% low to medium plasticity fines, trace fine gravel, sand size is predominantly fine to medium	[Yellow dotted pattern]	SM					1.0		Soil Sample 62-8-1-1
1.0 - 2.5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP					2.5		Hand auger to 10 feet below bottom of concrete. Soil Sample 62-8-1-3
2.5 - 2.7								2.7		Soil Sample 62-8-1-5.5
2.7 - 2.4	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM					2.4		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-8-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 28 Feb 2022 **COMPLETED** 28 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051504225 **LONGITUDE** -117.604094060  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 9" concrete with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 2.8	SILTY SAND (SM): dark yellowish brown (10YR 4/4), moist, ~75% fine to coarse sand, ~25% low to medium plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM					2.8		Soil Sample 62-8-2-1
2.8 - 5.5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP					2.8		Hand auger to 5 feet below bottom of concrete. Soil Sample 62-8-2-3
5.5 - 8.2										
8.2 - 9.8	SILTY SAND (SM): olive brown (2.5Y 4/4), ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM					1.8		Soil Sample 62-8-2-5.5
9.8 - 10.0								2.1		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.

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# Log of Soil Boring: 62-8-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 28 Feb 2022 **COMPLETED** 28 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051347926 **LONGITUDE** -117.604092894  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 10" concrete with 2" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 4.4	SILTY SAND (SM): dark yellowish brown (10YR 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				4.4		Soil Sample 62-8-3-1
4.4 - 5.5	1-inch diameter degraded asphalt POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Black triangle]				2.0		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil Sample 62-8-3-5.5
5.5 - 10.0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM	[White rectangle]				2.3		Hand auger to 5 feet below bottom of concrete. Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 62-8-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 28 Feb 2022 **COMPLETED** 28 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051181516 **LONGITUDE** -117.604093785  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 10" concrete with 2" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:12 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes			
	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.9		Soil Sample 62-8-4-1			
	← 2-inch diameter degraded asphalt												Hand auger to 5 feet below bottom of concrete.
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP									2.9	
5	~85% sand, ~10% fine to coarse gravel, predominantly fine gravel, ~5% fines							2.6		Soil Sample 62-8-4-5.5			
	Light olive brown (2.5Y 5/4)									PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.			
10								3.0		Soil sample depths collected with reference to bottom of concrete.			

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-8-5

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 28 Feb 2022 **COMPLETED** 28 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051099041 **LONGITUDE** -117.604163473  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 9" concrete with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:12 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 4.1	SILTY SAND (SM): light olive brown (2.5Y 5/6), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]			[Black bar]	4.1		Soil Sample 62-8-5-1  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
4.1 - 5.5	2-inch diameter weathered asphalt									
5.5 - 4.1	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines, trace coarse gravel	[Yellow dotted pattern]	SP	[Black triangle]			[Black bar]	4.1		Soil Sample 62-8-5-5.5  Hand auger to 5 feet below bottom of concrete.
4.1 - 4.8								4.8		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.





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# Log of Soil Boring: 62-8-6

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 28 Feb 2022 **COMPLETED** 28 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.051093893 **LONGITUDE** -117.603955643  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 9" concrete with 3" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
2.3	SILTY SAND (SM): light olive brown (2.5Y 5/6), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel	[Dotted pattern]	SM					2.3		Soil Sample 62-8-6-1
2.6	2-inch diameter degraded asphalt ~85% sand, ~15% fines							2.6		Hand auger to 5 feet below bottom of concrete. Soil Sample 62-8-6-3.5
3.0	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines	[Dotted pattern]	SP					3.0		Soil Sample 62-8-6-5.5
5.0								5.0		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-9-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 1 Mar 2022 **COMPLETED** 1 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050992743 **LONGITUDE** -117.604030670  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 6/7/22 17:01 - C:\USERS\FANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
3.6	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				3.6		Soil Sample 62-9-1-1
3.5								3.5		Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5.0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[X symbol]						Soil Sample 62-9-1-6  Temporary soil vapor probes installed at 5 and 15 ft below bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflo tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack.  A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic-rated Emco Wheaton well box.
10.0	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				4.4		Soil sample depths collected with reference to bottom of asphalt.
15.0	3-inch diameter gravel	[Yellow dotted pattern]		[X symbol]				5.1		Soil Sample 62-9-1-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: 62-9-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 1 Mar 2022 **COMPLETED** 1 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050995005 **LONGITUDE** -117.604086144  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE - GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					2.9		Soil Sample 62-9-2-1
5	~85% sand, ~15% fines							4.8		Soil Sample 62-9-2-5.5
10								5.1		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					5.6		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-9-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 1 Mar 2022 **COMPLETED** 1 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050994560 **LONGITUDE** -117.604107013  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM					4.3		Soil Sample 62-9-3-1
5 - 6.9	~85% sand, ~15% fines							6.9		Soil Sample 62-9-3-6
6.9 - 15	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					6.5		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15								7.0		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-9-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 1 Mar 2022 **COMPLETED** 1 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050924883 **LONGITUDE** -117.604126896  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM							
4.1								4.1		Soil Sample 62-9-4-1
4.0								4.0		Soil Sample 62-9-4-5.5
3.1								3.1		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5.3								5.3		Soil sample depths collected with reference to bottom of asphalt.
15	Light olive brown (2.5Y 5/3)									

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-13-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 14 Mar 2022 **COMPLETED** 14 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050370249 **LONGITUDE** -117.605213521  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 5" base below

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
3.2	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				3.2		Soil Sample 62-13-1-1  Hand auger to 5 feet below bottom of asphalt.
4.5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White rectangle]				4.5		Soil Sample 62-13-1-5.5
4.4				[X symbol]				4.4		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
4.6				[X symbol]				4.6		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-13-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 14 Mar 2022 **COMPLETED** 14 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050371383 **LONGITUDE** -117.605023095  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5.4	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black fill]				3.9		Soil Sample 62-13-2-1  Hand auger to 5 feet below bottom of asphalt.
5.4 - 4.1	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X pattern]				4.1		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
4.1 - 4.5	~60% sand, ~35% fine to coarse gravel, ~5% fines	[Yellow dotted pattern]		[X pattern]				4.5		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-13-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 14 Mar 2022 **COMPLETED** 14 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050366818 **LONGITUDE** -117.604930696  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5.1	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black fill]				5.1		Soil Sample 62-13-3-1  Hand auger to 5 feet below bottom of asphalt.
5.3	~75% sand, ~25% fines	[Yellow dotted pattern]		[Black fill]				5.3		Soil Sample 62-13-3-5.5
5.6	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X pattern]				5.6		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
4.4				[X pattern]				4.4		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





GSI Environmental Inc.  
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 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 62-13-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 14 Mar 2022 **COMPLETED** 14 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050299486 **LONGITUDE** -117.604903742  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 4" base below

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				1.9		Soil Sample 62-13-4-1  Hand auger to 5 feet below bottom of asphalt.
5 - 7.5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[X symbol]				2.7		Soil Sample 62-13-4-5.5
7.5 - 10	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand	[Yellow dotted pattern]	SM	[X symbol]				2.7		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10 - 15	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[X symbol]				2.6		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-13-5

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 14 Mar 2022 **COMPLETED** 14 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050161930 **LONGITUDE** -117.605216685  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					0.4		Soil Sample 62-13-5-1  Hand auger to 5 feet below bottom of asphalt.
5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					0.9		Soil Sample 62-13-5-5.5
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel		SM							
	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine gravel, ~5% nonplastic fines		SP					0.8		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	~60% sand, ~35% fine to coarse gravel, ~5% fines									
	~80% sand, ~15% fine gravel, ~5% fines							1.0		Soil sample depths collected with reference to bottom of asphalt.
15	Total Depth = 15.0 feet.									

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-13-6

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 14 Mar 2022 **COMPLETED** 14 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050176685 **LONGITUDE** -117.604903107  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 4" base below

GSI - SOIL BORING - TRYTHIS TEMPLATE: GDT - 6/7/22 17:01 - C:\USERS\FANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.8		Soil Sample 62-13-6-1  Hand auger to 5 feet below bottom of asphalt.
5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines		SP					1.6		Soil Sample 62-13-6-5.5
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines		SP					1.9		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15								1.6		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 62-13-7

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 14 Mar 2022 **COMPLETED** 14 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050122675 **LONGITUDE** -117.605016827  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt with 4" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE: GDT - 6/7/22 17:01 - C:\USERS\FANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				1.0		Soil Sample 62-13-7-1  Hand auger to 5 feet below bottom of asphalt.
5 - 10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Black wedge]				1.1		Soil Sample 62-13-7-5.5  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): light yellowish brown (2.5Y 6/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X-pattern]				1.4		
15	~75% sand, ~20% gravel, ~5% fines			[X-pattern]				1.0		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-2-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 2 Mar 2022 **COMPLETED** 2 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050374831 **LONGITUDE** -117.600395751  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** soil **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand and fine gravel	[Yellow dotted pattern]	SM	[Black fill]				5.4		Soil Sample 68-2-1-1  Hand auger to 5 feet below ground surface.
5 - 10	Increased moisture, ~75% sand, ~25% low to medium plasticity fines							4.5		Soil Sample 68-2-1-5.5
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~20% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X-pattern]				4.8		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15								5.5		

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-2-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 2 Mar 2022 **COMPLETED** 2 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050396341 **LONGITUDE** -117.600373997  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 9" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:12 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6825\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				2.0		Soil Sample 68-2-2-1
5 - 5.5	Increased moisture, ~75% sand, ~25% low to medium plasticity fines							3.9		Soil Sample 68-2-2-5.5
5.5 - 15	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X-pattern]				4.4		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15								5.0		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-2-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 3 Mar 2022 **COMPLETED** 3 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050396350 **LONGITUDE** -117.600327874  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:12 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6825\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine to coarse gravel		SM					1.5		Soil Sample 68-2-3-1  Hand auger to 5 feet below bottom of asphalt.
5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines		SP					1.8		Soil Sample 68-2-3-5.5
10 - 15	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/4), moist, ~60% fines, ~40% fine sand, medium plasticity, firm, slow dilatancy, medium dry strength		CL					3.0		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15	<p>Total Depth = 15.0 feet.</p> <p>Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.</p> <p>Note: The boring was backfilled with cement-bentonite grout from total depth to near ground surface and patched with concrete.</p>									



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# Log of Soil Boring: 68-6-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 7 Mar 2022 **COMPLETED** 7 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.049946495 **LONGITUDE** -117.600341502  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 7" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines	[Yellow dotted pattern]	SM	[Black triangle]				2.9		Soil Sample 68-6-1-1  Hand auger to 5 feet below bottom of concrete.
5 - 7	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[X symbol]				1.9		Soil Sample 68-6-1-5.5
7 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				2.7		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10 - 15				[X symbol]				2.6		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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# Log of Soil Boring: 68-6-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 7 Mar 2022 **COMPLETED** 7 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.049617797 **LONGITUDE** -117.600340832  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6825\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black fill]				2.2		Soil Sample 68-6-2-1  Hand auger to 5 feet below bottom of concrete.
5 - 10	~85% sand, ~15% fines	[Yellow dotted pattern]		[White fill]				4.9		Soil Sample 68-6-2-5.5
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/3), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White fill]				3.7		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~70% fine sand, ~30% low plasticity fines, trace medium sand	[Yellow dotted pattern]	SM	[White fill]				4.4		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-7-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 7 Mar 2022 **COMPLETED** 7 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.049784203 **LONGITUDE** -117.600519742  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 5" base below

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
2.9	POORLY GRADED SAND WITH GRAVEL (SP): olive brown (2.5Y 4/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[Black wedge]				2.9		Soil Sample 68-7-1-1
5.1	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines, trace coarse gravel	[Yellow dotted pattern]	SP	[Black wedge]				5.1		Soil Sample 68-7-1-5.5
10.2	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand	[Yellow vertical lines]	SM	[X symbol]						PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10.2	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				2.2		
15.0				[X symbol]				4.5		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: 68-7-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 7 Mar 2022 **COMPLETED** 7 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.049785674 **LONGITUDE** -117.600186114  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 4" base below

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				2.4		Soil Sample 68-7-2-1  Hand auger to 5 feet below bottom of asphalt.
5 - 10	~85% sand, ~15% fines			[X marks]				5.3		Soil Sample 68-7-2-5.5
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X marks]				5.1		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.  Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-12-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 2 Mar 2022 **COMPLETED** 2 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.050385263 **LONGITUDE** -117.601829160  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** soil **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
1.7	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to medium sand, ~15% low plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM					1.7		Soil Sample 68-12-1-1
2.2	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP					2.2		Hand auger to 5 feet below ground surface. Soil Sample 68-12-1-3
2.9	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM					2.9		Soil Sample 68-12-1-6
3.1	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP					3.1		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-12-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 2 Mar 2022 **COMPLETED** 2 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.050303596 **LONGITUDE** -117.601817828  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 7" concrete **BORING DIAMETER (in)** 3.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0.9	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to medium sand, ~15% low plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM					0.9		Soil Sample 68-12-2-1
1.3	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP					1.3		Soil Sample 68-12-2-3 PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
1.8								1.8		Soil Sample 68-12-2-6
1.5	SILTY SAND (SM): light olive brown (2.5Y 5/6), moist, ~75% fine to medium sand, ~25% low to medium plasticity fines, trace coarse sand, trace fine gravel	[Yellow dotted pattern]	SM					1.5		Hand auger to 10 feet below bottom of concrete.  Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-17-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 8 Mar 2022 **COMPLETED** 8 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.049801334 **LONGITUDE** -117.601343189  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 3.6	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM					1.2		Soil Sample 68-17-1-1
3.6 - 5.5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP					3.6		Soil Sample 68-17-1-5.5
5.5 - 10.0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM					1.4		Hand auger to 10 feet below bottom of concrete. Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-17-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 8 Mar 2022 **COMPLETED** 8 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.049747035 **LONGITUDE** -117.601343291  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					1.0		Soil Sample 68-17-2-1
5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					1.7		Soil Sample 68-17-2-5.5
10	<p>Total Depth = 10.0 feet.</p> <p>Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.</p>									



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# Log of Soil Boring: 68-17-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 8 Mar 2022 **COMPLETED** 8 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.049723211 **LONGITUDE** -117.601370183  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" concrete **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.6		Soil Sample 68-17-3-1
5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					5.9		Soil Sample 68-17-3-5.5
10	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					4.1		Soil sample depths collected with reference to bottom of concrete.

Total Depth = 10.0 feet.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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# Log of Soil Boring: 68-17-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 7 Mar 2022 **COMPLETED** 7 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Hand Auger **LATITUDE** 34.049660923 **LONGITUDE** -117.601370651  
**DRILLING EQUIPMENT** Hand Auger **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt with 4" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
3	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines		SM					0.9		Hand auger to 3 feet below bottom of asphalt. Soil Sample 68-17-4-1 Soil sample depths collected with reference to bottom of asphalt.  Soil Sample 68-17-4-3  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel		SP					0.6		
<p>Total Depth = 3.0 feet.            Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.</p>										

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# Log of Soil Boring: 68-20-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 3 Mar 2022 **COMPLETED** 3 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.049726748 **LONGITUDE** -117.601525816  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 3" base below

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 4.5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to coarse sand, ~25% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				1.2		Soil Sample 68-20-1-1
4.5 - 5.5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Black triangle]				1.9		Hand auger to 5 feet below bottom of asphalt. Soil Sample 68-20-1-5.5
5.5 - 9.5	~85% sand, ~10% fine gravel, ~5% fines	[Yellow dotted pattern]		[X marks]				2.6		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
9.5 - 15.0	3-inch diameter gravel	[Yellow dotted pattern]		[X marks]				1.3		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-20-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 7 Mar 2022 **COMPLETED** 7 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.049664012 **LONGITUDE** -117.601522734  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
with 4" base below

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 4.5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				0.3		Soil Sample 68-20-2-1
4.5 - 5.5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Black triangle]				0.4		Hand auger to 5 feet below bottom of asphalt. Soil Sample 68-20-2-5.5
5.5 - 8.5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand and fine gravel	[Yellow dotted pattern]	SM	[X pattern]						
8.5 - 10.5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[X pattern]						PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
10.5 - 11.5	~85% sand, ~10% fine gravel, ~5% fines	[Yellow dotted pattern]		[X pattern]				0.5		
11.5 - 12.5	3-inch diameter gravel	[Yellow dotted pattern]		[X pattern]						
12.5 - 15.0		[Yellow dotted pattern]		[X pattern]				0.5		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 68-20-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 7 Mar 2022 **COMPLETED** 7 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.049652485 **LONGITUDE** -117.601449277  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt with 4" base below **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP					0.6		Soil Sample 68-20-3-1
5 - 10	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~70% fine to medium sand, ~30% low plasticity fines, trace coarse sand Dark olive brown (2.5Y 3/3)	[Yellow dotted pattern]	SM					1.1		Soil Sample 68-20-3-5.5
10 - 15	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines Light olive brown (2.5Y 5/4)	[Yellow dotted pattern]	SP					0.7		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15								1.1		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-22-1-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 8 Mar 2022 **COMPLETED** 8 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.048722569 **LONGITUDE** -117.600436259  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace gravel		SM					1.4		Soil Sample 68-22-1-1-1
5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines		SP					2.8		Hand auger to 5 feet below bottom of asphalt.  Soil Sample 68-22-1-1-5.5
10 - 15	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand		SM					3.0		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.  Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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 Telephone: 949-679-1070

# Log of Soil Boring: 68-22-1-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 8 Mar 2022 **COMPLETED** 8 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** 34.048690368 **LONGITUDE** -117.600399280  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE - GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6825\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				2.3		Soil Sample 68-22-1-2-1
5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White box]				3.2		Hand auger to 5 feet below bottom of asphalt. Soil Sample 68-22-1-2-5.5
10 - 15	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand	[Yellow dotted pattern]	SM	[White box]				2.8		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags. Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.  
 Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-22-Shed1-1

**CLIENT** Mr. William Winters  
**GSI JOB NUMBER** 5925  
**DATE STARTED** 8 Mar 2022 **COMPLETED** 8 Mar 2022  
**DRILLING CONTRACTOR** Interphase Environmental, Inc.  
**DRILLING METHOD** Direct Push with Dual Tube Coring System  
**DRILLING EQUIPMENT** Geoprobe 6600  
**GROUND SURFACE** 4" asphalt with 5" base below **BORING DIAMETER (in)** 3.25 / 2.25

**PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**PROJECT LOCATION** Ontario Airport, Ontario, California  
**GROUND ELEVATION** Ground Surface **DATUM** NA  
**TOP OF CASING ELEVATION** NA **DATUM** NA  
**LATITUDE** NA **LONGITUDE** NA  
**LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE: GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6825\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				1.2		Soil Sample 68-22-Shed1-1-1  Hand auger to 5 feet below bottom of asphalt.
5 - 10	~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]						2.4		Soil Sample 68-22-Shed1-1-5.5
10 - 15	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[X symbol]				3.6		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15 - 15.5	Light olive brown (2.5Y 5/4), ~85% sand, ~10% fine to coarse gravel, ~5% fines	[Yellow dotted pattern]		[X symbol]				2.4		Soil sample depths collected with reference to bottom of asphalt.
15 - 15.5	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~70% fine to medium sand, ~30% low plasticity fines	[Yellow dotted pattern]	SM	[X symbol]				2.4		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.



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# Log of Soil Boring: 68-22-Shed1-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 10 Mar 2022 **COMPLETED** 10 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6825\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine to coarse gravel, trace roots  Roots absent	[Yellow dotted pattern]	SM	[Black wedge]				0.6		Soil Sample 68-22-Shed1-2-1
5 - 10	Light olive brown (2.5Y 5/4)  2-inch diameter gravel	[Yellow dotted pattern]		[White with X]				1.1		Soil Sample 68-22-Shed1-2-5.5
10 - 15	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White with X]				2.4		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
15	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand	[Yellow dotted pattern]	SM	[White with X]				1.9		Soil sample depths collected with reference to bottom of asphalt.

Total Depth = 15.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite hydrated in 1-foot lifts from total depth to near ground surface and patched with concrete.





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# Log of Soil Boring: SV-1

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Mar 2022 **COMPLETED** 23 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black fill]				2.3		Soil Sample SV-1-1  Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 10	~75% fine to medium sand, ~25% fines, trace coarse sand and fine gravel	[Yellow dotted pattern]		[White fill]				2.2		Soil Sample SV-1-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White fill]				3.7		Soil sample depths collected with reference to bottom of asphalt.
	~60% sand, ~35% fine to coarse gravel, ~5% fines	[Yellow dotted pattern]		[White fill]				3.6		Soil Sample SV-1-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-2

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 17 Mar 2022 **COMPLETED** 17 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
2.1	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Dotted pattern]	SM	SM				2.1		Soil Sample SV-2-1
2.2								2.2		Hand auger to 5 feet below bottom of asphalt.
2.9	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~55% fine to coarse sand, ~40% fine to coarse gravel, ~5% nonplastic fines	[Dotted pattern]	SP	SP				2.9		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
3.7								3.7		Soil Sample SV-2-5.5
										Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
										Soil sample depths collected with reference to bottom of asphalt.
										Soil Sample SV-2-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-3

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 24 Feb 2022 **COMPLETED** 24 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 10" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 4	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Dotted pattern]	SP	[Solid black]				1.4		Soil Sample SV-3-1  Hand auger to 4 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
4 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand	[Vertical lines]	SM	[X pattern]				2.1		Soil Sample SV-3-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
5 - 10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine gravel, ~5% nonplastic fines	[Dotted pattern]	SP	[X pattern]				1.3		Soil Sample SV-3-13  Soil sample depths collected with reference to bottom of asphalt.
10 - 15								0.9		

Total Depth = 15.5 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-4

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Mar 2022 **COMPLETED** 23 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM					1.9		Soil Sample SV-4-1  Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]						2.7		Soil Sample SV-4-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~80% fine to coarse sand, ~15% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP					2.2		Soil sample depths collected with reference to bottom of asphalt.
15	~60% sand, ~35% gravel, ~5% fines	[Yellow dotted pattern]						2.8		Soil Sample SV-4-14

Total Depth = 15.5 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-5

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 17 Mar 2022 **COMPLETED** 17 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 6/7/22 17:01 - C:\USERS\FANDERSON\DESKTOP\GSI WORK FILES\GINT\WORKING\5925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
2.4	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Dotted pattern]	SM					2.4		Soil Sample SV-5-1
2.3	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines	[Dotted pattern]	SP					2.3		PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
4.7	POORLY GRADED SAND WITH GRAVEL (SP): light yellowish brown (2.5Y 6/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	[Dotted pattern]	SP					4.7		Soil Sample SV-5-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
3.9								3.9		Soil sample depths collected with reference to bottom of asphalt. Soil Sample SV-5-14

Total Depth = 15.5 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-6

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Mar 2022 **COMPLETED** 23 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 2" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black fill]				0.7		Soil Sample SV-6-1  Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 10	~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]		[White fill]				1.3		Soil Sample SV-6-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): light yellowish brown (2.5Y 6/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White fill]				1.7		
15 - 15.5	SILTY SAND (SM): yellowish brown (10YR 5/4), moist, ~85% fine to medium sand, ~15% low plasticity fines, trace coarse sand	[Yellow dotted pattern]	SM	[White fill]				1.8		Soil sample depths collected with reference to bottom of asphalt.  Soil Sample SV-6-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-7

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 23 Mar 2022 **COMPLETED** 23 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black fill]				1.1		Soil Sample SV-7-1  Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 10	~75% fine to medium sand, ~25% fines, trace coarse sand and fine gravel	[Yellow dotted pattern]		[X pattern]				3.9		Soil Sample SV-7-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 4/4), moist, ~80% fine to coarse sand, ~15% fine gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X pattern]				3.0		
15 - 15.5	~60% sand, ~35% fine to coarse gravel, ~5% fines	[Yellow dotted pattern]		[X pattern]				3.2		Soil sample depths collected with reference to bottom of asphalt.  Soil Sample SV-7-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-8

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 17 Mar 2022 **COMPLETED** 17 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 1.4	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black triangle]				1.4		Soil Sample SV-8-1
1.4 - 2.9	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~85% fine to coarse sand, ~10% fine gravel, ~5% nonplastic fines, trace coarse gravel	[Yellow dotted pattern]	SP	[Black triangle]				2.9		Hand auger to 5 feet below bottom of asphalt. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
2.9 - 4.7	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines	[Yellow dotted pattern]	SM	[X symbol]				4.7		Soil Sample SV-8-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
4.7 - 3.7	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[X symbol]				3.7		Soil sample depths collected with reference to bottom of asphalt. Soil Sample SV-8-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.





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# Log of Soil Boring: SV-9

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 24 Feb 2022 **COMPLETED** 24 Feb 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 3" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
5	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Black wedge]				1.5		Soil Sample SV-9-1  Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand	[Yellow dotted pattern]	SM	[X symbol]				1.7		Soil Sample SV-9-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X symbol]				2.8		Soil sample depths collected with reference to bottom of asphalt.
15				[X symbol]				2.7		Soil Sample SV-9-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-11

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 3 Mar 2022 **COMPLETED** 3 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 5" base below

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
1.9	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to medium sand, ~5% nonplastic fines, trace coarse sand, trace fine gravel		SP					1.9		Soil Sample SV-11-1  Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
2.0								2.0		Soil Sample SV-11-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~75% fine to coarse sand, ~20% fine gravel, ~5% nonplastic fines		SP							Soil sample depths collected with reference to bottom of asphalt.
2.1								2.1		Soil Sample SV-11-16.5

Total Depth = 17.0 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

Note: The boring was backfilled with granular bentonite from 17 feet to 15.5 feet before constructing the dual-nested soil vapor probes.



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# Log of Soil Boring: SV-12

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 3 Mar 2022 **COMPLETED** 3 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** soil **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes					
0.7	POORLY GRADED SAND (SP): olive brown (2.5Y 4/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[Diagram: Solid black triangle]	[Diagram: No data]	[Diagram: No data]	[Diagram: No data]	0.7	[Diagram: No data]	Soil Sample SV-12-1  Hand auger to 5 feet below ground surface.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.					
5.5	~85% sand, ~10% fine gravel, ~5% fines									[Diagram: No data]	[Diagram: No data]	[Diagram: No data]	[Diagram: No data]	1.3	Soil Sample SV-12-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10.0	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~65% fine to coarse sand, ~30% fine to coarse gravel, ~5% nonplastic fines									[Diagram: No data]	[Diagram: No data]	[Diagram: No data]	[Diagram: No data]	[Diagram: No data]	2.0
15.0	Light yellowish brown (2.5Y 6/3)	[Diagram: No data]	[Diagram: No data]	[Diagram: No data]	[Diagram: No data]	[Diagram: No data]	[Diagram: No data]	2.3	Soil Sample SV-12-15						

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-13

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 3 Mar 2022 **COMPLETED** 3 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6620DT **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** soil **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
1.6	SILTY SAND (SM): light olive brown (2.5Y 5/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand and fine gravel	[Dotted pattern]	SM	[Solid black]				1.6		Soil Sample SV-13-1  Hand auger to 5 feet below ground surface.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
4.3								4.3		Soil Sample SV-13-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
5.5	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Dotted pattern]	SP	[X symbol]						
10.0	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand	[Dotted pattern]	SM	[X symbol]				3.3		
15.0	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~70% fine to coarse sand, ~25% fine to coarse gravel, ~5% nonplastic fines	[Dotted pattern]	SP	[X symbol]				4.0		Soil Sample SV-13-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-14

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 22 Mar 2022 **COMPLETED** 22 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black fill]				0.9		Soil Sample SV-14-1  Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 15	~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]		[White fill]				1.3		Soil Sample SV-14-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
15	POORLY GRADED SAND (SP): light yellowish brown (2.5Y 6/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White fill]				1.5		Soil sample depths collected with reference to bottom of asphalt.
15				[White fill]				1.2		Soil Sample SV-14-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-15

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 22 Mar 2022 **COMPLETED** 22 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel		SM					2.0		Soil Sample SV-15-1  Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand							1.7		Soil Sample SV-15-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10	~80% fine to coarse sand, ~15% fines, ~5% fine gravel ~75% fine to medium sand, ~25% fines, trace coarse sand							2.7		Soil sample depths collected with reference to bottom of asphalt.
15	~85% sand, ~15% fines							1.7		Soil Sample SV-15-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-16

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 22 Mar 2022 **COMPLETED** 22 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878  
 with 6" base below followed by 1' of asphalt

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Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~75% fine to medium sand, ~25% low plasticity fines, trace coarse sand	[Yellow dotted pattern]	SM	[Black wedge]				4.3		Soil Sample SV-16-1  Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 10	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White with X]				4.8		Soil Sample SV-16-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10 - 15	POORLY GRADED SAND WITH GRAVEL (SP): light olive brown (2.5Y 5/4), moist, ~60% fine to coarse sand, ~35% fine to coarse gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White with X]				3.8		Soil sample depths collected with reference to bottom of asphalt.
15								3.1		Soil Sample SV-16-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



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# Log of Soil Boring: SV-17

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 22 Mar 2022 **COMPLETED** 22 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 6" asphalt **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE - GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
2.4	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black fill]				2.4		Soil Sample SV-17-1  Hand auger to 5 feet below bottom of asphalt.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5	~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]		[White fill]				2.5		Soil Sample SV-17-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of asphalt. Soil vapor probes constructed using 1/4-in Nylaflow tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
3.8	POORLY GRADED SAND (SP): light yellowish brown (2.5Y 6/3), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[White fill]				3.8		Soil sample depths collected with reference to bottom of asphalt.
4.1		[Yellow dotted pattern]		[White fill]				4.1		Soil Sample SV-17-15

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.





GSI Environmental Inc.  
 19200 Von Karman, Ste. 800  
 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: SV-18

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 22 Mar 2022 **COMPLETED** 22 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 5" gravel **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHIS TEMPLATE - GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 1.7	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black fill]				1.7		Soil Sample SV-18-1
1.7 - 3.0	~75% fine to medium sand, ~25% fines, trace coarse sand	[Yellow dotted pattern]		[Black fill]				3.0		Hand auger to 5 feet below bottom of gravel. PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
3.0 - 4.2	~85% sand, ~15% fines	[Yellow dotted pattern]		[White fill]				4.2		Soil Sample SV-18-5.5 Temporary soil vapor probes installed at 5 and 15 ft below the bottom of gravel. Soil vapor probes constructed using 1/4-in Nylaflo tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
4.2 - 5.9	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/3), moist, ~95% fine to coarse sand, ~5% nonplastic fines, trace fine gravel	[Yellow dotted pattern]	SP	[White fill]				5.9		Soil sample depths collected with reference to bottom of gravel.
5.9 - 15.5	~85% sand, ~10% fine to coarse gravel, ~5% fines	[Yellow dotted pattern]		[White fill]						Soil Sample SV-18-14

Total Depth = 15.5 feet.

Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.



GSI Environmental Inc.  
 19200 Von Karman, Ste. 800  
 Irvine, CA 92612  
 Telephone: 949-679-1070

# Log of Soil Boring: SV-19

**CLIENT** Mr. William Winters **PROJECT NAME** Proposed Cargo Distribution Center - ONT Airport  
**GSI JOB NUMBER** 5925 **PROJECT LOCATION** Ontario Airport, Ontario, California  
**DATE STARTED** 22 Mar 2022 **COMPLETED** 22 Mar 2022 **GROUND ELEVATION** Ground Surface **DATUM** NA  
**DRILLING CONTRACTOR** Interphase Environmental, Inc. **TOP OF CASING ELEVATION** NA **DATUM** NA  
**DRILLING METHOD** Direct Push with Dual Tube Coring System **LATITUDE** NA **LONGITUDE** NA  
**DRILLING EQUIPMENT** Geoprobe 6600 **LOGGED BY** J. Voss, GIT **REVIEWED BY** J. Voss, GIT  
**GROUND SURFACE** 4" gravel **BORING DIAMETER (in)** 3.25 / 2.25 **APPROVED BY** V. Robino, PG 7878

GSI - SOIL BORING - TRYTHISTEMPLATE.GDT - 27/6/22 10:10 - C:\USERS\FANDERSON\DESKTOP\GSI\WORK FILES\GINT\WORKING\6925\_EFA.GPJ

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/6 inches	Recovery	Lab Sample	PID (ppm)	Water Level	Notes
0 - 5	SILTY SAND (SM): olive brown (2.5Y 4/4), moist, ~85% fine to coarse sand, ~15% low plasticity fines, trace fine gravel	[Yellow dotted pattern]	SM	[Black wedge]				0.7		Soil Sample SV-19-1  Hand auger to 5 feet below bottom of gravel.  PID: MiniRAE 3000 calibrated to 100 ppm Isobutylene standard. PID readings are headspace readings of soil in resealable plastic bags.
5 - 10	~75% fine to medium sand, ~25% fines	[Yellow dotted pattern]		[X marks]				1.6		Soil Sample SV-19-5.5  Temporary soil vapor probes installed at 5 and 15 ft below the bottom of gravel. Soil vapor probes constructed using 1/4-in Nylaflo tubing connected to a 4-in porous probe tip centered in a 1-ft thick layer of filter sand pack. A 6-in layer of dry bentonite was placed above each sand pack layer, followed by hydrated bentonite to the bottom of the next sand interval or ground surface. Surface completed with 6-inch traffic rated Emco Wheaton well box.
10 - 15	POORLY GRADED SAND (SP): light olive brown (2.5Y 5/4), moist, ~90% fine to coarse sand, ~5% fine gravel, ~5% nonplastic fines	[Yellow dotted pattern]	SP	[X marks]				5.1		Soil sample depths collected with reference to bottom of gravel.
15				[X marks]				5.9		Soil Sample SV-19-14

Total Depth = 15.5 feet.  
 Note: Where soil was not recovered from continuous coring activities, geologic interpretations are based on the lithology above and/or below the no sample interval, as well as observations made in the field.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

**APPENDIX C**

Soil Analytical Laboratory Reports

March 04, 2022

Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

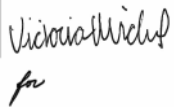
ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200233  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on February 23, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 03/04/22 10:59 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/04/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61C-4-1-1	2200233-01	Soil	2/23/22 9:25	2/23/22 18:05
61C-4-1-5	2200233-02	Soil	2/23/22 9:55	2/23/22 18:05
61C-4-3-1	2200233-03	Soil	2/23/22 10:23	2/23/22 18:05
61C-4-3-5.5	2200233-04	Soil	2/23/22 10:35	2/23/22 18:05
61C-4-2-1.5	2200233-05	Soil	2/23/22 11:24	2/23/22 18:05
61C-4-2-5.5	2200233-06	Soil	2/23/22 11:35	2/23/22 18:05
61C-4-4-1	2200233-07	Soil	2/23/22 12:15	2/23/22 18:05
61C-4-4-5.5	2200233-08	Soil	2/23/22 12:28	2/23/22 18:05
61C-4-5-1	2200233-09	Soil	2/23/22 12:50	2/23/22 18:05
61C-4-5-5.5	2200233-10	Soil	2/23/22 13:00	2/23/22 18:05
61C-8-1-1	2200233-11	Soil	2/23/22 13:18	2/23/22 18:05
61C-8-1-5.5	2200233-12	Soil	2/23/22 13:44	2/23/22 18:05
61C-8-2-1	2200233-13	Soil	2/23/22 14:10	2/23/22 18:05
61C-8-2-5.5	2200233-14	Soil	2/23/22 14:30	2/23/22 18:05
TB-20220223	2200233-15	Water	2/23/22 14:47	2/23/22 18:05



# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/04/2022

## Notes and Definitions

- R RPD value outside acceptance criteria. Calculation is based on raw values.
- MO Manufacturer omitted analyte within the stock standard.
- L5 Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
- L4 Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
- L3 Laboratory control sample outside in-house established limits but within method criteria.
- B6 Associated method blank above PQL, analyte non-detected. Therefore, reanalysis is not necessary.
- B Analyte detected in the associated method blank above the PQL.
- ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)

- Notes:
- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
  - (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
  - (3) Results are wet unless otherwise specified.

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time	Notes
								Analyzed	
2200233-01	61C-4-1-1	ND	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:08	
2200233-03	61C-4-3-1	ND	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:28	
2200233-05	61C-4-2-1.5	ND	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:31	
2200233-07	61C-4-4-1	ND	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:34	
2200233-09	61C-4-5-1	ND	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:37	
2200233-11	61C-8-1-1	ND	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:47	
2200233-13	61C-8-2-1	ND	mg/kg	0.10	1	B2B1212	02/28/2022	02/28/22 15:50	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-4-1-1**  
**Lab ID: 2200233-01**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
<b>Barium</b>	<b>60</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
<b>Beryllium</b>	<b>2.3</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
<b>Chromium</b>	<b>46</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
<b>Cobalt</b>	<b>5.2</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
<b>Copper</b>	<b>9.9</b>	2.0	1	B2B1224	02/28/2022	02/28/22 17:40	
<b>Lead</b>	<b>10</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
<b>Nickel</b>	<b>13</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
<b>Silver</b>	<b>4.5</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
<b>Vanadium</b>	<b>32</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	
<b>Zinc</b>	<b>130</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:40	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-4-1-5**  
**Lab ID: 2200233-02**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.90	1	B2B1217	02/26/2022	02/26/22 01:15	
C4-C12	ND	0.90	1	B2B1217	02/26/2022	02/26/22 01:15	
C6-C12	ND	0.90	1	B2B1217	02/26/2022	02/26/22 01:15	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.2 %</i>	<i>47.6 - 121.18</i>		B2B1217	02/26/2022	02/26/22 01:15	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 20:53	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 20:53	
<i>Surrogate: p-Terphenyl</i>	<i>114 %</i>	<i>62 - 141</i>		B2B1237	02/28/2022	02/28/22 20:53	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1,1-Trichloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1,2-Trichloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1-Dichloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1-Dichloroethene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,1-Dichloropropene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2,3-Trichloropropane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2,3-Trichlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2,4-Trichlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2,4-Trimethylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2-Dibromo-3-chloropropane	ND	10	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2-Dibromoethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2-Dichlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2-Dichloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,2-Dichloropropane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,3,5-Trimethylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,3-Dichlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,3-Dichloropropane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
1,4-Dichlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
2,2-Dichloropropane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
2-Chlorotoluene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
4-Chlorotoluene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
4-Isopropyltoluene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-4-1-5**  
**Lab ID: 2200233-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Bromobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Bromochloromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Bromodichloromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Bromoform	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Bromomethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Carbon disulfide	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Carbon tetrachloride	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Chlorobenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Chloroethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Chloroform	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Chloromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
cis-1,2-Dichloroethene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
cis-1,3-Dichloropropene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Di-isopropyl ether	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Dibromochloromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Dibromomethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Dichlorodifluoromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Ethyl Acetate	ND	51	1	B2B1236	02/28/2022	02/28/22 20:20	
Ethyl Ether	ND	51	1	B2B1236	02/28/2022	02/28/22 20:20	
Ethyl tert-butyl ether	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Ethylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Freon-113	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Hexachlorobutadiene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Isopropylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
m,p-Xylene	ND	10	1	B2B1236	02/28/2022	02/28/22 20:20	
<b>Methylene chloride</b>	<b>12</b>	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
MTBE	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
n-Butylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
n-Propylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Naphthalene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
o-Xylene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
sec-Butylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Styrene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
tert-Amyl methyl ether	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
tert-Butanol	ND	100	1	B2B1236	02/28/2022	02/28/22 20:20	
tert-Butylbenzene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Tetrachloroethene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Toluene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
trans-1,2-Dichloroethene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
trans-1,3-Dichloropropene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/04/2022

**Client Sample ID: 61C-4-1-5**

**Lab ID: 2200233-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Trichlorofluoromethane	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
Vinyl acetate	ND	51	1	B2B1236	02/28/2022	02/28/22 20:20	
Vinyl chloride	ND	5.1	1	B2B1236	02/28/2022	02/28/22 20:20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>132 %</i>	<i>66 - 200</i>		B2B1236	02/28/2022	02/28/22 20:20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.6 %</i>	<i>50 - 146</i>		B2B1236	02/28/2022	02/28/22 20:20	
<i>Surrogate: Dibromofluoromethane</i>	<i>118 %</i>	<i>77 - 159</i>		B2B1236	02/28/2022	02/28/22 20:20	
<i>Surrogate: Toluene-d8</i>	<i>98.3 %</i>	<i>81 - 128</i>		B2B1236	02/28/2022	02/28/22 20:20	

**Client Sample ID: 61C-4-3-1**

**Lab ID: 2200233-03**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
<b>Barium</b>	<b>95</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
<b>Beryllium</b>	<b>2.9</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
<b>Chromium</b>	<b>15</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
<b>Cobalt</b>	<b>5.4</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
<b>Copper</b>	<b>9.5</b>	2.0	1	B2B1224	02/28/2022	02/28/22 17:46	
<b>Lead</b>	<b>2.5</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
<b>Nickel</b>	<b>6.4</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
<b>Silver</b>	<b>5.8</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
<b>Vanadium</b>	<b>34</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	
<b>Zinc</b>	<b>36</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:46	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/04/2022

**Client Sample ID: 61C-4-3-5.5**  
**Lab ID: 2200233-04**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.81	1	B2B1217	02/26/2022	02/26/22 01:40	
C4-C12	ND	0.81	1	B2B1217	02/26/2022	02/26/22 01:40	
C6-C12	ND	0.81	1	B2B1217	02/26/2022	02/26/22 01:40	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.4 %</i>	<i>47.6 - 121.18</i>		B2B1217	02/26/2022	02/26/22 01:40	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 21:13	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 21:13	
<i>Surrogate: p-Terphenyl</i>	<i>134 %</i>	<i>62 - 141</i>		B2B1237	02/28/2022	02/28/22 21:13	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1,1-Trichloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1,2-Trichloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1-Dichloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1-Dichloroethene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,1-Dichloropropene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2,3-Trichloropropane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2,3-Trichlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2,4-Trichlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2,4-Trimethylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2-Dibromoethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2-Dichlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2-Dichloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,2-Dichloropropane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,3,5-Trimethylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,3-Dichlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,3-Dichloropropane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
1,4-Dichlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
2,2-Dichloropropane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
2-Chlorotoluene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
4-Chlorotoluene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
4-Isopropyltoluene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-4-3-5.5**  
**Lab ID: 2200233-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Bromobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Bromochloromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Bromodichloromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Bromoform	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Bromomethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Carbon disulfide	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Carbon tetrachloride	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Chlorobenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Chloroethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Chloroform	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Chloromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
cis-1,2-Dichloroethene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
cis-1,3-Dichloropropene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Di-isopropyl ether	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Dibromochloromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Dibromomethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Dichlorodifluoromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Ethyl Acetate	ND	44	1	B2B1214	02/25/2022	02/25/22 23:45	
Ethyl Ether	ND	44	1	B2B1214	02/25/2022	02/25/22 23:45	
Ethyl tert-butyl ether	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Ethylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Freon-113	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Hexachlorobutadiene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Isopropylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
m,p-Xylene	ND	8.8	1	B2B1214	02/25/2022	02/25/22 23:45	
Methylene chloride	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
MTBE	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
n-Butylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
n-Propylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Naphthalene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
o-Xylene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
sec-Butylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Styrene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
tert-Amyl methyl ether	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
tert-Butanol	ND	88	1	B2B1214	02/25/2022	02/25/22 23:45	
tert-Butylbenzene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Tetrachloroethene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Toluene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
trans-1,2-Dichloroethene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
trans-1,3-Dichloropropene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Josh Voss

Irvine , CA 92612

Reported : 03/04/2022

**Client Sample ID: 61C-4-3-5.5**

**Lab ID: 2200233-04**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Trichlorofluoromethane	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
Vinyl acetate	ND	44	1	B2B1214	02/25/2022	02/25/22 23:45	
Vinyl chloride	ND	4.4	1	B2B1214	02/25/2022	02/25/22 23:45	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>116 %</i>	<i>66 - 200</i>		B2B1214	02/25/2022	02/25/22 23:45	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.8 %</i>	<i>50 - 146</i>		B2B1214	02/25/2022	02/25/22 23:45	
<i>Surrogate: Dibromofluoromethane</i>	<i>107 %</i>	<i>77 - 159</i>		B2B1214	02/25/2022	02/25/22 23:45	
<i>Surrogate: Toluene-d8</i>	<i>95.1 %</i>	<i>81 - 128</i>		B2B1214	02/25/2022	02/25/22 23:45	

**Client Sample ID: 61C-4-2-1.5**

**Lab ID: 2200233-05**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
<b>Barium</b>	<b>86</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
<b>Chromium</b>	<b>13</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
<b>Cobalt</b>	<b>5.3</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
<b>Copper</b>	<b>8.3</b>	2.0	1	B2B1224	02/28/2022	02/28/22 17:48	
<b>Lead</b>	<b>2.4</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
<b>Nickel</b>	<b>5.7</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
<b>Silver</b>	<b>5.0</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
<b>Vanadium</b>	<b>31</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	
<b>Zinc</b>	<b>33</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:48	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/04/2022

**Client Sample ID: 61C-4-2-5.5**

**Lab ID: 2200233-06**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.84	1	B2B1217	02/26/2022	02/26/22 02:04	
C4-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 02:04	
C6-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 02:04	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>47.6 - 121.18</i>		B2B1217	02/26/2022	02/26/22 02:04	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 21:33	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 21:33	
<i>Surrogate: p-Terphenyl</i>	<i>117 %</i>	<i>62 - 141</i>		B2B1237	02/28/2022	02/28/22 21:33	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: EL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1,1-Trichloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1,2-Trichloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1-Dichloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1-Dichloroethene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,1-Dichloropropene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2,3-Trichloropropane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2-Dibromoethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2-Dichlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2-Dichloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,2-Dichloropropane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,3-Dichlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,3-Dichloropropane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
1,4-Dichlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
2,2-Dichloropropane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
2-Chlorotoluene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
4-Chlorotoluene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
4-Isopropyltoluene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/04/2022

**Client Sample ID: 61C-4-2-5.5**

**Lab ID: 2200233-06**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: EL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Bromobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Bromochloromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Bromodichloromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Bromoform	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Bromomethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Carbon disulfide	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Carbon tetrachloride	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Chlorobenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Chloroethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Chloroform	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Chloromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
cis-1,2-Dichloroethene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
cis-1,3-Dichloropropene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Di-isopropyl ether	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Dibromochloromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Dibromomethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Dichlorodifluoromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Ethyl Acetate	ND	44	1	B2C0873	03/01/2022	03/01/22 14:17	
Ethyl Ether	ND	44	1	B2C0873	03/01/2022	03/01/22 14:17	
Ethyl tert-butyl ether	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Ethylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Freon-113	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Hexachlorobutadiene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Isopropylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
m,p-Xylene	ND	8.8	1	B2C0873	03/01/2022	03/01/22 14:17	
Methylene chloride	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
MTBE	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
n-Butylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
n-Propylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Naphthalene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
o-Xylene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
sec-Butylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Styrene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
tert-Amyl methyl ether	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
tert-Butanol	ND	88	1	B2C0873	03/01/2022	03/01/22 14:17	
tert-Butylbenzene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Tetrachloroethene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Toluene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
trans-1,2-Dichloroethene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
trans-1,3-Dichloropropene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-4-2-5.5**  
**Lab ID: 2200233-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: EL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Trichlorofluoromethane	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
Vinyl acetate	ND	44	1	B2C0873	03/01/2022	03/01/22 14:17	
Vinyl chloride	ND	4.4	1	B2C0873	03/01/2022	03/01/22 14:17	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>125 %</i>	<i>66 - 200</i>		B2C0873	03/01/2022	<i>03/01/22 14:17</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>50 - 146</i>		B2C0873	03/01/2022	<i>03/01/22 14:17</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>112 %</i>	<i>77 - 159</i>		B2C0873	03/01/2022	<i>03/01/22 14:17</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.7 %</i>	<i>81 - 128</i>		B2C0873	03/01/2022	<i>03/01/22 14:17</i>	

**Client Sample ID: 61C-4-4-1**  
**Lab ID: 2200233-07**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
<b>Barium</b>	<b>110</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
<b>Beryllium</b>	<b>3.0</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
<b>Chromium</b>	<b>16</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
<b>Cobalt</b>	<b>6.2</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
<b>Copper</b>	<b>11</b>	2.0	1	B2B1224	02/28/2022	02/28/22 17:50	
<b>Lead</b>	<b>2.8</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
<b>Nickel</b>	<b>7.2</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
<b>Silver</b>	<b>5.9</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
<b>Vanadium</b>	<b>36</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	
<b>Zinc</b>	<b>41</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:50	





## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/04/2022

**Client Sample ID: 61C-4-4-5.5**  
**Lab ID: 2200233-08**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.85	1	B2B1217	02/26/2022	02/26/22 02:28	
C4-C12	ND	0.85	1	B2B1217	02/26/2022	02/26/22 02:28	
C6-C12	ND	0.85	1	B2B1217	02/26/2022	02/26/22 02:28	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.4 %</i>	<i>47.6 - 121.18</i>		B2B1217	02/26/2022	02/26/22 02:28	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 21:54	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 21:54	
<i>Surrogate: p-Terphenyl</i>	<i>110 %</i>	<i>62 - 141</i>		B2B1237	02/28/2022	02/28/22 21:54	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1,1-Trichloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1,2-Trichloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1-Dichloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1-Dichloroethene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,1-Dichloropropene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2,3-Trichloropropane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2,3-Trichlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2,4-Trichlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2,4-Trimethylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2-Dibromo-3-chloropropane	ND	7.8	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2-Dibromoethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2-Dichlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2-Dichloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,2-Dichloropropane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,3,5-Trimethylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,3-Dichlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,3-Dichloropropane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
1,4-Dichlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
2,2-Dichloropropane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
2-Chlorotoluene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
4-Chlorotoluene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
4-Isopropyltoluene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-4-4-5.5**  
**Lab ID: 2200233-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Bromobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Bromochloromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Bromodichloromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Bromoform	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Bromomethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Carbon disulfide	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Carbon tetrachloride	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Chlorobenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Chloroethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Chloroform	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Chloromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
cis-1,2-Dichloroethene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
cis-1,3-Dichloropropene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Di-isopropyl ether	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Dibromochloromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Dibromomethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Dichlorodifluoromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Ethyl Acetate	ND	39	1	B2B1236	02/28/2022	02/28/22 18:36	
Ethyl Ether	ND	39	1	B2B1236	02/28/2022	02/28/22 18:36	
Ethyl tert-butyl ether	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Ethylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Freon-113	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Hexachlorobutadiene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Isopropylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
m,p-Xylene	ND	7.8	1	B2B1236	02/28/2022	02/28/22 18:36	
Methylene chloride	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
MTBE	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
n-Butylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
n-Propylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Naphthalene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
o-Xylene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
sec-Butylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Styrene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
tert-Amyl methyl ether	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
tert-Butanol	ND	78	1	B2B1236	02/28/2022	02/28/22 18:36	
tert-Butylbenzene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Tetrachloroethene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Toluene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
trans-1,2-Dichloroethene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
trans-1,3-Dichloropropene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-4-4-5.5**  
**Lab ID: 2200233-08**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Trichlorofluoromethane	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
Vinyl acetate	ND	39	1	B2B1236	02/28/2022	02/28/22 18:36	
Vinyl chloride	ND	3.9	1	B2B1236	02/28/2022	02/28/22 18:36	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>119 %</i>	<i>66 - 200</i>		B2B1236	02/28/2022	<i>02/28/22 18:36</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.5 %</i>	<i>50 - 146</i>		B2B1236	02/28/2022	<i>02/28/22 18:36</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>109 %</i>	<i>77 - 159</i>		B2B1236	02/28/2022	<i>02/28/22 18:36</i>	
<i>Surrogate: Toluene-d8</i>	<i>95.9 %</i>	<i>81 - 128</i>		B2B1236	02/28/2022	<i>02/28/22 18:36</i>	

**Client Sample ID: 61C-4-5-1**  
**Lab ID: 2200233-09**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
<b>Barium</b>	<b>98</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
<b>Beryllium</b>	<b>3.0</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
<b>Chromium</b>	<b>16</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
<b>Cobalt</b>	<b>7.3</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
<b>Copper</b>	<b>12</b>	2.0	1	B2B1224	02/28/2022	02/28/22 17:52	
<b>Lead</b>	<b>2.8</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
<b>Nickel</b>	<b>7.3</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
<b>Silver</b>	<b>5.8</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
<b>Vanadium</b>	<b>35</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	
<b>Zinc</b>	<b>46</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:52	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-4-5-5.5**  
**Lab ID: 2200233-10**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.76	1	B2B1217	02/26/2022	02/26/22 02:53	
C4-C12	ND	0.76	1	B2B1217	02/26/2022	02/26/22 02:53	
C6-C12	ND	0.76	1	B2B1217	02/26/2022	02/26/22 02:53	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>47.6 - 121.18</i>		B2B1217	02/26/2022	02/26/22 02:53	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 22:14	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 22:14	
<i>Surrogate: p-Terphenyl</i>	<i>127 %</i>	<i>62 - 141</i>		B2B1237	02/28/2022	02/28/22 22:14	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1,1-Trichloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1,2-Trichloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1-Dichloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1-Dichloroethene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,1-Dichloropropene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2,3-Trichloropropane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2,3-Trichlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2,4-Trichlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2,4-Trimethylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2-Dibromoethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2-Dichlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2-Dichloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,2-Dichloropropane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,3,5-Trimethylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,3-Dichlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,3-Dichloropropane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
1,4-Dichlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
2,2-Dichloropropane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
2-Chlorotoluene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
4-Chlorotoluene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
4-Isopropyltoluene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-4-5-5.5**  
**Lab ID: 2200233-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Bromobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Bromochloromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Bromodichloromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Bromoform	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Bromomethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Carbon disulfide	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Carbon tetrachloride	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Chlorobenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Chloroethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Chloroform	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Chloromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
cis-1,2-Dichloroethene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
cis-1,3-Dichloropropene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Di-isopropyl ether	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Dibromochloromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Dibromomethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Dichlorodifluoromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Ethyl Acetate	ND	37	1	B2B1236	02/28/2022	02/28/22 19:02	
Ethyl Ether	ND	37	1	B2B1236	02/28/2022	02/28/22 19:02	
Ethyl tert-butyl ether	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Ethylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Freon-113	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Hexachlorobutadiene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Isopropylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
m,p-Xylene	ND	7.3	1	B2B1236	02/28/2022	02/28/22 19:02	
Methylene chloride	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
MTBE	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
n-Butylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
n-Propylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Naphthalene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
o-Xylene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
sec-Butylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Styrene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
tert-Amyl methyl ether	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
tert-Butanol	ND	73	1	B2B1236	02/28/2022	02/28/22 19:02	
tert-Butylbenzene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Tetrachloroethene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Toluene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
trans-1,2-Dichloroethene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
trans-1,3-Dichloropropene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/04/2022

**Client Sample ID: 61C-4-5-5.5**

**Lab ID: 2200233-10**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Trichlorofluoromethane	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
Vinyl acetate	ND	37	1	B2B1236	02/28/2022	02/28/22 19:02	
Vinyl chloride	ND	3.7	1	B2B1236	02/28/2022	02/28/22 19:02	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>126 %</i>	<i>66 - 200</i>		B2B1236	02/28/2022	02/28/22 19:02	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.3 %</i>	<i>50 - 146</i>		B2B1236	02/28/2022	02/28/22 19:02	
<i>Surrogate: Dibromofluoromethane</i>	<i>112 %</i>	<i>77 - 159</i>		B2B1236	02/28/2022	02/28/22 19:02	
<i>Surrogate: Toluene-d8</i>	<i>98.9 %</i>	<i>81 - 128</i>		B2B1236	02/28/2022	02/28/22 19:02	

**Client Sample ID: 61C-8-1-1**

**Lab ID: 2200233-11**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
<b>Barium</b>	<b>86</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
<b>Chromium</b>	<b>16</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
<b>Cobalt</b>	<b>5.2</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
<b>Copper</b>	<b>10</b>	2.0	1	B2B1224	02/28/2022	02/28/22 17:54	
<b>Lead</b>	<b>3.1</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
<b>Nickel</b>	<b>6.1</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
<b>Silver</b>	<b>5.1</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
<b>Vanadium</b>	<b>31</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	
<b>Zinc</b>	<b>52</b>	1.0	1	B2B1224	02/28/2022	02/28/22 17:54	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-8-1-5.5**  
**Lab ID: 2200233-12**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:17	
C4-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:17	
C6-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:17	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.6 %</i>	<i>47.6 - 121.18</i>		B2B1217	02/26/2022	02/26/22 03:17	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 22:36	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 22:36	
<i>Surrogate: p-Terphenyl</i>	<i>123 %</i>	<i>62 - 141</i>		B2B1237	02/28/2022	02/28/22 22:36	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1,1-Trichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1,2-Trichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1-Dichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,1-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2,3-Trichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2,3-Trichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2,4-Trichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2,4-Trimethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2-Dibromoethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2-Dichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,2-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,3,5-Trimethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,3-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,3-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
1,4-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
2,2-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
2-Chlorotoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
4-Chlorotoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
4-Isopropyltoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-8-1-5.5**  
**Lab ID: 2200233-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Bromobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Bromochloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Bromodichloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Bromoform	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Bromomethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Carbon disulfide	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Carbon tetrachloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Chlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Chloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Chloroform	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Chloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
cis-1,2-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
cis-1,3-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Di-isopropyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Dibromochloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Dibromomethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Dichlorodifluoromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Ethyl Acetate	ND	42	1	B2B1236	02/28/2022	02/28/22 19:28	
Ethyl Ether	ND	42	1	B2B1236	02/28/2022	02/28/22 19:28	
Ethyl tert-butyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Ethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Freon-113	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Hexachlorobutadiene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Isopropylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
m,p-Xylene	ND	8.4	1	B2B1236	02/28/2022	02/28/22 19:28	
Methylene chloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
MTBE	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
n-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
n-Propylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Naphthalene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
o-Xylene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
sec-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Styrene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
tert-Amyl methyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
tert-Butanol	ND	84	1	B2B1236	02/28/2022	02/28/22 19:28	
tert-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Tetrachloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Toluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
trans-1,2-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
trans-1,3-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-8-1-5.5**  
**Lab ID: 2200233-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Trichlorofluoromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
Vinyl acetate	ND	42	1	B2B1236	02/28/2022	02/28/22 19:28	
Vinyl chloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:28	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>118 %</i>	<i>66 - 200</i>		B2B1236	02/28/2022	<i>02/28/22 19:28</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.5 %</i>	<i>50 - 146</i>		B2B1236	02/28/2022	<i>02/28/22 19:28</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>116 %</i>	<i>77 - 159</i>		B2B1236	02/28/2022	<i>02/28/22 19:28</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.2 %</i>	<i>81 - 128</i>		B2B1236	02/28/2022	<i>02/28/22 19:28</i>	

## Semivolatile Organic Compounds by EPA 8270/SIM

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Acenaphthene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Acenaphthylene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Benzo(a)anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Benzo(a)pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Benzo(b)fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Benzo(g,h,i)perylene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Benzo(k)fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Chrysene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Dibenz(a,h)anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Fluorene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Indeno(1,2,3-cd)pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Naphthalene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Phenanthrene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
Pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 13:53	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>81.0 %</i>	<i>12 - 125</i>		B2B1228	02/28/2022	<i>03/02/22 13:53</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>85.8 %</i>	<i>14 - 139</i>		B2B1228	02/28/2022	<i>03/02/22 13:53</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>50.8 %</i>	<i>8 - 155</i>		B2B1228	02/28/2022	<i>03/02/22 13:53</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>111 %</i>	<i>16 - 152</i>		B2B1228	02/28/2022	<i>03/02/22 13:53</i>	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-8-2-1**  
**Lab ID: 2200233-13**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Arsenic	ND	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
<b>Barium</b>	<b>91</b>	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
<b>Beryllium</b>	<b>2.8</b>	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Cadmium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
<b>Chromium</b>	<b>23</b>	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
<b>Cobalt</b>	<b>5.5</b>	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
<b>Copper</b>	<b>9.4</b>	2.0	1	B2B1224	02/28/2022	02/28/22 18:01	
<b>Lead</b>	<b>3.3</b>	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Molybdenum	ND	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
<b>Nickel</b>	<b>6.5</b>	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Selenium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
<b>Silver</b>	<b>5.6</b>	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
Thallium	ND	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	
<b>Zinc</b>	<b>37</b>	1.0	1	B2B1224	02/28/2022	02/28/22 18:01	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-8-2-5.5**  
**Lab ID: 2200233-14**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:41	
C4-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:41	
C6-C12	ND	0.84	1	B2B1217	02/26/2022	02/26/22 03:41	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.4 %</i>	<i>47.6 - 121.18</i>		B2B1217	02/26/2022	02/26/22 03:41	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1237	02/28/2022	02/28/22 22:56	
C23-C32	ND	10	1	B2B1237	02/28/2022	02/28/22 22:56	
<i>Surrogate: p-Terphenyl</i>	<i>128 %</i>	<i>62 - 141</i>		B2B1237	02/28/2022	02/28/22 22:56	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1,1-Trichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1,2-Trichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1-Dichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,1-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2,3-Trichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2,3-Trichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2,4-Trichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2,4-Trimethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2-Dibromoethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2-Dichloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,2-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,3,5-Trimethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,3-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,3-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
1,4-Dichlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
2,2-Dichloropropane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
2-Chlorotoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
4-Chlorotoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
4-Isopropyltoluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-8-2-5.5**  
**Lab ID: 2200233-14**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Bromobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Bromochloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Bromodichloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Bromoform	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Bromomethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Carbon disulfide	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Carbon tetrachloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Chlorobenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Chloroethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Chloroform	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Chloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
cis-1,2-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
cis-1,3-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Di-isopropyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Dibromochloromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Dibromomethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Dichlorodifluoromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Ethyl Acetate	ND	42	1	B2B1236	02/28/2022	02/28/22 19:54	
Ethyl Ether	ND	42	1	B2B1236	02/28/2022	02/28/22 19:54	
Ethyl tert-butyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Ethylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Freon-113	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Hexachlorobutadiene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Isopropylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
m,p-Xylene	ND	8.4	1	B2B1236	02/28/2022	02/28/22 19:54	
Methylene chloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
MTBE	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
n-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
n-Propylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Naphthalene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
o-Xylene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
sec-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Styrene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
tert-Amyl methyl ether	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
tert-Butanol	ND	84	1	B2B1236	02/28/2022	02/28/22 19:54	
tert-Butylbenzene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Tetrachloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Toluene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
trans-1,2-Dichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
trans-1,3-Dichloropropene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: 61C-8-2-5.5**  
**Lab ID: 2200233-14**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Trichlorofluoromethane	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
Vinyl acetate	ND	42	1	B2B1236	02/28/2022	02/28/22 19:54	
Vinyl chloride	ND	4.2	1	B2B1236	02/28/2022	02/28/22 19:54	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>126 %</i>	<i>66 - 200</i>		B2B1236	02/28/2022	<i>02/28/22 19:54</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.6 %</i>	<i>50 - 146</i>		B2B1236	02/28/2022	<i>02/28/22 19:54</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>112 %</i>	<i>77 - 159</i>		B2B1236	02/28/2022	<i>02/28/22 19:54</i>	
<i>Surrogate: Toluene-d8</i>	<i>98.3 %</i>	<i>81 - 128</i>		B2B1236	02/28/2022	<i>02/28/22 19:54</i>	

## Semivolatile Organic Compounds by EPA 8270/SIM

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Acenaphthene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Acenaphthylene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Benzo(a)anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Benzo(a)pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Benzo(b)fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Benzo(g,h,i)perylene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Benzo(k)fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Chrysene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Dibenz(a,h)anthracene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Fluoranthene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Fluorene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Indeno(1,2,3-cd)pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Naphthalene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Phenanthrene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
Pyrene	ND	10	1	B2B1228	02/28/2022	03/02/22 14:19	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>80.2 %</i>	<i>12 - 125</i>		B2B1228	02/28/2022	<i>03/02/22 14:19</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>86.0 %</i>	<i>14 - 139</i>		B2B1228	02/28/2022	<i>03/02/22 14:19</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>51.3 %</i>	<i>8 - 155</i>		B2B1228	02/28/2022	<i>03/02/22 14:19</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>120 %</i>	<i>16 - 152</i>		B2B1228	02/28/2022	<i>03/02/22 14:19</i>	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/04/2022

**Client Sample ID: TB-20220223**

**Lab ID: 2200233-15**

### Volatile Organic Compounds by EPA 8260B

**Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1,1-Trichloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1,2-Trichloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1-Dichloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1-Dichloroethene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,1-Dichloropropene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2,3-Trichloropropane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2,3-Trichlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2,4-Trichlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2,4-Trimethylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2-Dibromo-3-chloropropane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2-Dibromoethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2-Dichlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2-Dichloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,2-Dichloropropane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,3,5-Trimethylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,3-Dichlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,3-Dichloropropane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
1,4-Dichlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
2,2-Dichloropropane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
2-Chlorotoluene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
4-Chlorotoluene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
4-Isopropyltoluene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Benzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Bromobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Bromochloromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Bromodichloromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Bromoform	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Bromomethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Carbon disulfide	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Carbon tetrachloride	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Chlorobenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Chloroethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Chloroform	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Chloromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
cis-1,2-Dichloroethene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
cis-1,3-Dichloropropene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Di-isopropyl ether	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Dibromochloromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Dibromomethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

**Client Sample ID: TB-20220223**  
**Lab ID: 2200233-15**

## Volatile Organic Compounds by EPA 8260B

**Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Ethyl Acetate	ND	50	1	B2B1199	02/25/2022	02/25/22 19:05	
Ethyl Ether	ND	50	1	B2B1199	02/25/2022	02/25/22 19:05	
Ethyl tert-butyl ether	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Ethylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Freon-113	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Hexachlorobutadiene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Isopropylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
m,p-Xylene	ND	10	1	B2B1199	02/25/2022	02/25/22 19:05	
Methylene chloride	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
MTBE	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
n-Butylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
n-Propylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Naphthalene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
o-Xylene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
sec-Butylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Styrene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
tert-Amyl methyl ether	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
tert-Butanol	ND	100	1	B2B1199	02/25/2022	02/25/22 19:05	
tert-Butylbenzene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Tetrachloroethene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Toluene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
trans-1,2-Dichloroethene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
trans-1,3-Dichloropropene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Trichloroethene	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Trichlorofluoromethane	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
Vinyl acetate	ND	50	1	B2B1199	02/25/2022	02/25/22 19:05	
Vinyl chloride	ND	5.0	1	B2B1199	02/25/2022	02/25/22 19:05	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>92.9 %</i>	<i>64 - 155</i>		B2B1199	02/25/2022	<i>02/25/22 19:05</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.0 %</i>	<i>73 - 124</i>		B2B1199	02/25/2022	<i>02/25/22 19:05</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>103 %</i>	<i>78 - 129</i>		B2B1199	02/25/2022	<i>02/25/22 19:05</i>	
<i>Surrogate: Toluene-d8</i>	<i>92.5 %</i>	<i>84 - 117</i>		B2B1199	02/25/2022	<i>02/25/22 19:05</i>	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

### QUALITY CONTROL SECTION

#### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1224 - EPA 3050B\_S**

**Blank (B2B1224-BLK1)**

Prepared: 2/28/2022 Analyzed: 2/28/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

**LCS (B2B1224-BS1)**

Prepared: 2/28/2022 Analyzed: 2/28/2022

Antimony	24.1222	2.0	0.51	25.0000	96.5	80 - 120
Arsenic	24.0591	1.0	0.12	25.0000	96.2	80 - 120
Barium	23.5493	1.0	0.12	25.0000	94.2	80 - 120
Beryllium	25.9176	1.0	0.03	25.0100	104	80 - 120
Cadmium	24.6342	1.0	0.14	25.0000	98.5	80 - 120
Chromium	24.9622	1.0	0.26	25.0000	99.8	80 - 120
Cobalt	26.6536	1.0	0.07	25.0000	107	80 - 120
Copper	24.6659	2.0	0.19	25.0000	98.7	80 - 120
Lead	24.7184	1.0	0.18	25.0000	98.9	80 - 120
Molybdenum	25.1166	1.0	0.12	25.0000	100	80 - 120
Nickel	24.7495	1.0	0.18	25.0000	99.0	80 - 120
Selenium	25.0574	1.0	0.40	25.0000	100	80 - 120
Silver	11.9756	1.0	0.12	12.5000	95.8	80 - 120
Thallium	24.6515	1.0	0.38	25.0000	98.6	80 - 120
Vanadium	24.9384	1.0	0.06	25.0000	99.8	80 - 120
Zinc	24.0738	1.0	0.15	25.0000	96.3	80 - 120

**Matrix Spike (B2B1224-MS1)**

Source: 2200233-01

Prepared: 2/28/2022 Analyzed: 2/28/2022

Antimony	12.8042	2.0	0.51	25.0000	1.19489	46.4	0 - 102
Arsenic	23.2573	1.0	0.12	25.0000	0.880613	89.5	55 - 117
Barium	88.0424	1.0	0.12	25.0000	59.6908	113	11 - 177
Beryllium	25.7654	1.0	0.03	25.0100	2.28846	93.9	64 - 115
Cadmium	23.3368	1.0	0.14	25.0000	0.972670	89.5	62 - 116
Chromium	77.4946	1.0	0.26	25.0000	45.7376	127	42 - 145





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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1224 - EPA 3050B\_S (continued)**

**Matrix Spike (B2B1224-MS1) - Continued**

**Source: 2200233-01**

Prepared: 2/28/2022 Analyzed: 2/28/2022

Cobalt	29.7814	1.0	0.07	25.0000	5.20490	98.3	60 - 126			
Copper	36.9168	2.0	0.19	25.0000	9.92710	108	37 - 163			
Lead	36.4832	1.0	0.18	25.0000	10.2236	105	26 - 161			
Molybdenum	23.1141	1.0	0.12	25.0000	0.307556	91.2	31 - 122			
Nickel	37.7556	1.0	0.18	25.0000	13.3372	97.7	52 - 130			
Selenium	19.9492	1.0	0.40	25.0000	ND	79.8	25 - 129			
Silver	14.5975	1.0	0.12	12.5000	4.54949	80.4	48 - 133			
Thallium	14.4271	1.0	0.38	25.0000	ND	57.7	25 - 119			
Vanadium	57.7162	1.0	0.06	25.0000	31.9594	103	51 - 141			
Zinc	160.505	1.0	0.15	25.0000	130.701	119	8 - 170			

**Matrix Spike Dup (B2B1224-MSD1)**

**Source: 2200233-01**

Prepared: 2/28/2022 Analyzed: 2/28/2022

Antimony	11.9806	2.0	0.51	25.0000	1.19489	43.1	0 - 102	6.65	20	
Arsenic	23.0845	1.0	0.12	25.0000	0.880613	88.8	55 - 117	0.746	20	
Barium	88.1891	1.0	0.12	25.0000	59.6908	114	11 - 177	0.166	20	
Beryllium	25.9266	1.0	0.03	25.0100	2.28846	94.5	64 - 115	0.624	20	
Cadmium	23.6230	1.0	0.14	25.0000	0.972670	90.6	62 - 116	1.22	20	
Chromium	77.4694	1.0	0.26	25.0000	45.7376	127	42 - 145	0.0325	20	
Cobalt	30.0406	1.0	0.07	25.0000	5.20490	99.3	60 - 126	0.867	20	
Copper	36.4208	2.0	0.19	25.0000	9.92710	106	37 - 163	1.35	20	
Lead	36.3395	1.0	0.18	25.0000	10.2236	104	26 - 161	0.395	20	
Molybdenum	23.5853	1.0	0.12	25.0000	0.307556	93.1	31 - 122	2.02	20	
Nickel	37.9858	1.0	0.18	25.0000	13.3372	98.6	52 - 130	0.608	20	
Selenium	19.6398	1.0	0.40	25.0000	ND	78.6	25 - 129	1.56	20	
Silver	14.7950	1.0	0.12	12.5000	4.54949	82.0	48 - 133	1.34	20	
Thallium	14.6495	1.0	0.38	25.0000	ND	58.6	25 - 119	1.53	20	
Vanadium	57.9356	1.0	0.06	25.0000	31.9594	104	51 - 141	0.379	20	
Zinc	161.455	1.0	0.15	25.0000	130.701	123	8 - 170	0.590	20	



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Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	Limits	RPD	RPD Limit	Notes
<b>Batch B2B1212 - EPA 7471_S</b>										
<b>Blank (B2B1212-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 2/25/2022 Analyzed: 2/28/2022
<b>LCS (B2B1212-BS1)</b>										
Mercury	0.412657	0.10	0.01	0.416667		99.0	80 - 120			Prepared: 2/25/2022 Analyzed: 2/28/2022
<b>Matrix Spike (B2B1212-MS1)</b>										
					<b>Source: 2200233-01</b>					Prepared: 2/25/2022 Analyzed: 2/28/2022
Mercury	0.461805	0.10	0.01	0.416667	0.025093	105	70 - 130			
<b>Matrix Spike Dup (B2B1212-MSD1)</b>										
					<b>Source: 2200233-01</b>					Prepared: 2/25/2022 Analyzed: 2/28/2022
Mercury	0.462295	0.10	0.01	0.416667	0.025093	105	70 - 130	0.106	20	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/04/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2B1212 - EPA 7471\_S

Post Spike (B2B1212-PS1)

Source: 2200233-01

Prepared: 2/25/2022 Analyzed: 2/28/2022

Mercury	0.005515		5.00000E-3	0.000301	104	85 - 115			
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## Certificate of Analysis

GSI Environmental, Inc.  
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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1217 - GCVOA_S</b>									
<b>Blank (B2B1217-BLK1)</b>					Prepared: 2/26/2022 Analyzed: 2/26/2022				
Gasoline Range Organics	ND	1.0	0.13						
C4-C12	ND	1.0	0.13						
C6-C12	ND	1.0	0.13						
<hr/>									
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6743</i>			<i>0.800000</i>		<i>84.3</i>	<i>47.6 - 121.18</i>		
<b>LCS (B2B1217-BS1)</b>					Prepared: 2/25/2022 Analyzed: 2/25/2022				
Gasoline Range Organics	4.23300	1.0	0.13	5.00000		84.7	58.69 - 124.04		
C4-C12	4.23900	1.0	0.13	5.00000		84.8	70 - 130		
<hr/>									
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7078</i>			<i>0.800000</i>		<i>88.5</i>	<i>47.6 - 121.18</i>		
<b>LCS Dup (B2B1217-BSD1)</b>					Prepared: 2/26/2022 Analyzed: 2/26/2022				
Gasoline Range Organics	4.78200	1.0	0.13	5.00000		95.6	58.69 - 124.04	12.2	20
C4-C12	4.79500	1.0	0.13	5.00000		95.9	70 - 130	12.3	20
<hr/>									
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7186</i>			<i>0.800000</i>		<i>89.8</i>	<i>47.6 - 121.18</i>		



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1237 - GCSEMI_DRO_S</b>									
<b>Blank (B2B1237-BLK1)</b>					Prepared: 2/28/2022 Analyzed: 2/28/2022				
C13-C23	ND	10	3.6						
C23-C32	ND	10	3.6						
<hr/>									
<i>Surrogate: p-Terphenyl</i>	<i>84.87</i>			<i>80.0000</i>		<i>106</i>	<i>62 - 141</i>		
<b>LCS (B2B1237-BS1)</b>					Prepared: 2/28/2022 Analyzed: 2/28/2022				
DRO	989.502	10	3.6	1000.00		99.0	56 - 139		
<hr/>									
<i>Surrogate: p-Terphenyl</i>	<i>88.69</i>			<i>80.0000</i>		<i>111</i>	<i>62 - 141</i>		
<b>Matrix Spike (B2B1237-MS1)</b>					<b>Source: 2200233-02</b>		Prepared: 2/28/2022 Analyzed: 2/28/2022		
DRO	972.051	10	3.6	1000.00	9.93200	96.2	38 - 161		
<hr/>									
<i>Surrogate: p-Terphenyl</i>	<i>91.67</i>			<i>80.0000</i>		<i>115</i>	<i>62 - 141</i>		
<b>Matrix Spike Dup (B2B1237-MSD1)</b>					<b>Source: 2200233-02</b>		Prepared: 2/28/2022 Analyzed: 2/28/2022		
DRO	1023.49	10	3.6	1000.00	9.93200	101	38 - 161	5.16	20
<hr/>									
<i>Surrogate: p-Terphenyl</i>	<i>94.62</i>			<i>80.0000</i>		<i>118</i>	<i>62 - 141</i>		



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Project Number : Ontario Airport / 5925  
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 Reported : 03/04/2022

## Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2B1199 - MSVOA\_W

#### Blank (B2B1199-BLK1)

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.11						
1,1,1-Trichloroethane	ND	5.0	0.21						
1,1,2,2-Tetrachloroethane	ND	5.0	0.36						
1,1,2-Trichloroethane	ND	5.0	0.25						
1,1-Dichloroethane	ND	5.0	0.09						
1,1-Dichloroethene	ND	5.0	0.13						
1,1-Dichloropropene	ND	5.0	0.13						
1,2,3-Trichloropropane	ND	5.0	0.39						
1,2,3-Trichlorobenzene	ND	5.0	0.18						
1,2,4-Trichlorobenzene	ND	5.0	0.16						
1,2,4-Trimethylbenzene	ND	5.0	0.14						
1,2-Dibromo-3-chloropropane	ND	5.0	0.41						
1,2-Dibromoethane	ND	5.0	0.24						
1,2-Dichlorobenzene	ND	5.0	0.20						
1,2-Dichloroethane	ND	5.0	0.20						
1,2-Dichloropropane	ND	5.0	0.15						
1,3,5-Trimethylbenzene	ND	5.0	0.13						
1,3-Dichlorobenzene	ND	5.0	0.16						
1,3-Dichloropropane	ND	5.0	0.21						
1,4-Dichlorobenzene	ND	5.0	0.17						
2,2-Dichloropropane	ND	5.0	0.38						
2-Chlorotoluene	ND	5.0	0.11						
4-Chlorotoluene	ND	5.0	0.12						
4-Isopropyltoluene	ND	5.0	0.11						
Benzene	ND	5.0	0.13						
Bromobenzene	ND	5.0	0.21						
Bromochloromethane	ND	5.0	0.16						
Bromodichloromethane	ND	5.0	0.14						
Bromoform	ND	5.0	0.20						
Bromomethane	ND	5.0	0.40						
Carbon disulfide	ND	5.0	0.07						
Carbon tetrachloride	ND	5.0	0.09						
Chlorobenzene	ND	5.0	0.13						
Chloroethane	ND	5.0	0.15						
Chloroform	ND	5.0	0.11						
Chloromethane	ND	5.0	0.12						
cis-1,2-Dichloroethene	ND	5.0	0.14						
cis-1,3-Dichloropropene	ND	5.0	0.13						
Di-isopropyl ether	ND	5.0	0.15						
Dibromochloromethane	ND	5.0	0.16						
Dibromomethane	ND	5.0	0.19						
Dichlorodifluoromethane	ND	5.0	0.18						
Ethyl Acetate	ND	50	8.7						
Ethyl Ether	ND	50	2.0						
Ethyl tert-butyl ether	ND	5.0	0.21						



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 Reported : 03/04/2022

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1199 - MSVOA\_W (continued)**

**Blank (B2B1199-BLK1) - Continued**

Prepared: 2/25/2022 Analyzed: 2/25/2022

Ethylbenzene	ND	5.0	0.13						
Freon-113	ND	5.0	0.13						
Hexachlorobutadiene	ND	5.0	0.15						
Isopropylbenzene	ND	5.0	0.10						
m,p-Xylene	ND	10	0.19						
Methylene chloride	ND	5.0	0.71						
MTBE	ND	5.0	0.26						
n-Butylbenzene	ND	5.0	0.11						
n-Propylbenzene	ND	5.0	0.10						
Naphthalene	ND	5.0	0.41						
o-Xylene	ND	5.0	0.13						
sec-Butylbenzene	ND	5.0	0.09						
Styrene	ND	5.0	0.13						
tert-Amyl methyl ether	ND	5.0	0.41						
tert-Butanol	ND	100	2.4						
tert-Butylbenzene	ND	5.0	0.09						
Tetrachloroethene	ND	5.0	0.10						
Toluene	ND	5.0	0.12						
trans-1,2-Dichloroethene	ND	5.0	0.09						
trans-1,3-Dichloropropene	ND	5.0	0.23						
Trichloroethene	ND	5.0	0.10						
Trichlorofluoromethane	ND	5.0	0.23						
Vinyl acetate	ND	50	1.7						
Vinyl chloride	ND	5.0	0.13						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	24.04			25.0000		96.2	64 - 155		
<i>Surrogate: 4-Bromofluorobenzene</i>	24.13			25.0000		96.5	73 - 124		
<i>Surrogate: Dibromofluoromethane</i>	25.87			25.0000		103	78 - 129		
<i>Surrogate: Toluene-d8</i>	23.13			25.0000		92.5	84 - 117		

**LCS (B2B1199-BS1)**

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,1,1,2-Tetrachloroethane	18.3100	5.0	0.11	20.0000		91.6	79 - 116		
1,1,1-Trichloroethane	17.3400	5.0	0.21	20.0000		86.7	73 - 130		
1,1,2,2-Tetrachloroethane	21.5300	5.0	0.36	20.0000		108	71 - 122		
1,1,2-Trichloroethane	18.4400	5.0	0.25	20.0000		92.2	70 - 124		
1,1-Dichloroethane	18.4500	5.0	0.09	20.0000		92.2	69 - 128		
1,1-Dichloroethene	14.8400	5.0	0.13	20.0000		74.2	65 - 137		
1,1-Dichloropropene	19.1200	5.0	0.13	20.0000		95.6	74 - 129		
1,2,3-Trichloropropane	20.4100	5.0	0.39	20.0000		102	74 - 123		
1,2,3-Trichlorobenzene	19.6900	5.0	0.18	20.0000		98.4	59 - 130		
1,2,4-Trichlorobenzene	20.0800	5.0	0.16	20.0000		100	65 - 125		
1,2,4-Trimethylbenzene	18.5900	5.0	0.14	20.0000		93.0	88 - 124		
1,2-Dibromo-3-chloropropane	20.7500	5.0	0.41	20.0000		104	61 - 127		
1,2-Dibromoethane	18.6400	5.0	0.24	20.0000		93.2	72 - 125		
1,2-Dichlorobenzene	18.6200	5.0	0.20	20.0000		93.1	84 - 113		
1,2-Dichloroethane	17.6800	5.0	0.20	20.0000		88.4	68 - 130		



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/04/2022

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1199 - MSVOA\_W (continued)**

**LCS (B2B1199-BS1) - Continued**

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,2-Dichloropropane	18.2100	5.0	0.15	20.0000		91.0	77 - 121			
1,3,5-Trimethylbenzene	19.2600	5.0	0.13	20.0000		96.3	83 - 124			
1,3-Dichlorobenzene	19.4000	5.0	0.16	20.0000		97.0	83 - 112			
1,3-Dichloropropane	19.9400	5.0	0.21	20.0000		99.7	77 - 119			
1,4-Dichlorobenzene	18.4000	5.0	0.17	20.0000		92.0	79 - 115			
2,2-Dichloropropane	18.8700	5.0	0.38	20.0000		94.4	67 - 149			
2-Chlorotoluene	18.5400	5.0	0.11	20.0000		92.7	81 - 119			
4-Chlorotoluene	18.3700	5.0	0.12	20.0000		91.8	86 - 117			
4-Isopropyltoluene	18.2500	5.0	0.11	20.0000		91.2	82 - 131			
Benzene	19.7400	5.0	0.13	20.0000		98.7	75 - 124			
Bromobenzene	19.2900	5.0	0.21	20.0000		96.4	82 - 108			
Bromochloromethane	21.8300	5.0	0.16	20.0000		109	73 - 125			
Bromodichloromethane	17.1300	5.0	0.14	20.0000		85.6	80 - 120			
Bromoform	19.7700	5.0	0.20	20.0000		98.8	70 - 123			
Bromomethane	14.8500	5.0	0.40	20.0000		74.2	44 - 151			
Carbon disulfide	15.5200	5.0	0.07	20.0000		77.6	63 - 150			
Carbon tetrachloride	16.3100	5.0	0.09	20.0000		81.6	62 - 140			
Chlorobenzene	19.4800	5.0	0.13	20.0000		97.4	80 - 112			
Chloroethane	15.9700	5.0	0.15	20.0000		79.8	42 - 167			
Chloroform	19.0400	5.0	0.11	20.0000		95.2	77 - 122			
Chloromethane	16.4600	5.0	0.12	20.0000		82.3	33 - 153			
cis-1,2-Dichloroethene	19.1700	5.0	0.14	20.0000		95.8	75 - 121			
cis-1,3-Dichloropropene	17.8400	5.0	0.13	20.0000		89.2	73 - 127			
Di-isopropyl ether	19.0700	5.0	0.15	20.0000		95.4	64 - 144			
Dibromochloromethane	18.9100	5.0	0.16	20.0000		94.6	77 - 122			
Dibromomethane	18.9000	5.0	0.19	20.0000		94.5	75 - 121			
Dichlorodifluoromethane	12.7700	5.0	0.18	20.0000		63.8	0 - 171			
Ethyl Acetate	209.650	50	8.7	200.000		105	54 - 153			
Ethyl Ether	167.340	50	2.0	200.000		83.7	65 - 139			
Ethyl tert-butyl ether	19.7000	5.0	0.21	20.0000		98.5	54 - 141			
Ethylbenzene	18.8900	5.0	0.13	20.0000		94.4	82 - 119			
Freon-113	14.5300	5.0	0.13	20.0000		72.6	49 - 156			
Hexachlorobutadiene	17.0400	5.0	0.15	20.0000		85.2	71 - 131			
Isopropylbenzene	18.9200	5.0	0.10	20.0000		94.6	75 - 126			
m,p-Xylene	37.0600	10	0.19	40.0000		92.6	86 - 119			
Methylene chloride	21.3900	5.0	0.71	20.0000		107	76 - 125			
MTBE	19.4700	5.0	0.26	20.0000		97.4	70 - 121			
n-Butylbenzene	18.4400	5.0	0.11	20.0000		92.2	81 - 125			
n-Propylbenzene	19.0200	5.0	0.10	20.0000		95.1	78 - 130			
Naphthalene	21.3900	5.0	0.41	20.0000		107	47 - 128			
o-Xylene	18.4200	5.0	0.13	20.0000		92.1	85 - 119			
sec-Butylbenzene	17.9000	5.0	0.09	20.0000		89.5	78 - 130			
Styrene	20.0200	5.0	0.13	20.0000		100	62 - 148			
tert-Amyl methyl ether	19.3300	5.0	0.41	20.0000		96.6	55 - 131			
tert-Butanol	115.150	100	2.4	100.000		115	45 - 153			





## Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
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Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/04/2022

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1199 - MSVOA\_W (continued)**

**LCS (B2B1199-BS1) - Continued**

Prepared: 2/25/2022 Analyzed: 2/25/2022

tert-Butylbenzene	17.7400	5.0	0.09	20.0000		88.7	77 - 125		
Tetrachloroethene	17.6500	5.0	0.10	20.0000		88.2	73 - 120		
Toluene	16.8400	5.0	0.12	20.0000		84.2	79 - 119		
trans-1,2-Dichloroethene	18.7800	5.0	0.09	20.0000		93.9	70 - 129		
trans-1,3-Dichloropropene	19.5000	5.0	0.23	20.0000		97.5	67 - 137		
Trichloroethene	17.7300	5.0	0.10	20.0000		88.6	73 - 117		
Trichlorofluoromethane	13.2900	5.0	0.23	20.0000		66.4	59 - 135		
Vinyl acetate	233.600	50	1.7	200.000		117	67 - 155		
Vinyl chloride	13.7600	5.0	0.13	20.0000		68.8	58 - 132		

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>23.17</i>			<i>25.0000</i>		<i>92.7</i>	<i>64 - 155</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>25.14</i>			<i>25.0000</i>		<i>101</i>	<i>73 - 124</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>25.34</i>			<i>25.0000</i>		<i>101</i>	<i>78 - 129</i>		
<i>Surrogate: Toluene-d8</i>	<i>22.19</i>			<i>25.0000</i>		<i>88.8</i>	<i>84 - 117</i>		

**LCS Dup (B2B1199-BSD1)**

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,1,1,2-Tetrachloroethane	18.7700	5.0	0.11	20.0000		93.8	79 - 116	2.48	20
1,1,1-Trichloroethane	17.1300	5.0	0.21	20.0000		85.6	73 - 130	1.22	20
1,1,2,2-Tetrachloroethane	21.8200	5.0	0.36	20.0000		109	71 - 122	1.34	20
1,1,2-Trichloroethane	19.5700	5.0	0.25	20.0000		97.8	70 - 124	5.95	20
1,1-Dichloroethane	18.1300	5.0	0.09	20.0000		90.6	69 - 128	1.75	20
1,1-Dichloroethene	14.5500	5.0	0.13	20.0000		72.8	65 - 137	1.97	20
1,1-Dichloropropene	18.4800	5.0	0.13	20.0000		92.4	74 - 129	3.40	20
1,2,3-Trichloropropane	20.8500	5.0	0.39	20.0000		104	74 - 123	2.13	20
1,2,3-Trichlorobenzene	20.5700	5.0	0.18	20.0000		103	59 - 130	4.37	20
1,2,4-Trichlorobenzene	20.0900	5.0	0.16	20.0000		100	65 - 125	0.0498	20
1,2,4-Trimethylbenzene	18.8900	5.0	0.14	20.0000		94.4	88 - 124	1.60	20
1,2-Dibromo-3-chloropropane	20.5300	5.0	0.41	20.0000		103	61 - 127	1.07	20
1,2-Dibromoethane	18.8800	5.0	0.24	20.0000		94.4	72 - 125	1.28	20
1,2-Dichlorobenzene	19.2900	5.0	0.20	20.0000		96.4	84 - 113	3.53	20
1,2-Dichloroethane	18.2200	5.0	0.20	20.0000		91.1	68 - 130	3.01	20
1,2-Dichloropropane	17.9300	5.0	0.15	20.0000		89.6	77 - 121	1.55	20
1,3,5-Trimethylbenzene	18.7900	5.0	0.13	20.0000		94.0	83 - 124	2.47	20
1,3-Dichlorobenzene	19.3200	5.0	0.16	20.0000		96.6	83 - 112	0.413	20
1,3-Dichloropropane	20.2600	5.0	0.21	20.0000		101	77 - 119	1.59	20
1,4-Dichlorobenzene	19.0500	5.0	0.17	20.0000		95.2	79 - 115	3.47	20
2,2-Dichloropropane	18.2200	5.0	0.38	20.0000		91.1	67 - 149	3.50	20
2-Chlorotoluene	18.6300	5.0	0.11	20.0000		93.2	81 - 119	0.484	20
4-Chlorotoluene	18.6100	5.0	0.12	20.0000		93.0	86 - 117	1.30	20
4-Isopropyltoluene	18.0500	5.0	0.11	20.0000		90.2	82 - 131	1.10	20
Benzene	19.2700	5.0	0.13	20.0000		96.4	75 - 124	2.41	20
Bromobenzene	19.1800	5.0	0.21	20.0000		95.9	82 - 108	0.572	20
Bromochloromethane	21.9800	5.0	0.16	20.0000		110	73 - 125	0.685	20
Bromodichloromethane	17.4900	5.0	0.14	20.0000		87.4	80 - 120	2.08	20
Bromoform	20.6400	5.0	0.20	20.0000		103	70 - 123	4.31	20
Bromomethane	14.6000	5.0	0.40	20.0000		73.0	44 - 151	1.70	20



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/04/2022

### Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1199 - MSVOA_W (continued)</b>									
<b>LCS Dup (B2B1199-BSD1) - Continued</b>					Prepared: 2/25/2022 Analyzed: 2/25/2022				
Carbon disulfide	15.4000	5.0	0.07	20.0000		77.0	63 - 150	0.776	20
Carbon tetrachloride	16.3800	5.0	0.09	20.0000		81.9	62 - 140	0.428	20
Chlorobenzene	19.1100	5.0	0.13	20.0000		95.6	80 - 112	1.92	20
Chloroethane	15.6400	5.0	0.15	20.0000		78.2	42 - 167	2.09	20
Chloroform	19.0000	5.0	0.11	20.0000		95.0	77 - 122	0.210	20
Chloromethane	16.2400	5.0	0.12	20.0000		81.2	33 - 153	1.35	20
cis-1,2-Dichloroethene	19.1900	5.0	0.14	20.0000		96.0	75 - 121	0.104	20
cis-1,3-Dichloropropene	17.9900	5.0	0.13	20.0000		90.0	73 - 127	0.837	20
Di-isopropyl ether	19.9300	5.0	0.15	20.0000		99.6	64 - 144	4.41	20
Dibromochloromethane	19.0700	5.0	0.16	20.0000		95.4	77 - 122	0.843	20
Dibromomethane	18.8700	5.0	0.19	20.0000		94.4	75 - 121	0.159	20
Dichlorodifluoromethane	13.2700	5.0	0.18	20.0000		66.4	0 - 171	3.84	20
Ethyl Acetate	221.480	50	8.7	200.000		111	54 - 153	5.49	20
Ethyl Ether	175.100	50	2.0	200.000		87.6	65 - 139	4.53	20
Ethyl tert-butyl ether	19.8800	5.0	0.21	20.0000		99.4	54 - 141	0.910	20
Ethylbenzene	19.0900	5.0	0.13	20.0000		95.4	82 - 119	1.05	20
Freon-113	14.4500	5.0	0.13	20.0000		72.2	49 - 156	0.552	20
Hexachlorobutadiene	17.1700	5.0	0.15	20.0000		85.8	71 - 131	0.760	20
Isopropylbenzene	18.2800	5.0	0.10	20.0000		91.4	75 - 126	3.44	20
m,p-Xylene	36.8900	10	0.19	40.0000		92.2	86 - 119	0.460	20
Methylene chloride	22.3900	5.0	0.71	20.0000		112	76 - 125	4.57	20
MTBE	19.9200	5.0	0.26	20.0000		99.6	70 - 121	2.28	20
n-Butylbenzene	18.6200	5.0	0.11	20.0000		93.1	81 - 125	0.971	20
n-Propylbenzene	19.1200	5.0	0.10	20.0000		95.6	78 - 130	0.524	20
Naphthalene	21.9000	5.0	0.41	20.0000		110	47 - 128	2.36	20
o-Xylene	18.9200	5.0	0.13	20.0000		94.6	85 - 119	2.68	20
sec-Butylbenzene	17.9900	5.0	0.09	20.0000		90.0	78 - 130	0.502	20
Styrene	20.1300	5.0	0.13	20.0000		101	62 - 148	0.548	20
tert-Amyl methyl ether	19.9500	5.0	0.41	20.0000		99.8	55 - 131	3.16	20
tert-Butanol	125.590	100	2.4	100.000		126	45 - 153	8.67	20
tert-Butylbenzene	17.6800	5.0	0.09	20.0000		88.4	77 - 125	0.339	20
Tetrachloroethene	16.4400	5.0	0.10	20.0000		82.2	73 - 120	7.10	20
Toluene	17.1700	5.0	0.12	20.0000		85.8	79 - 119	1.94	20
trans-1,2-Dichloroethene	18.1400	5.0	0.09	20.0000		90.7	70 - 129	3.47	20
trans-1,3-Dichloropropene	19.1700	5.0	0.23	20.0000		95.8	67 - 137	1.71	20
Trichloroethene	17.9300	5.0	0.10	20.0000		89.6	73 - 117	1.12	20
Trichlorofluoromethane	13.2100	5.0	0.23	20.0000		66.0	59 - 135	0.604	20
Vinyl acetate	248.520	50	1.7	200.000		124	67 - 155	6.19	20
Vinyl chloride	13.9000	5.0	0.13	20.0000		69.5	58 - 132	1.01	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>22.67</i>			<i>25.0000</i>		<i>90.7</i>	<i>64 - 155</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>24.16</i>			<i>25.0000</i>		<i>96.6</i>	<i>73 - 124</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>25.07</i>			<i>25.0000</i>		<i>100</i>	<i>78 - 129</i>		
<i>Surrogate: Toluene-d8</i>	<i>22.41</i>			<i>25.0000</i>		<i>89.6</i>	<i>84 - 117</i>		



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1214 - MSVOA\_S**

**Blank (B2B1214-BLK1)**

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1214 - MSVOA\_S (continued)**

**Blank (B2B1214-BLK1) - Continued**

Prepared: 2/25/2022 Analyzed: 2/25/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	52.54		50.0000		105	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	49.08		50.0000		98.2	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	53.74		50.0000		107	77 - 159
<i>Surrogate: Toluene-d8</i>	48.64		50.0000		97.3	81 - 128

**LCS (B2B1214-BS1)**

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,1,1,2-Tetrachloroethane	47.4500	5.0	0.52	50.0000	94.9	84 - 123
1,1,1-Trichloroethane	54.4400	5.0	0.26	50.0000	109	78 - 133
1,1,2,2-Tetrachloroethane	46.4800	5.0	0.21	50.0000	93.0	63 - 127
1,1,2-Trichloroethane	47.5600	5.0	0.40	50.0000	95.1	80 - 125
1,1-Dichloroethane	53.6300	5.0	1.4	50.0000	107	77 - 128
1,1-Dichloroethene	53.5700	5.0	1.9	50.0000	107	69 - 138
1,1-Dichloropropene	52.9900	5.0	0.54	50.0000	106	80 - 133
1,2,3-Trichloropropane	47.3300	5.0	0.40	50.0000	94.7	74 - 123
1,2,3-Trichlorobenzene	48.0600	5.0	0.83	50.0000	96.1	79 - 133
1,2,4-Trichlorobenzene	51.2600	5.0	0.80	50.0000	103	73 - 131
1,2,4-Trimethylbenzene	51.3300	5.0	0.91	50.0000	103	86 - 137
1,2-Dibromo-3-chloropropane	44.2200	10	1.1	50.0000	88.4	62 - 127
1,2-Dibromoethane	47.3100	5.0	0.40	50.0000	94.6	83 - 126
1,2-Dichlorobenzene	47.7700	5.0	0.21	50.0000	95.5	83 - 123
1,2-Dichloroethane	50.0800	5.0	0.50	50.0000	100	76 - 128



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Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1214 - MSVOA_S (continued)</b>									
<b>LCS (B2B1214-BS1) - Continued</b>					Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,2-Dichloropropane	49.7200	5.0	0.46	50.0000		99.4	77 - 121		
1,3,5-Trimethylbenzene	50.4200	5.0	0.70	50.0000		101	84 - 135		
1,3-Dichlorobenzene	48.3000	5.0	0.36	50.0000		96.6	81 - 126		
1,3-Dichloropropane	48.9200	5.0	0.49	50.0000		97.8	80 - 118		
1,4-Dichlorobenzene	49.3400	5.0	0.27	50.0000		98.7	80 - 124		
2,2-Dichloropropane	56.0800	5.0	0.28	50.0000		112	72 - 135		
2-Chlorotoluene	51.4200	5.0	0.53	50.0000		103	81 - 127		
4-Chlorotoluene	51.6900	5.0	0.40	50.0000		103	83 - 127		
4-Isopropyltoluene	50.8900	5.0	0.81	50.0000		102	82 - 143		
Benzene	52.8200	5.0	0.36	50.0000		106	84 - 123		
Bromobenzene	52.6300	5.0	0.62	50.0000		105	80 - 122		
Bromochloromethane	51.9400	5.0	0.30	50.0000		104	83 - 127		
Bromodichloromethane	53.1200	5.0	0.52	50.0000		106	82 - 123		
Bromoform	48.1300	5.0	1.4	50.0000		96.3	80 - 132		
Bromomethane	76.9000	5.0	2.5	50.0000		154	67 - 176		
Carbon disulfide	55.5200	5.0	0.94	50.0000		111	75 - 138		
Carbon tetrachloride	52.8500	5.0	0.73	50.0000		106	76 - 131		
Chlorobenzene	49.6300	5.0	0.42	50.0000		99.3	84 - 119		
Chloroethane	64.6000	5.0	1.5	50.0000		129	56 - 170		
Chloroform	54.3000	5.0	0.24	50.0000		109	78 - 129		
Chloromethane	60.5700	5.0	1.1	50.0000		121	63 - 141		
cis-1,2-Dichloroethene	44.7500	5.0	0.20	50.0000		89.5	83 - 125		
cis-1,3-Dichloropropene	46.7800	5.0	0.39	50.0000		93.6	76 - 129		
Di-isopropyl ether	54.3100	5.0	1.9	50.0000		109	73 - 132		
Dibromochloromethane	46.4800	5.0	0.81	50.0000		93.0	81 - 120		
Dibromomethane	49.1400	5.0	0.23	50.0000		98.3	79 - 124		
Dichlorodifluoromethane	56.8200	5.0	0.14	50.0000		114	18 - 199		
Ethyl Acetate	11.9800	50	7.0	500.000		2.40	76 - 138		MO
Ethyl Ether	592.770	50	17	500.000		119	74 - 128		
Ethyl tert-butyl ether	50.4000	5.0	0.85	50.0000		101	50 - 175		
Ethylbenzene	51.7100	5.0	0.43	50.0000		103	86 - 130		
Freon-113	64.7200	5.0	1.3	50.0000		129	66 - 132		
Hexachlorobutadiene	53.0600	5.0	0.40	50.0000		106	64 - 135		
Isopropylbenzene	53.5900	5.0	0.79	50.0000		107	80 - 133		
m,p-Xylene	100.420	10	0.98	100.000		100	89 - 133		
Methylene chloride	52.1700	5.0	2.2	50.0000		104	72 - 143		
MTBE	48.4000	5.0	0.81	50.0000		96.8	73 - 136		
n-Butylbenzene	51.7200	5.0	1.2	50.0000		103	76 - 144		
n-Propylbenzene	51.4900	5.0	0.78	50.0000		103	81 - 136		
Naphthalene	44.9000	5.0	1.1	50.0000		89.8	64 - 128		
o-Xylene	52.4500	5.0	0.67	50.0000		105	82 - 134		
sec-Butylbenzene	52.0100	5.0	0.63	50.0000		104	81 - 138		
Styrene	50.3800	5.0	0.45	50.0000		101	79 - 152		
tert-Amyl methyl ether	50.3700	5.0	1.1	50.0000		101	48 - 166		
tert-Butanol	182.490	100	11	250.000		73.0	48 - 148		



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Reported : 03/04/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1214 - MSVOA\_S (continued)**

**LCS (B2B1214-BS1) - Continued**

Prepared: 2/25/2022 Analyzed: 2/25/2022

tert-Butylbenzene	48.9500	5.0	0.80	50.0000		97.9	81 - 135		
Tetrachloroethene	51.9000	5.0	0.31	50.0000		104	75 - 127		
Toluene	51.4500	5.0	0.27	50.0000		103	88 - 130		
trans-1,2-Dichloroethene	72.3500	5.0	0.56	50.0000		145	79 - 127		L5
trans-1,3-Dichloropropene	46.8100	5.0	0.59	50.0000		93.6	80 - 130		
Trichloroethene	50.7300	5.0	0.32	50.0000		101	83 - 126		
Trichlorofluoromethane	62.9000	5.0	1.0	50.0000		126	62 - 143		
Vinyl acetate	21.9600	50	6.0	500.000		4.39	69 - 150		MO
Vinyl chloride	63.5500	5.0	0.92	50.0000		127	69 - 140		

<i>Surrogate: 1,2-Dichloroethane-d4</i>	52.73			50.0000		105	66 - 200		
<i>Surrogate: 4-Bromofluorobenzene</i>	51.35			50.0000		103	50 - 146		
<i>Surrogate: Dibromofluoromethane</i>	53.39			50.0000		107	77 - 159		
<i>Surrogate: Toluene-d8</i>	49.15			50.0000		98.3	81 - 128		

**LCS Dup (B2B1214-BSD1)**

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,1,1,2-Tetrachloroethane	49.5800	5.0	0.52	50.0000		99.2	84 - 123	4.39	20
1,1,1-Trichloroethane	52.3500	5.0	0.26	50.0000		105	78 - 133	3.91	20
1,1,2,2-Tetrachloroethane	47.6100	5.0	0.21	50.0000		95.2	63 - 127	2.40	20
1,1,2-Trichloroethane	47.6100	5.0	0.40	50.0000		95.2	80 - 125	0.105	20
1,1-Dichloroethane	52.1900	5.0	1.4	50.0000		104	77 - 128	2.72	20
1,1-Dichloroethene	53.0000	5.0	1.9	50.0000		106	69 - 138	1.07	20
1,1-Dichloropropene	54.4500	5.0	0.54	50.0000		109	80 - 133	2.72	20
1,2,3-Trichloropropane	49.7200	5.0	0.40	50.0000		99.4	74 - 123	4.93	20
1,2,3-Trichlorobenzene	49.4300	5.0	0.83	50.0000		98.9	79 - 133	2.81	20
1,2,4-Trichlorobenzene	52.8700	5.0	0.80	50.0000		106	73 - 131	3.09	20
1,2,4-Trimethylbenzene	51.2700	5.0	0.91	50.0000		103	86 - 137	0.117	20
1,2-Dibromo-3-chloropropane	47.3100	10	1.1	50.0000		94.6	62 - 127	6.75	20
1,2-Dibromoethane	50.6200	5.0	0.40	50.0000		101	83 - 126	6.76	20
1,2-Dichlorobenzene	48.5500	5.0	0.21	50.0000		97.1	83 - 123	1.62	20
1,2-Dichloroethane	50.1900	5.0	0.50	50.0000		100	76 - 128	0.219	20
1,2-Dichloropropane	49.4600	5.0	0.46	50.0000		98.9	77 - 121	0.524	20
1,3,5-Trimethylbenzene	51.3000	5.0	0.70	50.0000		103	84 - 135	1.73	20
1,3-Dichlorobenzene	49.9200	5.0	0.36	50.0000		99.8	81 - 126	3.30	20
1,3-Dichloropropane	49.5000	5.0	0.49	50.0000		99.0	80 - 118	1.18	20
1,4-Dichlorobenzene	49.0100	5.0	0.27	50.0000		98.0	80 - 124	0.671	20
2,2-Dichloropropane	52.6700	5.0	0.28	50.0000		105	72 - 135	6.27	20
2-Chlorotoluene	50.8700	5.0	0.53	50.0000		102	81 - 127	1.08	20
4-Chlorotoluene	52.0000	5.0	0.40	50.0000		104	83 - 127	0.598	20
4-Isopropyltoluene	50.1100	5.0	0.81	50.0000		100	82 - 143	1.54	20
Benzene	51.5300	5.0	0.36	50.0000		103	84 - 123	2.47	20
Bromobenzene	48.4400	5.0	0.62	50.0000		96.9	80 - 122	8.29	20
Bromochloromethane	48.0700	5.0	0.30	50.0000		96.1	83 - 127	7.74	20
Bromodichloromethane	52.2000	5.0	0.52	50.0000		104	82 - 123	1.75	20
Bromoform	46.1100	5.0	1.4	50.0000		92.2	80 - 132	4.29	20
Bromomethane	68.2500	5.0	2.5	50.0000		136	67 - 176	11.9	20



## Certificate of Analysis

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Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/04/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1214 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2B1214-BSD1) - Continued</b>										
					Prepared: 2/25/2022 Analyzed: 2/25/2022					
Carbon disulfide	52.0800	5.0	0.94	50.0000		104	75 - 138	6.39	20	
Carbon tetrachloride	51.0700	5.0	0.73	50.0000		102	76 - 131	3.43	20	
Chlorobenzene	49.0400	5.0	0.42	50.0000		98.1	84 - 119	1.20	20	
Chloroethane	60.2700	5.0	1.5	50.0000		121	56 - 170	6.94	20	
Chloroform	51.7700	5.0	0.24	50.0000		104	78 - 129	4.77	20	
Chloromethane	56.5300	5.0	1.1	50.0000		113	63 - 141	6.90	20	
cis-1,2-Dichloroethene	40.7200	5.0	0.20	50.0000		81.4	83 - 125	9.43	20	L3
cis-1,3-Dichloropropene	46.4600	5.0	0.39	50.0000		92.9	76 - 129	0.686	20	
Di-isopropyl ether	51.1400	5.0	1.9	50.0000		102	73 - 132	6.01	20	
Dibromochloromethane	46.2500	5.0	0.81	50.0000		92.5	81 - 120	0.496	20	
Dibromomethane	49.1400	5.0	0.23	50.0000		98.3	79 - 124	0.00	20	
Dichlorodifluoromethane	54.9000	5.0	0.14	50.0000		110	18 - 199	3.44	20	
Ethyl Acetate	11.1900	50	7.0	500.000		2.24	76 - 138	6.82	20	MO
Ethyl Ether	583.580	50	17	500.000		117	74 - 128	1.56	20	
Ethyl tert-butyl ether	48.0200	5.0	0.85	50.0000		96.0	50 - 175	4.84	20	
Ethylbenzene	50.2300	5.0	0.43	50.0000		100	86 - 130	2.90	20	
Freon-113	59.5900	5.0	1.3	50.0000		119	66 - 132	8.25	20	
Hexachlorobutadiene	50.8400	5.0	0.40	50.0000		102	64 - 135	4.27	20	
Isopropylbenzene	53.6600	5.0	0.79	50.0000		107	80 - 133	0.131	20	
m,p-Xylene	96.4200	10	0.98	100.000		96.4	89 - 133	4.06	20	
Methylene chloride	48.7800	5.0	2.2	50.0000		97.6	72 - 143	6.72	20	
MTBE	47.7700	5.0	0.81	50.0000		95.5	73 - 136	1.31	20	
n-Butylbenzene	51.2200	5.0	1.2	50.0000		102	76 - 144	0.971	20	
n-Propylbenzene	50.5600	5.0	0.78	50.0000		101	81 - 136	1.82	20	
Naphthalene	48.7300	5.0	1.1	50.0000		97.5	64 - 128	8.18	20	
o-Xylene	50.5100	5.0	0.67	50.0000		101	82 - 134	3.77	20	
sec-Butylbenzene	51.7200	5.0	0.63	50.0000		103	81 - 138	0.559	20	
Styrene	47.3400	5.0	0.45	50.0000		94.7	79 - 152	6.22	20	
tert-Amyl methyl ether	48.4700	5.0	1.1	50.0000		96.9	48 - 166	3.84	20	
tert-Butanol	174.010	100	11	250.000		69.6	48 - 148	4.76	20	
tert-Butylbenzene	49.7200	5.0	0.80	50.0000		99.4	81 - 135	1.56	20	
Tetrachloroethene	47.6800	5.0	0.31	50.0000		95.4	75 - 127	8.48	20	
Toluene	50.7300	5.0	0.27	50.0000		101	88 - 130	1.41	20	
trans-1,2-Dichloroethene	72.5700	5.0	0.56	50.0000		145	79 - 127	0.304	20	L5
trans-1,3-Dichloropropene	49.9500	5.0	0.59	50.0000		99.9	80 - 130	6.49	20	
Trichloroethene	49.5300	5.0	0.32	50.0000		99.1	83 - 126	2.39	20	
Trichlorofluoromethane	57.5200	5.0	1.0	50.0000		115	62 - 143	8.94	20	
Vinyl acetate	18.9200	50	6.0	500.000		3.78	69 - 150	14.9	20	MO
Vinyl chloride	63.6800	5.0	0.92	50.0000		127	69 - 140	0.204	20	

Surrogate: 1,2-Dichloroethane-d4	50.98			50.0000		102	66 - 200			
Surrogate: 4-Bromofluorobenzene	51.73			50.0000		103	50 - 146			
Surrogate: Dibromofluoromethane	54.04			50.0000		108	77 - 159			
Surrogate: Toluene-d8	50.25			50.0000		100	81 - 128			



## Certificate of Analysis

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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1236 - MSVOA\_S**

**Blank (B2B1236-BLK1)**

Prepared: 2/28/2022 Analyzed: 2/28/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						





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 Reported : 03/04/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD	Limit	Notes
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**Batch B2B1236 - MSVOA\_S (continued)**

**Blank (B2B1236-BLK1) - Continued**

Prepared: 2/28/2022 Analyzed: 2/28/2022

Ethylbenzene	ND	5.0	0.43
Freon-113	ND	5.0	1.3
Hexachlorobutadiene	ND	5.0	0.40
Isopropylbenzene	ND	5.0	0.79
m,p-Xylene	ND	10	0.98
Methylene chloride	ND	5.0	2.2
MTBE	ND	5.0	0.81
n-Butylbenzene	ND	5.0	1.2
n-Propylbenzene	ND	5.0	0.78
Naphthalene	ND	5.0	1.1
o-Xylene	ND	5.0	0.67
sec-Butylbenzene	ND	5.0	0.63
Styrene	ND	5.0	0.45
tert-Amyl methyl ether	ND	5.0	1.1
tert-Butanol	ND	100	11
tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	60.07	50.0000	120	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	47.77	50.0000	95.5	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	59.56	50.0000	119	77 - 159
<i>Surrogate: Toluene-d8</i>	48.33	50.0000	96.7	81 - 128

**Blank (B2B1236-BLK2)**

Prepared: 2/28/2022 Analyzed: 2/28/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52
1,1,1-Trichloroethane	ND	5.0	0.26
1,1,2,2-Tetrachloroethane	ND	5.0	0.21
1,1,2-Trichloroethane	ND	5.0	0.40
1,1-Dichloroethane	ND	5.0	1.4
1,1-Dichloroethene	ND	5.0	1.9
1,1-Dichloropropene	ND	5.0	0.54
1,2,3-Trichloropropane	ND	5.0	0.40
1,2,3-Trichlorobenzene	ND	5.0	0.83
1,2,4-Trichlorobenzene	ND	5.0	0.80
1,2,4-Trimethylbenzene	ND	5.0	0.91
1,2-Dibromo-3-chloropropane	ND	10	1.1
1,2-Dibromoethane	ND	5.0	0.40
1,2-Dichlorobenzene	ND	5.0	0.21
1,2-Dichloroethane	ND	5.0	0.50



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2B1236 - MSVOA\_S (continued)

#### Blank (B2B1236-BLK2) - Continued

Prepared: 2/28/2022 Analyzed: 2/28/2022

1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						
Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1236 - MSVOA\_S (continued)**

**Blank (B2B1236-BLK2) - Continued**

Prepared: 2/28/2022 Analyzed: 2/28/2022

tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	49.18		50.0000	98.4	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	46.58		50.0000	93.2	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	47.05		50.0000	94.1	77 - 159
<i>Surrogate: Toluene-d8</i>	49.18		50.0000	98.4	81 - 128

**LCS (B2B1236-BS1)**

Prepared: 2/28/2022 Analyzed: 2/28/2022

1,1,1,2-Tetrachloroethane	47.3000	5.0	0.52	50.0000	94.6	84 - 123
1,1,1-Trichloroethane	52.9800	5.0	0.26	50.0000	106	78 - 133
1,1,2,2-Tetrachloroethane	47.4000	5.0	0.21	50.0000	94.8	63 - 127
1,1,2-Trichloroethane	48.9200	5.0	0.40	50.0000	97.8	80 - 125
1,1-Dichloroethane	50.7400	5.0	1.4	50.0000	101	77 - 128
1,1-Dichloroethene	51.3600	5.0	1.9	50.0000	103	69 - 138
1,1-Dichloropropene	50.4100	5.0	0.54	50.0000	101	80 - 133
1,2,3-Trichloropropane	47.2200	5.0	0.40	50.0000	94.4	74 - 123
1,2,3-Trichlorobenzene	47.5300	5.0	0.83	50.0000	95.1	79 - 133
1,2,4-Trichlorobenzene	47.0600	5.0	0.80	50.0000	94.1	73 - 131
1,2,4-Trimethylbenzene	50.3700	5.0	0.91	50.0000	101	86 - 137
1,2-Dibromo-3-chloropropane	46.4200	10	1.1	50.0000	92.8	62 - 127
1,2-Dibromoethane	48.6500	5.0	0.40	50.0000	97.3	83 - 126
1,2-Dichlorobenzene	45.8200	5.0	0.21	50.0000	91.6	83 - 123
1,2-Dichloroethane	51.1600	5.0	0.50	50.0000	102	76 - 128
1,2-Dichloropropane	48.3700	5.0	0.46	50.0000	96.7	77 - 121
1,3,5-Trimethylbenzene	49.4900	5.0	0.70	50.0000	99.0	84 - 135
1,3-Dichlorobenzene	47.8900	5.0	0.36	50.0000	95.8	81 - 126
1,3-Dichloropropane	48.3300	5.0	0.49	50.0000	96.7	80 - 118
1,4-Dichlorobenzene	49.2700	5.0	0.27	50.0000	98.5	80 - 124
2,2-Dichloropropane	52.6100	5.0	0.28	50.0000	105	72 - 135
2-Chlorotoluene	48.1200	5.0	0.53	50.0000	96.2	81 - 127
4-Chlorotoluene	48.5100	5.0	0.40	50.0000	97.0	83 - 127
4-Isopropyltoluene	49.3200	5.0	0.81	50.0000	98.6	82 - 143
Benzene	49.6700	5.0	0.36	50.0000	99.3	84 - 123
Bromobenzene	48.6800	5.0	0.62	50.0000	97.4	80 - 122
Bromochloromethane	48.2600	5.0	0.30	50.0000	96.5	83 - 127
Bromodichloromethane	49.2300	5.0	0.52	50.0000	98.5	82 - 123
Bromoform	47.5400	5.0	1.4	50.0000	95.1	80 - 132
Bromomethane	71.3400	5.0	2.5	50.0000	143	67 - 176



## Certificate of Analysis

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 Reported : 03/04/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1236 - MSVOA_S (continued)</b>									
<b>LCS (B2B1236-BS1) - Continued</b>					Prepared: 2/28/2022 Analyzed: 2/28/2022				
Carbon disulfide	49.1200	5.0	0.94	50.0000		98.2	75 - 138		
Carbon tetrachloride	49.6400	5.0	0.73	50.0000		99.3	76 - 131		
Chlorobenzene	47.1700	5.0	0.42	50.0000		94.3	84 - 119		
Chloroethane	57.2300	5.0	1.5	50.0000		114	56 - 170		
Chloroform	49.9000	5.0	0.24	50.0000		99.8	78 - 129		
Chloromethane	51.0900	5.0	1.1	50.0000		102	63 - 141		
cis-1,2-Dichloroethene	38.5600	5.0	0.20	50.0000		77.1	83 - 125		L3
cis-1,3-Dichloropropene	44.9100	5.0	0.39	50.0000		89.8	76 - 129		
Di-isopropyl ether	48.5400	5.0	1.9	50.0000		97.1	73 - 132		
Dibromochloromethane	48.4300	5.0	0.81	50.0000		96.9	81 - 120		
Dibromomethane	47.7500	5.0	0.23	50.0000		95.5	79 - 124		
Dichlorodifluoromethane	50.6700	5.0	0.14	50.0000		101	18 - 199		
Ethyl Acetate	27.6400	50	7.0	500.000		5.53	76 - 138		MO
Ethyl Ether	554.990	50	17	500.000		111	74 - 128		
Ethyl tert-butyl ether	46.4900	5.0	0.85	50.0000		93.0	50 - 175		
Ethylbenzene	49.8300	5.0	0.43	50.0000		99.7	86 - 130		
Freon-113	60.0700	5.0	1.3	50.0000		120	66 - 132		
Hexachlorobutadiene	49.2300	5.0	0.40	50.0000		98.5	64 - 135		
Isopropylbenzene	50.2600	5.0	0.79	50.0000		101	80 - 133		
m,p-Xylene	96.9200	10	0.98	100.000		96.9	89 - 133		
Methylene chloride	48.7700	5.0	2.2	50.0000		97.5	72 - 143		
MTBE	46.4300	5.0	0.81	50.0000		92.9	73 - 136		
n-Butylbenzene	48.9900	5.0	1.2	50.0000		98.0	76 - 144		
n-Propylbenzene	49.9100	5.0	0.78	50.0000		99.8	81 - 136		
Naphthalene	45.3600	5.0	1.1	50.0000		90.7	64 - 128		
o-Xylene	49.3600	5.0	0.67	50.0000		98.7	82 - 134		
sec-Butylbenzene	48.7900	5.0	0.63	50.0000		97.6	81 - 138		
Styrene	48.3800	5.0	0.45	50.0000		96.8	79 - 152		
tert-Amyl methyl ether	49.2000	5.0	1.1	50.0000		98.4	48 - 166		
tert-Butanol	177.550	100	11	250.000		71.0	48 - 148		
tert-Butylbenzene	48.2200	5.0	0.80	50.0000		96.4	81 - 135		
Tetrachloroethene	48.2500	5.0	0.31	50.0000		96.5	75 - 127		
Toluene	48.9400	5.0	0.27	50.0000		97.9	88 - 130		
trans-1,2-Dichloroethene	65.5400	5.0	0.56	50.0000		131	79 - 127		L4
trans-1,3-Dichloropropene	47.5200	5.0	0.59	50.0000		95.0	80 - 130		
Trichloroethene	48.0400	5.0	0.32	50.0000		96.1	83 - 126		
Trichlorofluoromethane	58.3600	5.0	1.0	50.0000		117	62 - 143		
Vinyl acetate	36.0400	50	6.0	500.000		7.21	69 - 150		MO
Vinyl chloride	58.7600	5.0	0.92	50.0000		118	69 - 140		

Surrogate: 1,2-Dichloroethane-d4	53.11			50.0000		106	66 - 200		
Surrogate: 4-Bromofluorobenzene	50.30			50.0000		101	50 - 146		
Surrogate: Dibromofluoromethane	51.87			50.0000		104	77 - 159		
Surrogate: Toluene-d8	49.16			50.0000		98.3	81 - 128		

**LCS Dup (B2B1236-BSD1)**

Prepared: 2/28/2022 Analyzed: 2/28/2022



## Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/04/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1236 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2B1236-BSD1) - Continued</b>					Prepared: 2/28/2022 Analyzed: 2/28/2022				
1,1,1,2-Tetrachloroethane	49.5800	5.0	0.52	50.0000		99.2	84 - 123	4.71	20
1,1,1-Trichloroethane	51.5700	5.0	0.26	50.0000		103	78 - 133	2.70	20
1,1,2,2-Tetrachloroethane	46.7000	5.0	0.21	50.0000		93.4	63 - 127	1.49	20
1,1,2-Trichloroethane	48.8400	5.0	0.40	50.0000		97.7	80 - 125	0.164	20
1,1-Dichloroethane	50.7400	5.0	1.4	50.0000		101	77 - 128	0.00	20
1,1-Dichloroethene	51.3700	5.0	1.9	50.0000		103	69 - 138	0.0195	20
1,1-Dichloropropene	49.1500	5.0	0.54	50.0000		98.3	80 - 133	2.53	20
1,2,3-Trichloropropane	46.0900	5.0	0.40	50.0000		92.2	74 - 123	2.42	20
1,2,3-Trichlorobenzene	48.1800	5.0	0.83	50.0000		96.4	79 - 133	1.36	20
1,2,4-Trichlorobenzene	48.8500	5.0	0.80	50.0000		97.7	73 - 131	3.73	20
1,2,4-Trimethylbenzene	51.6300	5.0	0.91	50.0000		103	86 - 137	2.47	20
1,2-Dibromo-3-chloropropane	46.8800	10	1.1	50.0000		93.8	62 - 127	0.986	20
1,2-Dibromoethane	49.6800	5.0	0.40	50.0000		99.4	83 - 126	2.09	20
1,2-Dichlorobenzene	45.9400	5.0	0.21	50.0000		91.9	83 - 123	0.262	20
1,2-Dichloroethane	51.2600	5.0	0.50	50.0000		103	76 - 128	0.195	20
1,2-Dichloropropane	46.3100	5.0	0.46	50.0000		92.6	77 - 121	4.35	20
1,3,5-Trimethylbenzene	50.3000	5.0	0.70	50.0000		101	84 - 135	1.62	20
1,3-Dichlorobenzene	47.6800	5.0	0.36	50.0000		95.4	81 - 126	0.439	20
1,3-Dichloropropane	47.7300	5.0	0.49	50.0000		95.5	80 - 118	1.25	20
1,4-Dichlorobenzene	49.2700	5.0	0.27	50.0000		98.5	80 - 124	0.00	20
2,2-Dichloropropane	51.1800	5.0	0.28	50.0000		102	72 - 135	2.76	20
2-Chlorotoluene	49.8400	5.0	0.53	50.0000		99.7	81 - 127	3.51	20
4-Chlorotoluene	50.6600	5.0	0.40	50.0000		101	83 - 127	4.34	20
4-Isopropyltoluene	49.5700	5.0	0.81	50.0000		99.1	82 - 143	0.506	20
Benzene	50.6300	5.0	0.36	50.0000		101	84 - 123	1.91	20
Bromobenzene	47.6400	5.0	0.62	50.0000		95.3	80 - 122	2.16	20
Bromochloromethane	45.8400	5.0	0.30	50.0000		91.7	83 - 127	5.14	20
Bromodichloromethane	51.3200	5.0	0.52	50.0000		103	82 - 123	4.16	20
Bromoform	48.0900	5.0	1.4	50.0000		96.2	80 - 132	1.15	20
Bromomethane	75.4400	5.0	2.5	50.0000		151	67 - 176	5.59	20
Carbon disulfide	50.0100	5.0	0.94	50.0000		100	75 - 138	1.80	20
Carbon tetrachloride	52.3700	5.0	0.73	50.0000		105	76 - 131	5.35	20
Chlorobenzene	48.4500	5.0	0.42	50.0000		96.9	84 - 119	2.68	20
Chloroethane	58.7300	5.0	1.5	50.0000		117	56 - 170	2.59	20
Chloroform	48.3500	5.0	0.24	50.0000		96.7	78 - 129	3.16	20
Chloromethane	53.8800	5.0	1.1	50.0000		108	63 - 141	5.32	20
cis-1,2-Dichloroethene	37.1800	5.0	0.20	50.0000		74.4	83 - 125	3.64	20 L3
cis-1,3-Dichloropropene	43.6500	5.0	0.39	50.0000		87.3	76 - 129	2.85	20
Di-isopropyl ether	47.3300	5.0	1.9	50.0000		94.7	73 - 132	2.52	20
Dibromochloromethane	45.7000	5.0	0.81	50.0000		91.4	81 - 120	5.80	20
Dibromomethane	48.9700	5.0	0.23	50.0000		97.9	79 - 124	2.52	20
Dichlorodifluoromethane	50.5900	5.0	0.14	50.0000		101	18 - 199	0.158	20
Ethyl Acetate	12.3500	50	7.0	500.000		2.47	76 - 138	76.5	20 MO
Ethyl Ether	559.720	50	17	500.000		112	74 - 128	0.849	20
Ethyl tert-butyl ether	48.5100	5.0	0.85	50.0000		97.0	50 - 175	4.25	20



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1236 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2B1236-BSD1) - Continued</b>										
					Prepared: 2/28/2022 Analyzed: 2/28/2022					
Ethylbenzene	49.8800	5.0	0.43	50.0000		99.8	86 - 130	0.100	20	
Freon-113	60.1700	5.0	1.3	50.0000		120	66 - 132	0.166	20	
Hexachlorobutadiene	53.2800	5.0	0.40	50.0000		107	64 - 135	7.90	20	
Isopropylbenzene	49.8300	5.0	0.79	50.0000		99.7	80 - 133	0.859	20	
m,p-Xylene	98.0100	10	0.98	100.000		98.0	89 - 133	1.12	20	
Methylene chloride	48.0100	5.0	2.2	50.0000		96.0	72 - 143	1.57	20	
MTBE	46.5000	5.0	0.81	50.0000		93.0	73 - 136	0.151	20	
n-Butylbenzene	50.1200	5.0	1.2	50.0000		100	76 - 144	2.28	20	
n-Propylbenzene	49.6600	5.0	0.78	50.0000		99.3	81 - 136	0.502	20	
Naphthalene	45.9700	5.0	1.1	50.0000		91.9	64 - 128	1.34	20	
o-Xylene	49.3400	5.0	0.67	50.0000		98.7	82 - 134	0.0405	20	
sec-Butylbenzene	50.0300	5.0	0.63	50.0000		100	81 - 138	2.51	20	
Styrene	48.7000	5.0	0.45	50.0000		97.4	79 - 152	0.659	20	
tert-Amyl methyl ether	47.7000	5.0	1.1	50.0000		95.4	48 - 166	3.10	20	
tert-Butanol	172.210	100	11	250.000		68.9	48 - 148	3.05	20	
tert-Butylbenzene	50.1400	5.0	0.80	50.0000		100	81 - 135	3.90	20	
Tetrachloroethene	49.1600	5.0	0.31	50.0000		98.3	75 - 127	1.87	20	
Toluene	51.5800	5.0	0.27	50.0000		103	88 - 130	5.25	20	
trans-1,2-Dichloroethene	67.6000	5.0	0.56	50.0000		135	79 - 127	3.09	20	L5
trans-1,3-Dichloropropene	48.4200	5.0	0.59	50.0000		96.8	80 - 130	1.88	20	
Trichloroethene	50.6300	5.0	0.32	50.0000		101	83 - 126	5.25	20	
Trichlorofluoromethane	56.8900	5.0	1.0	50.0000		114	62 - 143	2.55	20	
Vinyl acetate	20.4700	50	6.0	500.000		4.09	69 - 150	55.1	20	MO
Vinyl chloride	58.0700	5.0	0.92	50.0000		116	69 - 140	1.18	20	
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Surrogate: 1,2-Dichloroethane-d4	52.55			50.0000		105	66 - 200			
Surrogate: 4-Bromofluorobenzene	48.30			50.0000		96.6	50 - 146			
Surrogate: Dibromofluoromethane	51.47			50.0000		103	77 - 159			
Surrogate: Toluene-d8	50.28			50.0000		101	81 - 128			



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0873 - MSVOA\_S**

**Blank (B2C0873-BLK1)**

Prepared: 3/1/2022 Analyzed: 3/1/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0873 - MSVOA\_S (continued)**

**Blank (B2C0873-BLK1) - Continued**

Prepared: 3/1/2022 Analyzed: 3/1/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.68		50.0000		103	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	48.95		50.0000		97.9	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	48.38		50.0000		96.8	77 - 159
<i>Surrogate: Toluene-d8</i>	49.21		50.0000		98.4	81 - 128

**LCS (B2C0873-BS1)**

Prepared: 3/1/2022 Analyzed: 3/1/2022

1,1,1,2-Tetrachloroethane	49.0800	5.0	0.52	50.0000	98.2	84 - 123
1,1,1-Trichloroethane	53.5900	5.0	0.26	50.0000	107	78 - 133
1,1,2,2-Tetrachloroethane	53.1000	5.0	0.21	50.0000	106	63 - 127
1,1,2-Trichloroethane	53.4800	5.0	0.40	50.0000	107	80 - 125
1,1-Dichloroethane	56.2100	5.0	1.4	50.0000	112	77 - 128
1,1-Dichloroethene	49.2300	5.0	1.9	50.0000	98.5	69 - 138
1,1-Dichloropropene	50.8500	5.0	0.54	50.0000	102	80 - 133
1,2,3-Trichloropropane	52.4900	5.0	0.40	50.0000	105	74 - 123
1,2,3-Trichlorobenzene	52.9600	5.0	0.83	50.0000	106	79 - 133
1,2,4-Trichlorobenzene	53.2900	5.0	0.80	50.0000	107	73 - 131
1,2,4-Trimethylbenzene	54.4000	5.0	0.91	50.0000	109	86 - 137
1,2-Dibromo-3-chloropropane	51.4700	10	1.1	50.0000	103	62 - 127
1,2-Dibromoethane	52.3900	5.0	0.40	50.0000	105	83 - 126
1,2-Dichlorobenzene	51.4900	5.0	0.21	50.0000	103	83 - 123
1,2-Dichloroethane	52.5800	5.0	0.50	50.0000	105	76 - 128





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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0873 - MSVOA\_S (continued)**

**LCS (B2C0873-BS1) - Continued**

Prepared: 3/1/2022 Analyzed: 3/1/2022

1,2-Dichloropropane	54.8800	5.0	0.46	50.0000		110	77 - 121		
1,3,5-Trimethylbenzene	52.2500	5.0	0.70	50.0000		104	84 - 135		
1,3-Dichlorobenzene	52.5300	5.0	0.36	50.0000		105	81 - 126		
1,3-Dichloropropane	52.9500	5.0	0.49	50.0000		106	80 - 118		
1,4-Dichlorobenzene	52.5600	5.0	0.27	50.0000		105	80 - 124		
2,2-Dichloropropane	53.5300	5.0	0.28	50.0000		107	72 - 135		
2-Chlorotoluene	52.8300	5.0	0.53	50.0000		106	81 - 127		
4-Chlorotoluene	53.5600	5.0	0.40	50.0000		107	83 - 127		
4-Isopropyltoluene	52.7100	5.0	0.81	50.0000		105	82 - 143		
Benzene	52.8800	5.0	0.36	50.0000		106	84 - 123		
Bromobenzene	55.4500	5.0	0.62	50.0000		111	80 - 122		
Bromochloromethane	54.9800	5.0	0.30	50.0000		110	83 - 127		
Bromodichloromethane	53.6600	5.0	0.52	50.0000		107	82 - 123		
Bromoform	48.6600	5.0	1.4	50.0000		97.3	80 - 132		
Bromomethane	64.8700	5.0	2.5	50.0000		130	67 - 176		
Carbon disulfide	50.8600	5.0	0.94	50.0000		102	75 - 138		
Carbon tetrachloride	48.2000	5.0	0.73	50.0000		96.4	76 - 131		
Chlorobenzene	50.9800	5.0	0.42	50.0000		102	84 - 119		
Chloroethane	61.1800	5.0	1.5	50.0000		122	56 - 170		
Chloroform	54.6400	5.0	0.24	50.0000		109	78 - 129		
Chloromethane	60.2200	5.0	1.1	50.0000		120	63 - 141		
cis-1,2-Dichloroethene	44.4600	5.0	0.20	50.0000		88.9	83 - 125		
cis-1,3-Dichloropropene	48.1800	5.0	0.39	50.0000		96.4	76 - 129		
Di-isopropyl ether	59.8900	5.0	1.9	50.0000		120	73 - 132		
Dibromochloromethane	49.7000	5.0	0.81	50.0000		99.4	81 - 120		
Dibromomethane	48.5600	5.0	0.23	50.0000		97.1	79 - 124		
Dichlorodifluoromethane	51.9100	5.0	0.14	50.0000		104	18 - 199		
Ethyl Acetate	13.4800	50	7.0	500.000		2.70	76 - 138		MO
Ethyl Ether	628.840	50	17	500.000		126	74 - 128		
Ethyl tert-butyl ether	54.1200	5.0	0.85	50.0000		108	50 - 175		
Ethylbenzene	51.2500	5.0	0.43	50.0000		102	86 - 130		
Freon-113	59.1100	5.0	1.3	50.0000		118	66 - 132		
Hexachlorobutadiene	51.4600	5.0	0.40	50.0000		103	64 - 135		
Isopropylbenzene	57.0000	5.0	0.79	50.0000		114	80 - 133		
m,p-Xylene	99.4700	10	0.98	100.000		99.5	89 - 133		
Methylene chloride	56.5000	5.0	2.2	50.0000		113	72 - 143		
MTBE	51.7700	5.0	0.81	50.0000		104	73 - 136		
n-Butylbenzene	53.2000	5.0	1.2	50.0000		106	76 - 144		
n-Propylbenzene	53.3500	5.0	0.78	50.0000		107	81 - 136		
Naphthalene	53.0200	5.0	1.1	50.0000		106	64 - 128		
o-Xylene	51.3200	5.0	0.67	50.0000		103	82 - 134		
sec-Butylbenzene	52.9600	5.0	0.63	50.0000		106	81 - 138		
Styrene	50.3100	5.0	0.45	50.0000		101	79 - 152		
tert-Amyl methyl ether	55.2600	5.0	1.1	50.0000		111	48 - 166		
tert-Butanol	210.550	100	11	250.000		84.2	48 - 148		



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0873 - MSVOA_S (continued)</b>									
<b>LCS (B2C0873-BS1) - Continued</b>					Prepared: 3/1/2022 Analyzed: 3/1/2022				
tert-Butylbenzene	51.6800	5.0	0.80	50.0000		103	81 - 135		
Tetrachloroethene	48.9100	5.0	0.31	50.0000		97.8	75 - 127		
Toluene	52.9100	5.0	0.27	50.0000		106	88 - 130		
trans-1,2-Dichloroethene	73.8600	5.0	0.56	50.0000		148	79 - 127		L5
trans-1,3-Dichloropropene	48.1700	5.0	0.59	50.0000		96.3	80 - 130		
Trichloroethene	53.2200	5.0	0.32	50.0000		106	83 - 126		
Trichlorofluoromethane	60.3200	5.0	1.0	50.0000		121	62 - 143		
Vinyl acetate	22.7300	50	6.0	500.000		4.55	69 - 150		MO
Vinyl chloride	63.5700	5.0	0.92	50.0000		127	69 - 140		

<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.78			50.0000		104	66 - 200		
<i>Surrogate: 4-Bromofluorobenzene</i>	49.44			50.0000		98.9	50 - 146		
<i>Surrogate: Dibromofluoromethane</i>	51.67			50.0000		103	77 - 159		
<i>Surrogate: Toluene-d8</i>	49.50			50.0000		99.0	81 - 128		

<b>LCS Dup (B2C0873-BSD1)</b>					Prepared: 3/1/2022 Analyzed: 3/1/2022					
1,1,1,2-Tetrachloroethane	40.1800	5.0	0.52	50.0000		80.4	84 - 123	19.9	20	L3
1,1,1-Trichloroethane	42.9500	5.0	0.26	50.0000		85.9	78 - 133	22.0	20	R
1,1,2,2-Tetrachloroethane	41.5600	5.0	0.21	50.0000		83.1	63 - 127	24.4	20	R
1,1,2-Trichloroethane	41.5600	5.0	0.40	50.0000		83.1	80 - 125	25.1	20	R
1,1-Dichloroethane	43.6300	5.0	1.4	50.0000		87.3	77 - 128	25.2	20	R
1,1-Dichloroethene	42.3100	5.0	1.9	50.0000		84.6	69 - 138	15.1	20	
1,1-Dichloropropene	43.5400	5.0	0.54	50.0000		87.1	80 - 133	15.5	20	
1,2,3-Trichloropropane	39.6600	5.0	0.40	50.0000		79.3	74 - 123	27.8	20	R
1,2,3-Trichlorobenzene	39.8000	5.0	0.83	50.0000		79.6	79 - 133	28.4	20	R
1,2,4-Trichlorobenzene	42.5400	5.0	0.80	50.0000		85.1	73 - 131	22.4	20	R
1,2,4-Trimethylbenzene	43.2000	5.0	0.91	50.0000		86.4	86 - 137	23.0	20	R
1,2-Dibromo-3-chloropropane	34.8700	10	1.1	50.0000		69.7	62 - 127	38.5	20	R
1,2-Dibromoethane	44.0400	5.0	0.40	50.0000		88.1	83 - 126	17.3	20	
1,2-Dichlorobenzene	38.7100	5.0	0.21	50.0000		77.4	83 - 123	28.3	20	L3, R
1,2-Dichloroethane	42.2000	5.0	0.50	50.0000		84.4	76 - 128	21.9	20	R
1,2-Dichloropropane	41.4900	5.0	0.46	50.0000		83.0	77 - 121	27.8	20	R
1,3,5-Trimethylbenzene	42.0400	5.0	0.70	50.0000		84.1	84 - 135	21.7	20	R
1,3-Dichlorobenzene	39.9700	5.0	0.36	50.0000		79.9	81 - 126	27.2	20	L3, R
1,3-Dichloropropane	42.5400	5.0	0.49	50.0000		85.1	80 - 118	21.8	20	R
1,4-Dichlorobenzene	40.0800	5.0	0.27	50.0000		80.2	80 - 124	26.9	20	R
2,2-Dichloropropane	44.2900	5.0	0.28	50.0000		88.6	72 - 135	18.9	20	
2-Chlorotoluene	41.9500	5.0	0.53	50.0000		83.9	81 - 127	23.0	20	R
4-Chlorotoluene	42.3100	5.0	0.40	50.0000		84.6	83 - 127	23.5	20	R
4-Isopropyltoluene	41.4400	5.0	0.81	50.0000		82.9	82 - 143	23.9	20	R
Benzene	43.4200	5.0	0.36	50.0000		86.8	84 - 123	19.6	20	
Bromobenzene	40.0100	5.0	0.62	50.0000		80.0	80 - 122	32.3	20	R
Bromochloromethane	40.5800	5.0	0.30	50.0000		81.2	83 - 127	30.1	20	L3, R
Bromodichloromethane	40.4000	5.0	0.52	50.0000		80.8	82 - 123	28.2	20	L3, R
Bromoform	38.3400	5.0	1.4	50.0000		76.7	80 - 132	23.7	20	L3, R
Bromomethane	53.2800	5.0	2.5	50.0000		107	67 - 176	19.6	20	



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0873 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C0873-BSD1) - Continued</b>										
					Prepared: 3/1/2022 Analyzed: 3/1/2022					
Carbon disulfide	40.3300	5.0	0.94	50.0000		80.7	75 - 138	23.1	20	R
Carbon tetrachloride	38.6800	5.0	0.73	50.0000		77.4	76 - 131	21.9	20	R
Chlorobenzene	39.9500	5.0	0.42	50.0000		79.9	84 - 119	24.3	20	L3, R
Chloroethane	46.8800	5.0	1.5	50.0000		93.8	56 - 170	26.5	20	R
Chloroform	44.0200	5.0	0.24	50.0000		88.0	78 - 129	21.5	20	R
Chloromethane	46.4900	5.0	1.1	50.0000		93.0	63 - 141	25.7	20	R
cis-1,2-Dichloroethene	34.6900	5.0	0.20	50.0000		69.4	83 - 125	24.7	20	L3, R
cis-1,3-Dichloropropene	37.4500	5.0	0.39	50.0000		74.9	76 - 129	25.1	20	L3, R
Di-isopropyl ether	45.7000	5.0	1.9	50.0000		91.4	73 - 132	26.9	20	R
Dibromochloromethane	40.3000	5.0	0.81	50.0000		80.6	81 - 120	20.9	20	L3, R
Dibromomethane	39.6100	5.0	0.23	50.0000		79.2	79 - 124	20.3	20	R
Dichlorodifluoromethane	40.1400	5.0	0.14	50.0000		80.3	18 - 199	25.6	20	R
Ethyl Acetate	11.7100	50	7.0	500.000		2.34	76 - 138	14.1	20	MO
Ethyl Ether	470.550	50	17	500.000		94.1	74 - 128	28.8	20	R
Ethyl tert-butyl ether	42.4700	5.0	0.85	50.0000		84.9	50 - 175	24.1	20	R
Ethylbenzene	42.7800	5.0	0.43	50.0000		85.6	86 - 130	18.0	20	L3
Freon-113	47.9800	5.0	1.3	50.0000		96.0	66 - 132	20.8	20	R
Hexachlorobutadiene	40.2900	5.0	0.40	50.0000		80.6	64 - 135	24.3	20	R
Isopropylbenzene	44.4500	5.0	0.79	50.0000		88.9	80 - 133	24.7	20	R
m,p-Xylene	84.6600	10	0.98	100.000		84.7	89 - 133	16.1	20	L3
Methylene chloride	44.7400	5.0	2.2	50.0000		89.5	72 - 143	23.2	20	R
MTBE	41.9300	5.0	0.81	50.0000		83.9	73 - 136	21.0	20	R
n-Butylbenzene	41.9400	5.0	1.2	50.0000		83.9	76 - 144	23.7	20	R
n-Propylbenzene	42.7700	5.0	0.78	50.0000		85.5	81 - 136	22.0	20	R
Naphthalene	39.9800	5.0	1.1	50.0000		80.0	64 - 128	28.0	20	R
o-Xylene	42.3000	5.0	0.67	50.0000		84.6	82 - 134	19.3	20	
sec-Butylbenzene	41.7100	5.0	0.63	50.0000		83.4	81 - 138	23.8	20	R
Styrene	41.8600	5.0	0.45	50.0000		83.7	79 - 152	18.3	20	
tert-Amyl methyl ether	45.4000	5.0	1.1	50.0000		90.8	48 - 166	19.6	20	
tert-Butanol	172.370	100	11	250.000		68.9	48 - 148	19.9	20	
tert-Butylbenzene	41.3400	5.0	0.80	50.0000		82.7	81 - 135	22.2	20	R
Tetrachloroethene	41.1100	5.0	0.31	50.0000		82.2	75 - 127	17.3	20	
Toluene	42.0800	5.0	0.27	50.0000		84.2	88 - 130	22.8	20	L3, R
trans-1,2-Dichloroethene	59.2500	5.0	0.56	50.0000		118	79 - 127	22.0	20	R
trans-1,3-Dichloropropene	38.7400	5.0	0.59	50.0000		77.5	80 - 130	21.7	20	R
Trichloroethene	42.6000	5.0	0.32	50.0000		85.2	83 - 126	22.2	20	R
Trichlorofluoromethane	46.9200	5.0	1.0	50.0000		93.8	62 - 143	25.0	20	R
Vinyl acetate	19.3600	50	6.0	500.000		3.87	69 - 150	16.0	20	MO
Vinyl chloride	47.3800	5.0	0.92	50.0000		94.8	69 - 140	29.2	20	R
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	47.81			50.0000		95.6	66 - 200			
Surrogate: 4-Bromofluorobenzene	50.60			50.0000		101	50 - 146			
Surrogate: Dibromofluoromethane	51.78			50.0000		104	77 - 159			
Surrogate: Toluene-d8	49.19			50.0000		98.4	81 - 128			



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/04/2022

### Semivolatile Organic Compounds by EPA 8270/SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1228 - MSSEMI\_S**

**Blank (B2B1228-BLK1)**

Prepared: 2/28/2022 Analyzed: 3/2/2022

2-Methylnaphthalene	ND	10	1.2							
Acenaphthene	ND	10	0.81							
Acenaphthylene	ND	10	0.82							
Anthracene	ND	10	1.1							
Benzo(a)anthracene	ND	10	1.1							
Benzo(a)pyrene	ND	10	1.4							
Benzo(b)fluoranthene	ND	10	4.3							
Benzo(g,h,i)perylene	30.2647	10	1.6							B6
Benzo(k)fluoranthene	ND	10	1.4							
Chrysene	ND	10	1.2							
Dibenz(a,h)anthracene	11.0180	10	1.8							B6
Fluoranthene	ND	10	0.90							
Fluorene	ND	10	0.70							
Indeno(1,2,3-cd)pyrene	10.7607	10	1.6							B6
Naphthalene	ND	10	1.1							
Phenanthrene	ND	10	0.68							
Pyrene	ND	10	1.0							

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	48.53			66.6667		72.8	12 - 125			
<i>Surrogate: 2-Fluorobiphenyl</i>	54.63			66.6667		81.9	14 - 139			
<i>Surrogate: Nitrobenzene-d5</i>	34.10			66.6667		51.1	8 - 155			
<i>Surrogate: 4-Terphenyl-d14</i>	76.24			66.6667		114	16 - 152			

**LCS (B2B1228-BS1)**

Prepared: 2/28/2022 Analyzed: 3/2/2022

2-Methylnaphthalene	42.0460	10	1.2	66.6667	63.1	39 - 92				
Acenaphthene	50.1860	10	0.81	66.6667	75.3	35 - 94				
Acenaphthylene	57.4440	10	0.82	66.6667	86.2	31 - 101				
Anthracene	50.2387	10	1.1	66.6667	75.4	37 - 95				
Benzo(a)anthracene	48.5093	10	1.1	66.6667	72.8	43 - 102				
Benzo(a)pyrene	59.6273	10	1.4	66.6667	89.4	38 - 95				
Benzo(b)fluoranthene	53.3313	10	4.3	66.6667	80.0	44 - 102				
Benzo(g,h,i)perylene	52.6527	10	1.6	66.6667	79.0	34 - 114				B
Benzo(k)fluoranthene	56.7393	10	1.4	66.6667	85.1	34 - 110				
Chrysene	61.6220	10	1.2	66.6667	92.4	46 - 101				
Dibenz(a,h)anthracene	42.4133	10	1.8	66.6667	63.6	35 - 117				B
Fluoranthene	56.0393	10	0.90	66.6667	84.1	46 - 107				
Fluorene	49.1293	10	0.70	66.6667	73.7	35 - 98				
Indeno(1,2,3-cd)pyrene	43.9560	10	1.6	66.6667	65.9	35 - 114				B
Naphthalene	46.2367	10	1.1	66.6667	69.4	39 - 86				
Phenanthrene	55.1220	10	0.68	66.6667	82.7	43 - 98				
Pyrene	57.0473	10	1.0	66.6667	85.6	44 - 108				

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	49.75			66.6667	74.6	12 - 125				
<i>Surrogate: 2-Fluorobiphenyl</i>	54.91			66.6667	82.4	14 - 139				
<i>Surrogate: Nitrobenzene-d5</i>	45.97			66.6667	69.0	8 - 155				
<i>Surrogate: 4-Terphenyl-d14</i>	66.61			66.6667	99.9	16 - 152				



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/04/2022

### Semivolatile Organic Compounds by EPA 8270/SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1228 - MSSEMI\_S (continued)**

**Matrix Spike (B2B1228-MS1)**

**Source: 2200233-12**

Prepared: 2/28/2022 Analyzed: 3/2/2022

2-Methylnaphthalene	41.6133	10	1.2	66.6667	ND	62.4	43 - 120			
Acenaphthene	57.6813	10	0.81	66.6667	ND	86.5	52 - 113			
Acenaphthylene	61.3140	10	0.82	66.6667	ND	92.0	44 - 126			
Anthracene	53.4680	10	1.1	66.6667	ND	80.2	49 - 128			
Benzo(a)anthracene	54.2433	10	1.1	66.6667	ND	81.4	32 - 158			
Benzo(a)pyrene	64.9887	10	1.4	66.6667	ND	97.5	39 - 137			
Benzo(b)fluoranthene	58.1153	10	4.3	66.6667	ND	87.2	52 - 132			
Benzo(g,h,i)perylene	57.4273	10	1.6	66.6667	ND	86.1	35 - 162			B
Benzo(k)fluoranthene	62.4247	10	1.4	66.6667	ND	93.6	18 - 153			
Chrysene	67.6787	10	1.2	66.6667	ND	102	25 - 160			
Dibenz(a,h)anthracene	54.6947	10	1.8	66.6667	ND	82.0	41 - 155			B
Fluoranthene	60.8753	10	0.90	66.6667	ND	91.3	5 - 185			
Fluorene	56.8693	10	0.70	66.6667	ND	85.3	28 - 135			
Indeno(1,2,3-cd)pyrene	54.2987	10	1.6	66.6667	ND	81.4	36 - 162			B
Naphthalene	42.6093	10	1.1	66.6667	ND	63.9	41 - 113			
Phenanthrene	56.9680	10	0.68	66.6667	ND	85.5	35 - 143			
Pyrene	60.6407	10	1.0	66.6667	ND	91.0	10 - 184			

Surrogate: 1,2-Dichlorobenzene-d4	39.80			66.6667		59.7	12 - 125			
Surrogate: 2-Fluorobiphenyl	52.03			66.6667		78.0	14 - 139			
Surrogate: Nitrobenzene-d5	37.21			66.6667		55.8	8 - 155			
Surrogate: 4-Terphenyl-d14	71.94			66.6667		108	16 - 152			

**Matrix Spike Dup (B2B1228-MSD1)**

**Source: 2200233-12**

Prepared: 2/28/2022 Analyzed: 3/2/2022

2-Methylnaphthalene	38.8313	10	1.2	66.6667	ND	58.2	43 - 120	6.92	20	
Acenaphthene	53.1460	10	0.81	66.6667	ND	79.7	52 - 113	8.18	20	
Acenaphthylene	59.0060	10	0.82	66.6667	ND	88.5	44 - 126	3.84	20	
Anthracene	54.5107	10	1.1	66.6667	ND	81.8	49 - 128	1.93	20	
Benzo(a)anthracene	52.8400	10	1.1	66.6667	ND	79.3	32 - 158	2.62	20	
Benzo(a)pyrene	64.4647	10	1.4	66.6667	ND	96.7	39 - 137	0.810	20	
Benzo(b)fluoranthene	61.3273	10	4.3	66.6667	ND	92.0	52 - 132	5.38	20	
Benzo(g,h,i)perylene	55.5040	10	1.6	66.6667	ND	83.3	35 - 162	3.41	20	B
Benzo(k)fluoranthene	63.5787	10	1.4	66.6667	ND	95.4	18 - 153	1.83	20	
Chrysene	67.2653	10	1.2	66.6667	ND	101	25 - 160	0.613	20	
Dibenz(a,h)anthracene	46.3647	10	1.8	66.6667	ND	69.5	41 - 155	16.5	20	B
Fluoranthene	60.0587	10	0.90	66.6667	ND	90.1	5 - 185	1.35	20	
Fluorene	54.8087	10	0.70	66.6667	ND	82.2	28 - 135	3.69	20	
Indeno(1,2,3-cd)pyrene	51.5480	10	1.6	66.6667	ND	77.3	36 - 162	5.20	20	B
Naphthalene	41.8033	10	1.1	66.6667	ND	62.7	41 - 113	1.91	20	
Phenanthrene	57.9207	10	0.68	66.6667	ND	86.9	35 - 143	1.66	20	
Pyrene	62.6687	10	1.0	66.6667	ND	94.0	10 - 184	3.29	20	

Surrogate: 1,2-Dichlorobenzene-d4	39.44			66.6667		59.2	12 - 125			
Surrogate: 2-Fluorobiphenyl	51.29			66.6667		76.9	14 - 139			
Surrogate: Nitrobenzene-d5	36.06			66.6667		54.1	8 - 155			
Surrogate: 4-Terphenyl-d14	68.45			66.6667		103	16 - 152			

2200233

2.8°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		PROJECT NAME: Ontario Airport	PROJECT NO.: 5925
TEL: (949) 679-1070		PROJECT CONTACT: Vinnie Robino / Josh Voss	LAB CONTACT: Victoria Michel
E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		GLOBAL ID:	SAMPLER(S): (PRINT) Tiam Novin / Josh Voss

LABORATORY: Advanced Technology Laboratories

TURNAROUND TIME:  SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	REQUESTED ANALYSES										HOLD			
		DATE	TIME						T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCs 8081A	Herbicides 8051					
	1	61C-4-1-1	2/23/22	0925	Soil	1			X													
	2	61C-4-1-5		0955		5			X	X	X											
	3	61C-4-3-1		1023		1			X													
	4	61C-4-3-5.5		1035		5			X	X	X											
	5	61C-4-2-1.5		1124		1			X													
	6	61C-4-2-5.5		1135		5			X	X	X											
	7	61C-4-4-1		1215		1			X													
	8	61C-4-4-5.5		1228		5			X	X	X											
	9	61C-4-5-1		1250		1			X													
	10	61C-4-5-5.5		1300		5			X	X	X											
	11	61C-8-1-1		1318		1			X													
	12	61C-8-1-5.5		1344		5			X	X	X	X										
	13	61C-8-2-1		1410		1			X													
	14	61C-8-2-5.5		1430		5			X	X	X	X										
	15	61C-8																				

Relinquished by: (Signature) <i>Tiam Novin</i>	Received by: (Signature) <i>[Signature]</i>	Date: 2/23/22	Time: 1645
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>Ethan Tran</i>	Date: 2/23/22	Time: 1805
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

2200233

2.8°C

<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	<b>PROJECT NAME:</b> Ontario Airport  <b>PROJECT CONTACT:</b> Vinnie Robino / Josh Voss  <b>GLOBAL ID:</b>	<b>PROJECT NO.:</b> 5925  <b>LAB CONTACT:</b> Victoria Michel  <b>SAMPLER(S); (PRINT)</b> Tiam Nain / Josh Voss
---	--	--

**TEL:** (949) 679-1070      **E-MAIL:** vprobino@gsi-net.com / jcvoss@gsi-net.com

**LABORATORY:** Advanced Technology Laboratories

**TURNAROUND TIME:**  
 SAME DAY     24 HR     48 HR  
 72 HR         5 DAYS     STANDARD

**SPECIAL INSTRUCTIONS:** GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

**REQUESTED ANALYSES**  
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	ANALYSES										HOLD				
		DATE	TIME						T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051						
15	TB-20220223	2/23/22	1457	water	4				X													X	

Relinquished by: (Signature) <u>Tiam Nain</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>2/23/22</u>	Time: <u>1645</u>
Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>2/23/22</u>	Time: <u>1809</u>
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 07, 2022

Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

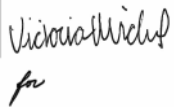
Re: ATL Work Order Number : 2200246

Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on February 24, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 03/07/22 09:19 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.





## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61C-8-3-1	2200246-01	Soil	2/24/22 8:00	2/24/22 17:50
61C-8-3-5.5	2200246-02	Soil	2/24/22 8:15	2/24/22 17:50
61C-8-4-1	2200246-03	Soil	2/24/22 8:38	2/24/22 17:50
61C-8-4-5.5	2200246-04	Soil	2/24/22 8:48	2/24/22 17:50
61C-8-5-1	2200246-05	Soil	2/24/22 9:38	2/24/22 17:50
61C-8-5-5.5	2200246-06	Soil	2/24/22 9:50	2/24/22 17:50
61C-8-6-SV10-1	2200246-07	Soil	2/24/22 10:20	2/24/22 17:50
61C-8-6-SV10-5.5	2200246-08	Soil	2/24/22 10:30	2/24/22 17:50
SV-9-1	2200246-09	Soil	2/24/22 12:05	2/24/22 17:50
SV-9-5.5	2200246-10	Soil	2/24/22 12:25	2/24/22 17:50
SV-9-15	2200246-11	Soil	2/24/22 12:28	2/24/22 17:50
SV-3-1	2200246-12	Soil	2/24/22 13:38	2/24/22 17:50
SV-3-5.5	2200246-13	Soil	2/24/22 13:48	2/24/22 17:50
SV-3-13	2200246-14	Soil	2/24/22 14:05	2/24/22 17:50



# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

## Notes and Definitions

- R RPD value outside acceptance criteria. Calculation is based on raw values.
- MO Manufacturer omitted analyte within the stock standard.
- M2 Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
- L5 Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
- L4 Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
- L3 Laboratory control sample outside in-house established limits but within method criteria.
- ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)

- Notes:
- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
  - (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
  - (3) Results are wet unless otherwise specified.

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: JF

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200246-01	61C-8-3-1	ND	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22	11:11	
2200246-03	61C-8-4-1	ND	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22	11:31	
2200246-05	61C-8-5-1	ND	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22	11:34	
2200246-07	61C-8-6-SV10-1	ND	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22	11:39	
2200246-09	SV-9-1	ND	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22	11:42	
2200246-12	SV-3-1	ND	mg/kg	0.10	1	B2B1223	02/28/2022	03/01/22	11:51	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-3-1**  
**Lab ID: 2200246-01**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
<b>Barium</b>	<b>82</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
<b>Beryllium</b>	<b>2.7</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
<b>Cobalt</b>	<b>4.8</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
<b>Copper</b>	<b>12</b>	2.0	1	B2C0881	03/01/2022	03/02/22 15:14	
<b>Lead</b>	<b>2.3</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
<b>Nickel</b>	<b>5.1</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
<b>Selenium</b>	<b>1.4</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
<b>Silver</b>	<b>5.4</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	
<b>Zinc</b>	<b>32</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:14	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

**Client Sample ID: 61C-8-3-5.5**

**Lab ID: 2200246-02**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.95	1	B2B1221	03/02/2022	03/02/22 00:16	
C4-C12	ND	0.95	1	B2B1221	03/02/2022	03/02/22 00:16	
C6-C12	ND	0.95	1	B2B1221	03/02/2022	03/02/22 00:16	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>82.6 %</i>	<i>47.6 - 121.18</i>		B2B1221	03/02/2022	<i>03/02/22 00:16</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/25/22 23:09	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/25/22 23:09	
<i>Surrogate: p-Terphenyl</i>	<i>105 %</i>	<i>62 - 141</i>		B2B1211	02/25/2022	<i>02/25/22 23:09</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1,1-Trichloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1,2-Trichloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1-Dichloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1-Dichloroethene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,1-Dichloropropene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2,3-Trichloropropane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2,3-Trichlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2,4-Trichlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2,4-Trimethylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2-Dibromo-3-chloropropane	ND	9.7	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2-Dibromoethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2-Dichlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2-Dichloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,2-Dichloropropane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,3,5-Trimethylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,3-Dichlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,3-Dichloropropane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
1,4-Dichlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
2,2-Dichloropropane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
2-Chlorotoluene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
4-Chlorotoluene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
4-Isopropyltoluene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	



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Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

**Client Sample ID: 61C-8-3-5.5**

**Lab ID: 2200246-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Bromobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Bromochloromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Bromodichloromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Bromoform	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Bromomethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Carbon disulfide	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Carbon tetrachloride	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Chlorobenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Chloroethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Chloroform	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Chloromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
cis-1,2-Dichloroethene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
cis-1,3-Dichloropropene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Di-isopropyl ether	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Dibromochloromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Dibromomethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Dichlorodifluoromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Ethyl Acetate	ND	49	1	B2B1213	02/25/2022	02/25/22 23:28	
Ethyl Ether	ND	49	1	B2B1213	02/25/2022	02/25/22 23:28	
Ethyl tert-butyl ether	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Ethylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Freon-113	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Hexachlorobutadiene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Isopropylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
m,p-Xylene	ND	9.7	1	B2B1213	02/25/2022	02/25/22 23:28	
Methylene chloride	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
MTBE	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
n-Butylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
n-Propylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Naphthalene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
o-Xylene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
sec-Butylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Styrene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
tert-Amyl methyl ether	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
tert-Butanol	ND	97	1	B2B1213	02/25/2022	02/25/22 23:28	
tert-Butylbenzene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Tetrachloroethene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Toluene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
trans-1,2-Dichloroethene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
trans-1,3-Dichloropropene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-3-5.5**  
**Lab ID: 2200246-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Trichlorofluoromethane	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
Vinyl acetate	ND	49	1	B2B1213	02/25/2022	02/25/22 23:28	
Vinyl chloride	ND	4.9	1	B2B1213	02/25/2022	02/25/22 23:28	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>98.9 %</i>	<i>66 - 200</i>		B2B1213	02/25/2022	02/25/22 23:28	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.7 %</i>	<i>50 - 146</i>		B2B1213	02/25/2022	02/25/22 23:28	
<i>Surrogate: Dibromofluoromethane</i>	<i>103 %</i>	<i>77 - 159</i>		B2B1213	02/25/2022	02/25/22 23:28	
<i>Surrogate: Toluene-d8</i>	<i>96.9 %</i>	<i>81 - 128</i>		B2B1213	02/25/2022	02/25/22 23:28	

## Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
1,2-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
1,3-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
1,4-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4,5-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4,6-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4-Dichlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4-Dimethylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4-Dinitrophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
2,4-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2,6-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Chloronaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Chlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Methylnaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
2-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
3,3'-Dichlorobenzidine	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
3-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
4,6-Dinitro-2-methylphenol	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Bromophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Chloro-3-methylphenol	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Chloroaniline	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Chlorophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
4-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Acenaphthene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	



# Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

**Client Sample ID: 61C-8-3-5.5**  
**Lab ID: 2200246-02**

## Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthylene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benidine (M)	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzo(a)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzo(a)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzo(b)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzo(g,h,i)perylene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzo(k)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzoic acid	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
Benzyl alcohol	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
bis(2-chloroethoxy)methane	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
bis(2-Chloroethyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
bis(2-chloroisopropyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
bis(2-ethylhexyl)phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Butylbenzylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Chrysene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Di-n-butylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Di-n-octylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Dibenz(a,h)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Dibenzofuran	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Diethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Dimethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Fluorene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Hexachlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Hexachlorobutadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
Hexachlorocyclopentadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 19:37	
Hexachloroethane	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Indeno(1,2,3-cd)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Isophorone	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
N-Nitroso-di-n propylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
N-Nitrosodiphenylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Naphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Nitrobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Pentachlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
Phenanthrene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Phenol	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 19:37	
Pyridine	ND	820	1	B2B1235	02/28/2022	03/02/22 19:37	
Surrogate: 1,2-Dichlorobenzene-d4	67.7 %	23 - 102		B2B1235	02/28/2022	03/02/22 19:37	



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Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-3-5.5**  
**Lab ID: 2200246-02**

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2,4,6-Tribromophenol	61.5 %	3 - 138		B2B1235	02/28/2022	03/02/22 19:37	
Surrogate: 2-Chlorophenol-d4	68.9 %	18 - 105		B2B1235	02/28/2022	03/02/22 19:37	
Surrogate: 2-Fluorobiphenyl	74.2 %	34 - 106		B2B1235	02/28/2022	03/02/22 19:37	
Surrogate: 2-Fluorophenol	58.5 %	16 - 94		B2B1235	02/28/2022	03/02/22 19:37	
Surrogate: 4-Terphenyl-d14	103 %	31 - 130		B2B1235	02/28/2022	03/02/22 19:37	
Surrogate: Nitrobenzene-d5	55.9 %	23 - 102		B2B1235	02/28/2022	03/02/22 19:37	
Surrogate: Phenol-d6	65.2 %	14 - 104		B2B1235	02/28/2022	03/02/22 19:37	

**Client Sample ID: 61C-8-4-1**  
**Lab ID: 2200246-03**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
<b>Barium</b>	<b>100</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
<b>Beryllium</b>	<b>3.4</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
<b>Chromium</b>	<b>22</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
<b>Cobalt</b>	<b>6.0</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
<b>Copper</b>	<b>11</b>	2.0	1	B2C0881	03/01/2022	03/02/22 15:16	
<b>Lead</b>	<b>2.7</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
<b>Nickel</b>	<b>6.3</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
<b>Selenium</b>	<b>2.1</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
<b>Silver</b>	<b>7.0</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
<b>Vanadium</b>	<b>39</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	
<b>Zinc</b>	<b>80</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:16	





## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

**Client Sample ID: 61C-8-4-5.5**  
**Lab ID: 2200246-04**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.78	1	B2B1221	03/02/2022	03/02/22 00:41	
C4-C12	ND	0.78	1	B2B1221	03/02/2022	03/02/22 00:41	
C6-C12	ND	0.78	1	B2B1221	03/02/2022	03/02/22 00:41	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>84.6 %</i>	<i>47.6 - 121.18</i>		B2B1221	03/02/2022	03/02/22 00:41	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/25/22 23:31	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/25/22 23:31	
<i>Surrogate: p-Terphenyl</i>	<i>94.3 %</i>	<i>62 - 141</i>		B2B1211	02/25/2022	02/25/22 23:31	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1,1-Trichloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1,2-Trichloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1-Dichloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1-Dichloroethene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,1-Dichloropropene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2,3-Trichloropropane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2,3-Trichlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2,4-Trichlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2,4-Trimethylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2-Dibromoethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2-Dichlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2-Dichloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,2-Dichloropropane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,3,5-Trimethylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,3-Dichlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,3-Dichloropropane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
1,4-Dichlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
2,2-Dichloropropane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
2-Chlorotoluene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
4-Chlorotoluene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
4-Isopropyltoluene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	



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Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-4-5.5**  
**Lab ID: 2200246-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Bromobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Bromochloromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Bromodichloromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Bromoform	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Bromomethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Carbon disulfide	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Carbon tetrachloride	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Chlorobenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Chloroethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Chloroform	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Chloromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
cis-1,2-Dichloroethene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
cis-1,3-Dichloropropene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Di-isopropyl ether	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Dibromochloromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Dibromomethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Dichlorodifluoromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Ethyl Acetate	ND	41	1	B2B1213	02/25/2022	02/25/22 23:53	
Ethyl Ether	ND	41	1	B2B1213	02/25/2022	02/25/22 23:53	
Ethyl tert-butyl ether	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Ethylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Freon-113	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Hexachlorobutadiene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Isopropylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
m,p-Xylene	ND	8.2	1	B2B1213	02/25/2022	02/25/22 23:53	
Methylene chloride	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
MTBE	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
n-Butylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
n-Propylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Naphthalene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
o-Xylene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
sec-Butylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Styrene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
tert-Amyl methyl ether	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
tert-Butanol	ND	82	1	B2B1213	02/25/2022	02/25/22 23:53	
tert-Butylbenzene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Tetrachloroethene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Toluene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
trans-1,2-Dichloroethene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
trans-1,3-Dichloropropene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/07/2022

**Client Sample ID: 61C-8-4-5.5**

**Lab ID: 2200246-04**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Trichlorofluoromethane	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
Vinyl acetate	ND	41	1	B2B1213	02/25/2022	02/25/22 23:53	
Vinyl chloride	ND	4.1	1	B2B1213	02/25/2022	02/25/22 23:53	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>121 %</i>	<i>66 - 200</i>		B2B1213	02/25/2022	02/25/22 23:53	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.7 %</i>	<i>50 - 146</i>		B2B1213	02/25/2022	02/25/22 23:53	
<i>Surrogate: Dibromofluoromethane</i>	<i>107 %</i>	<i>77 - 159</i>		B2B1213	02/25/2022	02/25/22 23:53	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>81 - 128</i>		B2B1213	02/25/2022	02/25/22 23:53	

### Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
1,2-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
1,3-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
1,4-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4,5-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4,6-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4-Dichlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4-Dimethylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4-Dinitrophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
2,4-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2,6-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Chloronaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Chlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Methylnaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
2-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
3,3'-Dichlorobenzidine	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
3-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
4,6-Dinitro-2-methylphenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Bromophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Chloro-3-methylphenol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Chloroaniline	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Chlorophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
4-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Acenaphthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-4-5.5**  
**Lab ID: 2200246-04**

## Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzidine (M)	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzo(a)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzo(a)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzo(b)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzo(g,h,i)perylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzo(k)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzoic acid	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
Benzyl alcohol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
bis(2-chloroethoxy)methane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
bis(2-Chloroethyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
bis(2-chloroisopropyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
bis(2-ethylhexyl)phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Butylbenzylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Chrysene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Di-n-butylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Di-n-octylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Dibenz(a,h)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Dibenzofuran	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Diethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Dimethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Fluorene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Hexachlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Hexachlorobutadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
Hexachlorocyclopentadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:03	
Hexachloroethane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Indeno(1,2,3-cd)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Isophorone	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
N-Nitroso-di-n propylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
N-Nitrosodiphenylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Naphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Nitrobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Pentachlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
Phenanthrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Phenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:03	
Pyridine	ND	820	1	B2B1235	02/28/2022	03/02/22 20:03	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	65.1 %	23 - 102		B2B1235	02/28/2022	03/02/22 20:03	



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Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-4-5.5**  
**Lab ID: 2200246-04**

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2,4,6-Tribromophenol	55.2 %	3 - 138		B2B1235	02/28/2022	03/02/22 20:03	
Surrogate: 2-Chlorophenol-d4	65.6 %	18 - 105		B2B1235	02/28/2022	03/02/22 20:03	
Surrogate: 2-Fluorobiphenyl	71.4 %	34 - 106		B2B1235	02/28/2022	03/02/22 20:03	
Surrogate: 2-Fluorophenol	56.5 %	16 - 94		B2B1235	02/28/2022	03/02/22 20:03	
Surrogate: 4-Terphenyl-d14	96.8 %	31 - 130		B2B1235	02/28/2022	03/02/22 20:03	
Surrogate: Nitrobenzene-d5	55.6 %	23 - 102		B2B1235	02/28/2022	03/02/22 20:03	
Surrogate: Phenol-d6	60.4 %	14 - 104		B2B1235	02/28/2022	03/02/22 20:03	

**Client Sample ID: 61C-8-5-1**  
**Lab ID: 2200246-05**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
<b>Barium</b>	<b>91</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
<b>Beryllium</b>	<b>3.0</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
<b>Cobalt</b>	<b>5.2</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
<b>Copper</b>	<b>10</b>	2.0	1	B2C0881	03/01/2022	03/02/22 15:18	
<b>Lead</b>	<b>2.2</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
<b>Nickel</b>	<b>5.7</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Selenium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
<b>Silver</b>	<b>6.1</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	
<b>Zinc</b>	<b>35</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:18	



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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

**Client Sample ID: 61C-8-5-5.5**  
**Lab ID: 2200246-06**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:05	
C4-C12	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:05	
C6-C12	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:05	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>84.5 %</i>	<i>47.6 - 121.18</i>		B2B1221	03/02/2022	<i>03/02/22 01:05</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/25/22 23:52	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/25/22 23:52	
<i>Surrogate: p-Terphenyl</i>	<i>89.5 %</i>	<i>62 - 141</i>		B2B1211	02/25/2022	<i>02/25/22 23:52</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1,1-Trichloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1,2,2-Tetrachloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1,2-Trichloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1-Dichloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1-Dichloroethene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,1-Dichloropropene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2,3-Trichloropropane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2,3-Trichlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2,4-Trichlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2,4-Trimethylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2-Dibromo-3-chloropropane	ND	8.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2-Dibromoethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2-Dichlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2-Dichloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,2-Dichloropropane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,3,5-Trimethylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,3-Dichlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,3-Dichloropropane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
1,4-Dichlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
2,2-Dichloropropane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
2-Chlorotoluene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
4-Chlorotoluene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
4-Isopropyltoluene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-5-5.5**  
**Lab ID: 2200246-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Bromobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Bromochloromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Bromodichloromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Bromoform	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Bromomethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Carbon disulfide	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Carbon tetrachloride	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Chlorobenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Chloroethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Chloroform	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Chloromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
cis-1,2-Dichloroethene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
cis-1,3-Dichloropropene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Di-isopropyl ether	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Dibromochloromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Dibromomethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Dichlorodifluoromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Ethyl Acetate	ND	40	1	B2B1213	02/26/2022	02/26/22 00:19	
Ethyl Ether	ND	40	1	B2B1213	02/26/2022	02/26/22 00:19	
Ethyl tert-butyl ether	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Ethylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Freon-113	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Hexachlorobutadiene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Isopropylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
m,p-Xylene	ND	8.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Methylene chloride	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
MTBE	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
n-Butylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
n-Propylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Naphthalene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
o-Xylene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
sec-Butylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Styrene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
tert-Amyl methyl ether	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
tert-Butanol	ND	80	1	B2B1213	02/26/2022	02/26/22 00:19	
tert-Butylbenzene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Tetrachloroethene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Toluene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
trans-1,2-Dichloroethene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
trans-1,3-Dichloropropene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-5-5.5**  
**Lab ID: 2200246-06**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Trichlorofluoromethane	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
Vinyl acetate	ND	40	1	B2B1213	02/26/2022	02/26/22 00:19	
Vinyl chloride	ND	4.0	1	B2B1213	02/26/2022	02/26/22 00:19	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>117 %</i>	<i>66 - 200</i>		B2B1213	02/26/2022	02/26/22 00:19	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.2 %</i>	<i>50 - 146</i>		B2B1213	02/26/2022	02/26/22 00:19	
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>	<i>77 - 159</i>		B2B1213	02/26/2022	02/26/22 00:19	
<i>Surrogate: Toluene-d8</i>	<i>99.6 %</i>	<i>81 - 128</i>		B2B1213	02/26/2022	02/26/22 00:19	

### Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
1,2-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
1,3-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
1,4-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4,5-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4,6-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4-Dichlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4-Dimethylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4-Dinitrophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
2,4-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2,6-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Chloronaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Chlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Methylnaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
2-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
3,3'-Dichlorobenzidine	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
3-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
4,6-Dinitro-2-methylphenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Bromophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Chloro-3-methylphenol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Chloroaniline	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Chlorophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
4-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Acenaphthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	





# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-5-5.5**  
**Lab ID: 2200246-06**

## Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benidine (M)	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzo(a)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzo(a)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzo(b)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzo(g,h,i)perylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzo(k)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzoic acid	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
Benzyl alcohol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
bis(2-chloroethoxy)methane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
bis(2-Chloroethyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
bis(2-chloroisopropyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
bis(2-ethylhexyl)phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Butylbenzylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Chrysene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Di-n-butylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Di-n-octylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Dibenz(a,h)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Dibenzofuran	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Diethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Dimethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Fluorene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Hexachlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Hexachlorobutadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
Hexachlorocyclopentadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:30	
Hexachloroethane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Indeno(1,2,3-cd)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Isophorone	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
N-Nitroso-di-n propylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
N-Nitrosodiphenylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Naphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Nitrobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Pentachlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
Phenanthrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Phenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:30	
Pyridine	ND	820	1	B2B1235	02/28/2022	03/02/22 20:30	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	63.5 %	23 - 102		B2B1235	02/28/2022	03/02/22 20:30	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-5-5.5**  
**Lab ID: 2200246-06**

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2,4,6-Tribromophenol	54.6 %	3 - 138		B2B1235	02/28/2022	03/02/22 20:30	
Surrogate: 2-Chlorophenol-d4	63.6 %	18 - 105		B2B1235	02/28/2022	03/02/22 20:30	
Surrogate: 2-Fluorobiphenyl	65.5 %	34 - 106		B2B1235	02/28/2022	03/02/22 20:30	
Surrogate: 2-Fluorophenol	54.7 %	16 - 94		B2B1235	02/28/2022	03/02/22 20:30	
Surrogate: 4-Terphenyl-d14	95.6 %	31 - 130		B2B1235	02/28/2022	03/02/22 20:30	
Surrogate: Nitrobenzene-d5	62.6 %	23 - 102		B2B1235	02/28/2022	03/02/22 20:30	
Surrogate: Phenol-d6	54.3 %	14 - 104		B2B1235	02/28/2022	03/02/22 20:30	

**Client Sample ID: 61C-8-6-SV10-1**  
**Lab ID: 2200246-07**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
<b>Barium</b>	<b>74</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
<b>Cobalt</b>	<b>4.4</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
<b>Copper</b>	<b>8.6</b>	2.0	1	B2C0881	03/01/2022	03/02/22 15:21	
<b>Lead</b>	<b>2.7</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
<b>Nickel</b>	<b>5.0</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
<b>Selenium</b>	<b>1.2</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
<b>Silver</b>	<b>4.8</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
<b>Vanadium</b>	<b>30</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	
<b>Zinc</b>	<b>29</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:21	



## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

**Client Sample ID: 61C-8-6-SV10-5.5**  
**Lab ID: 2200246-08**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.75	1	B2B1221	03/02/2022	03/02/22 01:30	
C4-C12	ND	0.75	1	B2B1221	03/02/2022	03/02/22 01:30	
C6-C12	ND	0.75	1	B2B1221	03/02/2022	03/02/22 01:30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>85.6 %</i>	<i>47.6 - 121.18</i>		B2B1221	03/02/2022	<i>03/02/22 01:30</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/26/22 00:14	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/26/22 00:14	
<i>Surrogate: p-Terphenyl</i>	<i>88.9 %</i>	<i>62 - 141</i>		B2B1211	02/25/2022	<i>02/26/22 00:14</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1,1-Trichloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1,2,2-Tetrachloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1,2-Trichloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1-Dichloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1-Dichloroethene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,1-Dichloropropene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2,3-Trichloropropane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2,3-Trichlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2,4-Trichlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2,4-Trimethylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2-Dibromo-3-chloropropane	ND	7.6	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2-Dibromoethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2-Dichlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2-Dichloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,2-Dichloropropane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,3,5-Trimethylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,3-Dichlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,3-Dichloropropane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
1,4-Dichlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
2,2-Dichloropropane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
2-Chlorotoluene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
4-Chlorotoluene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
4-Isopropyltoluene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-6-SV10-5.5**  
**Lab ID: 2200246-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Bromobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Bromochloromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Bromodichloromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Bromoform	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Bromomethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Carbon disulfide	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Carbon tetrachloride	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Chlorobenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Chloroethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Chloroform	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Chloromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
cis-1,2-Dichloroethene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
cis-1,3-Dichloropropene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Di-isopropyl ether	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Dibromochloromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Dibromomethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Dichlorodifluoromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Ethyl Acetate	ND	38	1	B2B1213	02/26/2022	02/26/22 00:45	
Ethyl Ether	ND	38	1	B2B1213	02/26/2022	02/26/22 00:45	
Ethyl tert-butyl ether	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Ethylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Freon-113	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Hexachlorobutadiene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Isopropylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
m,p-Xylene	ND	7.6	1	B2B1213	02/26/2022	02/26/22 00:45	
Methylene chloride	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
MTBE	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
n-Butylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
n-Propylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Naphthalene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
o-Xylene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
sec-Butylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Styrene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
tert-Amyl methyl ether	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
tert-Butanol	ND	76	1	B2B1213	02/26/2022	02/26/22 00:45	
tert-Butylbenzene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Tetrachloroethene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Toluene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
trans-1,2-Dichloroethene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
trans-1,3-Dichloropropene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	



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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

**Client Sample ID: 61C-8-6-SV10-5.5**  
**Lab ID: 2200246-08**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Trichlorofluoromethane	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
Vinyl acetate	ND	38	1	B2B1213	02/26/2022	02/26/22 00:45	
Vinyl chloride	ND	3.8	1	B2B1213	02/26/2022	02/26/22 00:45	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>116 %</i>	<i>66 - 200</i>		B2B1213	02/26/2022	02/26/22 00:45	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.8 %</i>	<i>50 - 146</i>		B2B1213	02/26/2022	02/26/22 00:45	
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	<i>77 - 159</i>		B2B1213	02/26/2022	02/26/22 00:45	
<i>Surrogate: Toluene-d8</i>	<i>114 %</i>	<i>81 - 128</i>		B2B1213	02/26/2022	02/26/22 00:45	

### Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
1,2-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
1,3-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
1,4-Dichlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4,5-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4,6-Trichlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4-Dichlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4-Dimethylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4-Dinitrophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
2,4-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2,6-Dinitrotoluene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Chloronaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Chlorophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Methylnaphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
2-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
3,3'-Dichlorobenzidine	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
3-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
4,6-Dinitro-2-methylphenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Bromophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Chloro-3-methylphenol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Chloroaniline	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Chlorophenyl-phenylether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Methylphenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Nitroaniline	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
4-Nitrophenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Acenaphthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-6-SV10-5.5**  
**Lab ID: 2200246-08**

## Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benidine (M)	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzo(a)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzo(a)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzo(b)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzo(g,h,i)perylene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzo(k)fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzoic acid	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
Benzyl alcohol	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
bis(2-chloroethoxy)methane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
bis(2-Chloroethyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
bis(2-chloroisopropyl)ether	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
bis(2-ethylhexyl)phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Butylbenzylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Chrysene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Di-n-butylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Di-n-octylphthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Dibenz(a,h)anthracene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Dibenzofuran	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Diethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Dimethyl phthalate	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Fluoranthene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Fluorene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Hexachlorobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Hexachlorobutadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
Hexachlorocyclopentadiene	ND	330	1	B2B1235	02/28/2022	03/02/22 20:56	
Hexachloroethane	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Indeno(1,2,3-cd)pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Isophorone	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
N-Nitroso-di-n propylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
N-Nitrosodiphenylamine	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Naphthalene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Nitrobenzene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Pentachlorophenol	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
Phenanthrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Phenol	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Pyrene	ND	160	1	B2B1235	02/28/2022	03/02/22 20:56	
Pyridine	ND	820	1	B2B1235	02/28/2022	03/02/22 20:56	
Surrogate: 1,2-Dichlorobenzene-d4	59.9 %	23 - 102		B2B1235	02/28/2022	03/02/22 20:56	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: 61C-8-6-SV10-5.5**  
**Lab ID: 2200246-08**

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2,4,6-Tribromophenol	49.3 %	3 - 138		B2B1235	02/28/2022	03/02/22 20:56	
Surrogate: 2-Chlorophenol-d4	61.4 %	18 - 105		B2B1235	02/28/2022	03/02/22 20:56	
Surrogate: 2-Fluorobiphenyl	64.1 %	34 - 106		B2B1235	02/28/2022	03/02/22 20:56	
Surrogate: 2-Fluorophenol	53.2 %	16 - 94		B2B1235	02/28/2022	03/02/22 20:56	
Surrogate: 4-Terphenyl-d14	86.9 %	31 - 130		B2B1235	02/28/2022	03/02/22 20:56	
Surrogate: Nitrobenzene-d5	51.7 %	23 - 102		B2B1235	02/28/2022	03/02/22 20:56	
Surrogate: Phenol-d6	57.2 %	14 - 104		B2B1235	02/28/2022	03/02/22 20:56	

**Client Sample ID: SV-9-1**  
**Lab ID: 2200246-09**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
<b>Barium</b>	<b>78</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
<b>Cobalt</b>	<b>4.4</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
<b>Copper</b>	<b>8.8</b>	2.0	1	B2C0881	03/01/2022	03/02/22 15:23	
<b>Lead</b>	<b>2.5</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
<b>Nickel</b>	<b>5.5</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
<b>Selenium</b>	<b>2.0</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
<b>Silver</b>	<b>4.7</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
<b>Vanadium</b>	<b>30</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	
<b>Zinc</b>	<b>30</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:23	



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Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

**Client Sample ID: SV-9-5.5**  
**Lab ID: 2200246-10**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:54	
C4-C12	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:54	
C6-C12	ND	0.86	1	B2B1221	03/02/2022	03/02/22 01:54	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>85.5 %</i>	<i>47.6 - 121.18</i>		B2B1221	03/02/2022	<i>03/02/22 01:54</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/26/22 00:35	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/26/22 00:35	
<i>Surrogate: p-Terphenyl</i>	<i>107 %</i>	<i>62 - 141</i>		B2B1211	02/25/2022	<i>02/26/22 00:35</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1,1-Trichloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1,2-Trichloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1-Dichloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1-Dichloroethene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,1-Dichloropropene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2,3-Trichloropropane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2,3-Trichlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2,4-Trichlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2,4-Trimethylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2-Dibromo-3-chloropropane	ND	9.3	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2-Dibromoethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2-Dichlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2-Dichloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,2-Dichloropropane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,3,5-Trimethylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,3-Dichlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,3-Dichloropropane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
1,4-Dichlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
2,2-Dichloropropane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
2-Chlorotoluene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
4-Chlorotoluene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
4-Isopropyltoluene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: SV-9-5.5**

**Lab ID: 2200246-10**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Bromobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Bromochloromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Bromodichloromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Bromoform	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Bromomethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Carbon disulfide	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Carbon tetrachloride	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Chlorobenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Chloroethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Chloroform	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Chloromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
cis-1,2-Dichloroethene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
cis-1,3-Dichloropropene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Di-isopropyl ether	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Dibromochloromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Dibromomethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Dichlorodifluoromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Ethyl Acetate	ND	46	1	B2B1213	02/26/2022	02/26/22 01:10	
Ethyl Ether	ND	46	1	B2B1213	02/26/2022	02/26/22 01:10	
Ethyl tert-butyl ether	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Ethylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Freon-113	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Hexachlorobutadiene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Isopropylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
m,p-Xylene	ND	9.3	1	B2B1213	02/26/2022	02/26/22 01:10	
Methylene chloride	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
MTBE	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
n-Butylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
n-Propylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Naphthalene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
o-Xylene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
sec-Butylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Styrene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
tert-Amyl methyl ether	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
tert-Butanol	ND	93	1	B2B1213	02/26/2022	02/26/22 01:10	
tert-Butylbenzene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Tetrachloroethene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Toluene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
trans-1,2-Dichloroethene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
trans-1,3-Dichloropropene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: SV-9-5.5**  
**Lab ID: 2200246-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Trichlorofluoromethane	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
Vinyl acetate	ND	46	1	B2B1213	02/26/2022	02/26/22 01:10	
Vinyl chloride	ND	4.6	1	B2B1213	02/26/2022	02/26/22 01:10	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>121 %</i>	<i>66 - 200</i>		B2B1213	02/26/2022	<i>02/26/22 01:10</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.0 %</i>	<i>50 - 146</i>		B2B1213	02/26/2022	<i>02/26/22 01:10</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>109 %</i>	<i>77 - 159</i>		B2B1213	02/26/2022	<i>02/26/22 01:10</i>	
<i>Surrogate: Toluene-d8</i>	<i>97.6 %</i>	<i>81 - 128</i>		B2B1213	02/26/2022	<i>02/26/22 01:10</i>	



# Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

**Client Sample ID: SV-9-15**

**Lab ID: 2200246-11**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.84	1	B2C0890	03/02/2022	03/02/22 05:36	
C4-C12	ND	0.84	1	B2C0890	03/02/2022	03/02/22 05:36	
C6-C12	ND	0.84	1	B2C0890	03/02/2022	03/02/22 05:36	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>83.3 %</i>	<i>47.6 - 121.18</i>		B2C0890	03/02/2022	<i>03/02/22 05:36</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/26/22 00:57	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/26/22 00:57	
<i>Surrogate: p-Terphenyl</i>	<i>120 %</i>	<i>62 - 141</i>		B2B1211	02/25/2022	<i>02/26/22 00:57</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1,1-Trichloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1,2-Trichloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1-Dichloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1-Dichloroethene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,1-Dichloropropene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2,3-Trichloropropane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2,3-Trichlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2,4-Trichlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2,4-Trimethylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2-Dibromoethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2-Dichlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2-Dichloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,2-Dichloropropane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,3,5-Trimethylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,3-Dichlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,3-Dichloropropane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
1,4-Dichlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
2,2-Dichloropropane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
2-Chlorotoluene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
4-Chlorotoluene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
4-Isopropyltoluene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: SV-9-15**

**Lab ID: 2200246-11**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Bromobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Bromochloromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Bromodichloromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Bromoform	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Bromomethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Carbon disulfide	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Carbon tetrachloride	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Chlorobenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Chloroethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Chloroform	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Chloromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
cis-1,2-Dichloroethene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
cis-1,3-Dichloropropene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Di-isopropyl ether	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Dibromochloromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Dibromomethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Dichlorodifluoromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Ethyl Acetate	ND	44	1	B2B1236	02/28/2022	02/28/22 21:11	
Ethyl Ether	ND	44	1	B2B1236	02/28/2022	02/28/22 21:11	
Ethyl tert-butyl ether	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Ethylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Freon-113	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Hexachlorobutadiene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Isopropylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
m,p-Xylene	ND	8.7	1	B2B1236	02/28/2022	02/28/22 21:11	
Methylene chloride	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
MTBE	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
n-Butylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
n-Propylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Naphthalene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
o-Xylene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
sec-Butylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Styrene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
tert-Amyl methyl ether	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
tert-Butanol	ND	87	1	B2B1236	02/28/2022	02/28/22 21:11	
tert-Butylbenzene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Tetrachloroethene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Toluene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
trans-1,2-Dichloroethene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
trans-1,3-Dichloropropene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: SV-9-15**

**Lab ID: 2200246-11**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Trichlorofluoromethane	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
Vinyl acetate	ND	44	1	B2B1236	02/28/2022	02/28/22 21:11	
Vinyl chloride	ND	4.4	1	B2B1236	02/28/2022	02/28/22 21:11	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>123 %</i>	<i>66 - 200</i>		B2B1236	02/28/2022	<i>02/28/22 21:11</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.6 %</i>	<i>50 - 146</i>		B2B1236	02/28/2022	<i>02/28/22 21:11</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>112 %</i>	<i>77 - 159</i>		B2B1236	02/28/2022	<i>02/28/22 21:11</i>	
<i>Surrogate: Toluene-d8</i>	<i>95.6 %</i>	<i>81 - 128</i>		B2B1236	02/28/2022	<i>02/28/22 21:11</i>	

**Client Sample ID: SV-3-1**

**Lab ID: 2200246-12**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
<b>Barium</b>	<b>85</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
<b>Beryllium</b>	<b>2.6</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
<b>Cobalt</b>	<b>4.8</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
<b>Copper</b>	<b>10</b>	2.0	1	B2C0881	03/01/2022	03/02/22 15:25	
<b>Lead</b>	<b>2.2</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
<b>Nickel</b>	<b>5.6</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
<b>Selenium</b>	<b>2.7</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
<b>Silver</b>	<b>5.1</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
<b>Vanadium</b>	<b>32</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	
<b>Zinc</b>	<b>84</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:25	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: SV-3-5.5**

**Lab ID: 2200246-13**

**Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:00	
C4-C12	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:00	
C6-C12	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:00	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>81.7 %</i>	<i>47.6 - 121.18</i>		B2C0890	03/02/2022	<i>03/02/22 06:00</i>	

**Hydrocarbon Chain Distribution by EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/26/22 01:18	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/26/22 01:18	
<i>Surrogate: p-Terphenyl</i>	<i>108 %</i>	<i>62 - 141</i>		B2B1211	02/25/2022	<i>02/26/22 01:18</i>	

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1,1-Trichloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1,2-Trichloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1-Dichloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1-Dichloroethene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,1-Dichloropropene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2,3-Trichloropropane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2,3-Trichlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2,4-Trichlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2,4-Trimethylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2-Dibromoethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2-Dichlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2-Dichloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,2-Dichloropropane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,3,5-Trimethylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,3-Dichlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,3-Dichloropropane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
1,4-Dichlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
2,2-Dichloropropane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
2-Chlorotoluene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
4-Chlorotoluene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
4-Isopropyltoluene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: SV-3-5.5**

**Lab ID: 2200246-13**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Bromobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Bromochloromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Bromodichloromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Bromoform	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Bromomethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Carbon disulfide	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Carbon tetrachloride	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Chlorobenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Chloroethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Chloroform	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Chloromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
cis-1,2-Dichloroethene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
cis-1,3-Dichloropropene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Di-isopropyl ether	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Dibromochloromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Dibromomethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Dichlorodifluoromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Ethyl Acetate	ND	43	1	B2B1236	02/28/2022	02/28/22 21:37	
Ethyl Ether	ND	43	1	B2B1236	02/28/2022	02/28/22 21:37	
Ethyl tert-butyl ether	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Ethylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Freon-113	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Hexachlorobutadiene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Isopropylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
m,p-Xylene	ND	8.7	1	B2B1236	02/28/2022	02/28/22 21:37	
Methylene chloride	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
MTBE	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
n-Butylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
n-Propylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Naphthalene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
o-Xylene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
sec-Butylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Styrene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
tert-Amyl methyl ether	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
tert-Butanol	ND	87	1	B2B1236	02/28/2022	02/28/22 21:37	
tert-Butylbenzene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Tetrachloroethene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Toluene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
trans-1,2-Dichloroethene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
trans-1,3-Dichloropropene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	



### Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Josh Voss

Irvine , CA 92612

Reported : 03/07/2022

**Client Sample ID: SV-3-5.5**

**Lab ID: 2200246-13**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Trichlorofluoromethane	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
Vinyl acetate	ND	43	1	B2B1236	02/28/2022	02/28/22 21:37	
Vinyl chloride	ND	4.3	1	B2B1236	02/28/2022	02/28/22 21:37	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>132 %</i>	<i>66 - 200</i>		B2B1236	02/28/2022	02/28/22 21:37	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.6 %</i>	<i>50 - 146</i>		B2B1236	02/28/2022	02/28/22 21:37	
<i>Surrogate: Dibromofluoromethane</i>	<i>113 %</i>	<i>77 - 159</i>		B2B1236	02/28/2022	02/28/22 21:37	
<i>Surrogate: Toluene-d8</i>	<i>94.4 %</i>	<i>81 - 128</i>		B2B1236	02/28/2022	02/28/22 21:37	





# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

**Client Sample ID: SV-3-13**

**Lab ID: 2200246-14**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:25	
C4-C12	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:25	
C6-C12	ND	0.87	1	B2C0890	03/02/2022	03/02/22 06:25	
<i>Surrogate: 4-Bromofluorobenzene</i>	79.7 %	47.6 - 121.18		B2C0890	03/02/2022	03/02/22 06:25	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1211	02/25/2022	02/26/22 01:39	
C23-C32	ND	10	1	B2B1211	02/25/2022	02/26/22 01:39	
<i>Surrogate: p-Terphenyl</i>	95.7 %	62 - 141		B2B1211	02/25/2022	02/26/22 01:39	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1,1-Trichloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1,2-Trichloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1-Dichloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1-Dichloroethene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,1-Dichloropropene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2,3-Trichloropropane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2,3-Trichlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2,4-Trichlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2,4-Trimethylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2-Dibromo-3-chloropropane	ND	9.8	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2-Dibromoethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2-Dichlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2-Dichloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,2-Dichloropropane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,3,5-Trimethylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,3-Dichlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,3-Dichloropropane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
1,4-Dichlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
2,2-Dichloropropane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
2-Chlorotoluene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
4-Chlorotoluene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
4-Isopropyltoluene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

**Client Sample ID: SV-3-13**  
**Lab ID: 2200246-14**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Bromobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Bromochloromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Bromodichloromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Bromoform	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Bromomethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Carbon disulfide	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Carbon tetrachloride	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Chlorobenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Chloroethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Chloroform	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Chloromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
cis-1,2-Dichloroethene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
cis-1,3-Dichloropropene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Di-isopropyl ether	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Dibromochloromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Dibromomethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Dichlorodifluoromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Ethyl Acetate	ND	49	1	B2B1236	02/28/2022	02/28/22 22:03	
Ethyl Ether	ND	49	1	B2B1236	02/28/2022	02/28/22 22:03	
Ethyl tert-butyl ether	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Ethylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Freon-113	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Hexachlorobutadiene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Isopropylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
m,p-Xylene	ND	9.8	1	B2B1236	02/28/2022	02/28/22 22:03	
Methylene chloride	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
MTBE	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
n-Butylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
n-Propylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Naphthalene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
o-Xylene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
sec-Butylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Styrene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
tert-Amyl methyl ether	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
tert-Butanol	ND	98	1	B2B1236	02/28/2022	02/28/22 22:03	
tert-Butylbenzene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Tetrachloroethene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Toluene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
trans-1,2-Dichloroethene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
trans-1,3-Dichloropropene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

**Client Sample ID: SV-3-13**  
**Lab ID: 2200246-14**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Trichlorofluoromethane	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
Vinyl acetate	ND	49	1	B2B1236	02/28/2022	02/28/22 22:03	
Vinyl chloride	ND	4.9	1	B2B1236	02/28/2022	02/28/22 22:03	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>125 %</i>	<i>66 - 200</i>		B2B1236	02/28/2022	02/28/22 22:03	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.8 %</i>	<i>50 - 146</i>		B2B1236	02/28/2022	02/28/22 22:03	
<i>Surrogate: Dibromofluoromethane</i>	<i>107 %</i>	<i>77 - 159</i>		B2B1236	02/28/2022	02/28/22 22:03	
<i>Surrogate: Toluene-d8</i>	<i>96.5 %</i>	<i>81 - 128</i>		B2B1236	02/28/2022	02/28/22 22:03	



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

### QUALITY CONTROL SECTION

#### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0881 - EPA 3050B\_S**

**Blank (B2C0881-BLK1)**

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

**LCS (B2C0881-BS1)**

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	24.7862	2.0	0.51	25.0000	99.1	80 - 120
Arsenic	25.0077	1.0	0.12	25.0000	100	80 - 120
Barium	23.2340	1.0	0.12	25.0000	92.9	80 - 120
Beryllium	25.5016	1.0	0.03	25.0100	102	80 - 120
Cadmium	25.3218	1.0	0.14	25.0000	101	80 - 120
Chromium	24.8912	1.0	0.26	25.0000	99.6	80 - 120
Cobalt	26.2917	1.0	0.07	25.0000	105	80 - 120
Copper	24.2990	2.0	0.19	25.0000	97.2	80 - 120
Lead	25.0647	1.0	0.18	25.0000	100	80 - 120
Molybdenum	25.3943	1.0	0.12	25.0000	102	80 - 120
Nickel	24.9400	1.0	0.18	25.0000	99.8	80 - 120
Selenium	25.5998	1.0	0.40	25.0000	102	80 - 120
Silver	11.5022	1.0	0.12	12.5000	92.0	80 - 120
Thallium	25.1389	1.0	0.38	25.0000	101	80 - 120
Vanadium	24.6710	1.0	0.06	25.0000	98.7	80 - 120
Zinc	24.8261	1.0	0.15	25.0000	99.3	80 - 120

**Matrix Spike (B2C0881-MS1)**

**Source: 2200238-14**

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	16.9834	2.0	0.51	25.0000	0.691168	65.2	0 - 102
Arsenic	24.6994	1.0	0.12	25.0000	1.48608	92.9	55 - 117
Barium	73.5248	1.0	0.12	25.0000	53.5217	80.0	11 - 177
Beryllium	21.3997	1.0	0.03	25.0100	0.681213	82.8	64 - 115
Cadmium	23.3468	1.0	0.14	25.0000	0.273728	92.3	62 - 116
Chromium	33.4777	1.0	0.26	25.0000	9.11766	97.4	42 - 145



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Project Number : Ontario Airport / 5925  
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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0881 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C0881-MS1) - Continued**

**Source: 2200238-14**

Prepared: 3/1/2022 Analyzed: 3/2/2022

Cobalt	27.7836	1.0	0.07	25.0000	3.76062	96.1	60 - 126			
Copper	35.2591	2.0	0.19	25.0000	7.77102	110	37 - 163			
Lead	31.6591	1.0	0.18	25.0000	8.64828	92.0	26 - 161			
Molybdenum	22.9287	1.0	0.12	25.0000	0.394100	90.1	31 - 122			
Nickel	25.5062	1.0	0.18	25.0000	4.79505	82.8	52 - 130			
Selenium	24.6741	1.0	0.40	25.0000	1.42261	93.0	25 - 129			
Silver	10.3837	1.0	0.12	12.5000	0.489226	79.2	48 - 133			
Thallium	21.9382	1.0	0.38	25.0000	ND	87.8	25 - 119			
Vanadium	35.6635	1.0	0.06	25.0000	10.9398	98.9	51 - 141			
Zinc	91.9639	1.0	0.15	25.0000	63.8226	113	8 - 170			

**Matrix Spike Dup (B2C0881-MSD1)**

**Source: 2200238-14**

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	16.9762	2.0	0.51	25.0000	0.691168	65.1	0 - 102	0.0422	20	
Arsenic	23.8670	1.0	0.12	25.0000	1.48608	89.5	55 - 117	3.43	20	
Barium	73.3364	1.0	0.12	25.0000	53.5217	79.3	11 - 177	0.257	20	
Beryllium	21.4628	1.0	0.03	25.0100	0.681213	83.1	64 - 115	0.295	20	
Cadmium	23.4079	1.0	0.14	25.0000	0.273728	92.5	62 - 116	0.262	20	
Chromium	33.6229	1.0	0.26	25.0000	9.11766	98.0	42 - 145	0.433	20	
Cobalt	27.9048	1.0	0.07	25.0000	3.76062	96.6	60 - 126	0.435	20	
Copper	32.4860	2.0	0.19	25.0000	7.77102	98.9	37 - 163	8.19	20	
Lead	32.1893	1.0	0.18	25.0000	8.64828	94.2	26 - 161	1.66	20	
Molybdenum	23.2329	1.0	0.12	25.0000	0.394100	91.4	31 - 122	1.32	20	
Nickel	25.6196	1.0	0.18	25.0000	4.79505	83.3	52 - 130	0.443	20	
Selenium	24.3197	1.0	0.40	25.0000	1.42261	91.6	25 - 129	1.45	20	
Silver	10.5194	1.0	0.12	12.5000	0.489226	80.2	48 - 133	1.30	20	
Thallium	21.5586	1.0	0.38	25.0000	ND	86.2	25 - 119	1.75	20	
Vanadium	35.5472	1.0	0.06	25.0000	10.9398	98.4	51 - 141	0.327	20	
Zinc	91.4778	1.0	0.15	25.0000	63.8226	111	8 - 170	0.530	20	



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Project Number : Ontario Airport / 5925  
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 Reported : 03/07/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	Limits	RPD	RPD Limit	Notes
<b>Batch B2B1223 - EPA 7471_S</b>										
<b>Blank (B2B1223-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 2/28/2022 Analyzed: 3/1/2022
<b>LCS (B2B1223-BS1)</b>										
Mercury	0.397605	0.10	0.01	0.416667		95.4	80 - 120			Prepared: 2/28/2022 Analyzed: 3/1/2022
<b>Matrix Spike (B2B1223-MS1)</b>										
										<b>Source: 2200246-01</b> Prepared: 2/28/2022 Analyzed: 3/1/2022
Mercury	0.535140	0.10	0.01	0.416667	0.039948	119	70 - 130			
<b>Matrix Spike Dup (B2B1223-MSD1)</b>										
										<b>Source: 2200246-01</b> Prepared: 2/28/2022 Analyzed: 3/1/2022
Mercury	0.542538	0.10	0.01	0.416667	0.039948	121	70 - 130	1.37	20	



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Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/07/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1223 - EPA 7471\_S**

**Post Spike (B2B1223-PS1)**

**Source: 2200246-01**

Prepared: 2/28/2022 Analyzed: 3/1/2022

Mercury	0.005447		5.00000E-3	0.000479	99.3	85 - 115			
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Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1221 - GCVOA_S</b>										
<b>Blank (B2B1221-BLK1)</b>										
						Prepared: 3/1/2022 Analyzed: 3/1/2022				
Gasoline Range Organics	ND	1.0	0.13							
C4-C12	ND	1.0	0.13							
C6-C12	ND	1.0	0.13							
<hr/>										
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6080</i>			<i>0.800000</i>		<i>76.0</i>	<i>47.6 - 121.18</i>			
<b>LCS (B2B1221-BS1)</b>										
						Prepared: 3/1/2022 Analyzed: 3/1/2022				
Gasoline Range Organics	4.61800	1.0	0.13	5.00000		92.4	58.69 - 124.04			
C4-C12	4.58000	1.0	0.13	5.00000		91.6	70 - 130			
<hr/>										
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6567</i>			<i>0.800000</i>		<i>82.1</i>	<i>47.6 - 121.18</i>			
<b>LCS Dup (B2B1221-BSD1)</b>										
						Prepared: 3/1/2022 Analyzed: 3/1/2022				
Gasoline Range Organics	3.97000	1.0	0.13	5.00000		79.4	58.69 - 124.04	15.1	20	
C4-C12	3.93700	1.0	0.13	5.00000		78.7	70 - 130	15.1	20	
<hr/>										
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6410</i>			<i>0.800000</i>		<i>80.1</i>	<i>47.6 - 121.18</i>			
<b>Matrix Spike (B2B1221-MS1)</b>										
				<b>Source: 2200238-13</b>		Prepared: 3/1/2022 Analyzed: 3/1/2022				
Gasoline Range Organics	5.33569	1.0	0.13	5.04032	ND	106	37.92 - 128.32			
C4-C12	5.30141	1.0	0.13	5.04032	ND	105	70 - 130			
<hr/>										
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7375</i>			<i>0.800000</i>		<i>92.2</i>	<i>47.6 - 121.18</i>			
<b>Matrix Spike Dup (B2B1221-MSD1)</b>										
				<b>Source: 2200238-13</b>		Prepared: 3/1/2022 Analyzed: 3/1/2022				
Gasoline Range Organics	4.94578	1.0	0.13	5.02008	ND	98.5	37.92 - 128.32	7.58	20	
C4-C12	4.92470	1.0	0.13	5.02008	ND	98.1	70 - 130	7.37	20	
<hr/>										
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7158</i>			<i>0.800000</i>		<i>89.5</i>	<i>47.6 - 121.18</i>			





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Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes	
<b>Batch B2C0890 - GCVOA_S</b>											
<b>Blank (B2C0890-BLK1)</b>					Prepared: 3/2/2022 Analyzed: 3/2/2022						
Gasoline Range Organics	ND	1.0	0.13								
C4-C12	ND	1.0	0.13								
C6-C12	ND	1.0	0.13								
<hr/>											
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.5888</i>			<i>0.800000</i>		<i>73.6</i>	<i>47.6 - 121.18</i>				
<b>LCS (B2C0890-BS1)</b>					Prepared: 3/2/2022 Analyzed: 3/2/2022						
Gasoline Range Organics	4.54700	1.0	0.13	5.00000		90.9	58.69 - 124.04				
C4-C12	4.49500	1.0	0.13	5.00000		89.9	70 - 130				
<hr/>											
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6493</i>			<i>0.800000</i>		<i>81.2</i>	<i>47.6 - 121.18</i>				
<b>LCS Dup (B2C0890-BSD1)</b>					Prepared: 3/2/2022 Analyzed: 3/2/2022						
Gasoline Range Organics	5.02400	1.0	0.13	5.00000		100	58.69 - 124.04	9.97	20		
C4-C12	4.97500	1.0	0.13	5.00000		99.5	70 - 130	10.1	20		
<hr/>											
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6616</i>			<i>0.800000</i>		<i>82.7</i>	<i>47.6 - 121.18</i>				
<b>Matrix Spike (B2C0890-MS1)</b>					<b>Source: 2200249-14</b>			Prepared: 3/2/2022 Analyzed: 3/2/2022			
Gasoline Range Organics	5.04391	1.0	0.13	4.99002	ND	101	37.92 - 128.32				
C4-C12	4.99900	1.0	0.13	4.99002	ND	100	70 - 130				
<hr/>											
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7265</i>			<i>0.800000</i>		<i>90.8</i>	<i>47.6 - 121.18</i>				
<b>Matrix Spike Dup (B2C0890-MSD1)</b>					<b>Source: 2200249-14</b>			Prepared: 3/2/2022 Analyzed: 3/2/2022			
Gasoline Range Organics	4.38623	1.0	0.13	4.99002	ND	87.9	37.92 - 128.32	13.9	20		
C4-C12	4.33333	1.0	0.13	4.99002	ND	86.8	70 - 130	14.3	20		
<hr/>											
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6700</i>			<i>0.800000</i>		<i>83.8</i>	<i>47.6 - 121.18</i>				



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1211 - GCSEMI_DRO_S</b>									
<b>Blank (B2B1211-BLK1)</b>					Prepared: 2/25/2022 Analyzed: 2/25/2022				
C13-C23	ND	10	3.6						
C23-C32	ND	10	3.6						
<i>Surrogate: p-Terphenyl</i>	73.52			80.0000		91.9	62 - 141		
<b>LCS (B2B1211-BS1)</b>					Prepared: 2/25/2022 Analyzed: 2/25/2022				
DRO	981.956	10	3.6	1000.00		98.2	56 - 139		
<i>Surrogate: p-Terphenyl</i>	78.52			80.0000		98.2	62 - 141		
<b>Duplicate (B2B1211-DUP1)</b>					Prepared: 2/25/2022 Analyzed: 2/25/2022				
<b>Source: 2200235-03</b>									
DRO	12.2680	10	3.6		14.2960			15.3	20
<i>Surrogate: p-Terphenyl</i>	94.93			80.0000		119	62 - 141		
<b>Matrix Spike (B2B1211-MS1)</b>					Prepared: 2/25/2022 Analyzed: 2/25/2022				
<b>Source: 2200235-06</b>									
DRO	1039.42	10	3.6	1000.00	5.59400	103	38 - 161		
<i>Surrogate: p-Terphenyl</i>	88.92			80.0000		111	62 - 141		
<b>Matrix Spike Dup (B2B1211-MSD1)</b>					Prepared: 2/25/2022 Analyzed: 2/25/2022				
<b>Source: 2200235-06</b>									
DRO	984.783	10	3.6	1000.00	5.59400	97.9	38 - 161	5.40	20
<i>Surrogate: p-Terphenyl</i>	85.12			80.0000		106	62 - 141		



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Project Number : Ontario Airport / 5925  
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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1213 - MSVOA\_S**

**Blank (B2B1213-BLK1)**

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



## Certificate of Analysis

GSI Environmental, Inc.  
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Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1213 - MSVOA\_S (continued)**

**Blank (B2B1213-BLK1) - Continued**

Prepared: 2/25/2022 Analyzed: 2/25/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	52.02			50.0000		104	66 - 200		
<i>Surrogate: 4-Bromofluorobenzene</i>	47.92			50.0000		95.8	50 - 146		
<i>Surrogate: Dibromofluoromethane</i>	51.06			50.0000		102	77 - 159		
<i>Surrogate: Toluene-d8</i>	48.73			50.0000		97.5	81 - 128		

**LCS (B2B1213-BS1)**

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,1,1,2-Tetrachloroethane	44.6800	5.0	0.52	50.0000		89.4	84 - 123		
1,1,1-Trichloroethane	54.0000	5.0	0.26	50.0000		108	78 - 133		
1,1,2,2-Tetrachloroethane	43.4300	5.0	0.21	50.0000		86.9	63 - 127		
1,1,2-Trichloroethane	42.9300	5.0	0.40	50.0000		85.9	80 - 125		
1,1-Dichloroethane	53.1400	5.0	1.4	50.0000		106	77 - 128		
1,1-Dichloroethene	57.4200	5.0	1.9	50.0000		115	69 - 138		
1,1-Dichloropropene	52.7500	5.0	0.54	50.0000		106	80 - 133		
1,2,3-Trichloropropane	40.9800	5.0	0.40	50.0000		82.0	74 - 123		
1,2,3-Trichlorobenzene	45.8700	5.0	0.83	50.0000		91.7	79 - 133		
1,2,4-Trichlorobenzene	47.7600	5.0	0.80	50.0000		95.5	73 - 131		
1,2,4-Trimethylbenzene	49.3700	5.0	0.91	50.0000		98.7	86 - 137		
1,2-Dibromo-3-chloropropane	42.9300	10	1.1	50.0000		85.9	62 - 127		
1,2-Dibromoethane	42.2100	5.0	0.40	50.0000		84.4	83 - 126		
1,2-Dichlorobenzene	46.7700	5.0	0.21	50.0000		93.5	83 - 123		
1,2-Dichloroethane	43.5300	5.0	0.50	50.0000		87.1	76 - 128		



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1213 - MSVOA_S (continued)</b>									
<b>LCS (B2B1213-BS1) - Continued</b>					Prepared: 2/25/2022 Analyzed: 2/25/2022				
1,2-Dichloropropane	47.7300	5.0	0.46	50.0000		95.5	77 - 121		
1,3,5-Trimethylbenzene	49.9900	5.0	0.70	50.0000		100	84 - 135		
1,3-Dichlorobenzene	46.4700	5.0	0.36	50.0000		92.9	81 - 126		
1,3-Dichloropropane	44.2900	5.0	0.49	50.0000		88.6	80 - 118		
1,4-Dichlorobenzene	46.3200	5.0	0.27	50.0000		92.6	80 - 124		
2,2-Dichloropropane	54.3100	5.0	0.28	50.0000		109	72 - 135		
2-Chlorotoluene	48.6800	5.0	0.53	50.0000		97.4	81 - 127		
4-Chlorotoluene	49.4600	5.0	0.40	50.0000		98.9	83 - 127		
4-Isopropyltoluene	52.0000	5.0	0.81	50.0000		104	82 - 143		
Benzene	51.8600	5.0	0.36	50.0000		104	84 - 123		
Bromobenzene	46.8300	5.0	0.62	50.0000		93.7	80 - 122		
Bromochloromethane	48.8300	5.0	0.30	50.0000		97.7	83 - 127		
Bromodichloromethane	44.2800	5.0	0.52	50.0000		88.6	82 - 123		
Bromoform	40.8700	5.0	1.4	50.0000		81.7	80 - 132		
Bromomethane	59.6400	5.0	2.5	50.0000		119	67 - 176		
Carbon disulfide	53.3300	5.0	0.94	50.0000		107	75 - 138		
Carbon tetrachloride	52.5200	5.0	0.73	50.0000		105	76 - 131		
Chlorobenzene	47.5400	5.0	0.42	50.0000		95.1	84 - 119		
Chloroethane	64.3700	5.0	1.5	50.0000		129	56 - 170		
Chloroform	50.6200	5.0	0.24	50.0000		101	78 - 129		
Chloromethane	59.6000	5.0	1.1	50.0000		119	63 - 141		
cis-1,2-Dichloroethene	73.6700	5.0	0.20	50.0000		147	83 - 125		L5
cis-1,3-Dichloropropene	42.3600	5.0	0.39	50.0000		84.7	76 - 129		
Di-isopropyl ether	50.2700	5.0	1.9	50.0000		101	73 - 132		
Dibromochloromethane	41.9800	5.0	0.81	50.0000		84.0	81 - 120		
Dibromomethane	41.4900	5.0	0.23	50.0000		83.0	79 - 124		
Dichlorodifluoromethane	58.3600	5.0	0.14	50.0000		117	18 - 199		
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138		MO
Ethyl Ether	523.080	50	17	500.000		105	74 - 128		
Ethyl tert-butyl ether	42.3900	5.0	0.85	50.0000		84.8	50 - 175		
Ethylbenzene	50.8100	5.0	0.43	50.0000		102	86 - 130		
Freon-113	60.7900	5.0	1.3	50.0000		122	66 - 132		
Hexachlorobutadiene	51.8400	5.0	0.40	50.0000		104	64 - 135		
Isopropylbenzene	53.7500	5.0	0.79	50.0000		108	80 - 133		
m,p-Xylene	99.0100	10	0.98	100.000		99.0	89 - 133		
Methylene chloride	47.3300	5.0	2.2	50.0000		94.7	72 - 143		
MTBE	42.3600	5.0	0.81	50.0000		84.7	73 - 136		
n-Butylbenzene	53.0500	5.0	1.2	50.0000		106	76 - 144		
n-Propylbenzene	51.3500	5.0	0.78	50.0000		103	81 - 136		
Naphthalene	36.6400	5.0	1.1	50.0000		73.3	64 - 128		
o-Xylene	49.2200	5.0	0.67	50.0000		98.4	82 - 134		
sec-Butylbenzene	54.5600	5.0	0.63	50.0000		109	81 - 138		
Styrene	45.9700	5.0	0.45	50.0000		91.9	79 - 152		
tert-Amyl methyl ether	41.0500	5.0	1.1	50.0000		82.1	48 - 166		
tert-Butanol	173.810	100	11	250.000		69.5	48 - 148		



# Certificate of Analysis

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Reported : 03/07/2022

## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2B1213 - MSVOA\_S (continued)

#### LCS (B2B1213-BS1) - Continued

Prepared: 2/25/2022 Analyzed: 2/25/2022

tert-Butylbenzene	51.0400	5.0	0.80	50.0000		102	81 - 135			
Tetrachloroethene	53.0700	5.0	0.31	50.0000		106	75 - 127			
Toluene	50.1600	5.0	0.27	50.0000		100	88 - 130			
trans-1,2-Dichloroethene	39.5300	5.0	0.56	50.0000		79.1	79 - 127			
trans-1,3-Dichloropropene	40.8500	5.0	0.59	50.0000		81.7	80 - 130			
Trichloroethene	50.0500	5.0	0.32	50.0000		100	83 - 126			
Trichlorofluoromethane	65.1500	5.0	1.0	50.0000		130	62 - 143			
Vinyl acetate	92.5900	50	6.0	500.000		18.5	69 - 150			MO
Vinyl chloride	62.2500	5.0	0.92	50.0000		124	69 - 140			

Surrogate: 1,2-Dichloroethane-d4	50.55			50.0000		101	66 - 200			
Surrogate: 4-Bromofluorobenzene	47.41			50.0000		94.8	50 - 146			
Surrogate: Dibromofluoromethane	51.24			50.0000		102	77 - 159			
Surrogate: Toluene-d8	49.01			50.0000		98.0	81 - 128			

#### LCS Dup (B2B1213-BSD1)

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,1,1,2-Tetrachloroethane	45.2000	5.0	0.52	50.0000		90.4	84 - 123	1.16	20	
1,1,1-Trichloroethane	51.3200	5.0	0.26	50.0000		103	78 - 133	5.09	20	
1,1,2,2-Tetrachloroethane	44.3500	5.0	0.21	50.0000		88.7	63 - 127	2.10	20	
1,1,2-Trichloroethane	46.8500	5.0	0.40	50.0000		93.7	80 - 125	8.73	20	
1,1-Dichloroethane	52.9900	5.0	1.4	50.0000		106	77 - 128	0.283	20	
1,1-Dichloroethene	53.5400	5.0	1.9	50.0000		107	69 - 138	6.99	20	
1,1-Dichloropropene	49.8000	5.0	0.54	50.0000		99.6	80 - 133	5.75	20	
1,2,3-Trichloropropane	42.5200	5.0	0.40	50.0000		85.0	74 - 123	3.69	20	
1,2,3-Trichlorobenzene	46.8600	5.0	0.83	50.0000		93.7	79 - 133	2.14	20	
1,2,4-Trichlorobenzene	48.7000	5.0	0.80	50.0000		97.4	73 - 131	1.95	20	
1,2,4-Trimethylbenzene	47.2300	5.0	0.91	50.0000		94.5	86 - 137	4.43	20	
1,2-Dibromo-3-chloropropane	45.9400	10	1.1	50.0000		91.9	62 - 127	6.77	20	
1,2-Dibromoethane	44.9800	5.0	0.40	50.0000		90.0	83 - 126	6.35	20	
1,2-Dichlorobenzene	46.4100	5.0	0.21	50.0000		92.8	83 - 123	0.773	20	
1,2-Dichloroethane	46.8400	5.0	0.50	50.0000		93.7	76 - 128	7.33	20	
1,2-Dichloropropane	49.1300	5.0	0.46	50.0000		98.3	77 - 121	2.89	20	
1,3,5-Trimethylbenzene	47.0700	5.0	0.70	50.0000		94.1	84 - 135	6.02	20	
1,3-Dichlorobenzene	46.3600	5.0	0.36	50.0000		92.7	81 - 126	0.237	20	
1,3-Dichloropropane	47.2100	5.0	0.49	50.0000		94.4	80 - 118	6.38	20	
1,4-Dichlorobenzene	45.8500	5.0	0.27	50.0000		91.7	80 - 124	1.02	20	
2,2-Dichloropropane	51.2900	5.0	0.28	50.0000		103	72 - 135	5.72	20	
2-Chlorotoluene	45.9100	5.0	0.53	50.0000		91.8	81 - 127	5.86	20	
4-Chlorotoluene	47.3600	5.0	0.40	50.0000		94.7	83 - 127	4.34	20	
4-Isopropyltoluene	46.7900	5.0	0.81	50.0000		93.6	82 - 143	10.5	20	
Benzene	51.4600	5.0	0.36	50.0000		103	84 - 123	0.774	20	
Bromobenzene	46.9800	5.0	0.62	50.0000		94.0	80 - 122	0.320	20	
Bromochloromethane	52.7500	5.0	0.30	50.0000		106	83 - 127	7.72	20	
Bromodichloromethane	46.8800	5.0	0.52	50.0000		93.8	82 - 123	5.70	20	
Bromoform	44.6500	5.0	1.4	50.0000		89.3	80 - 132	8.84	20	
Bromomethane	59.7100	5.0	2.5	50.0000		119	67 - 176	0.117	20	



# Certificate of Analysis

GSI Environmental, Inc.

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Irvine , CA 92612

Reported : 03/07/2022

## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1213 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2B1213-BSD1) - Continued</b>					Prepared: 2/25/2022 Analyzed: 2/25/2022				
Carbon disulfide	51.2600	5.0	0.94	50.0000		103	75 - 138	3.96	20
Carbon tetrachloride	48.0500	5.0	0.73	50.0000		96.1	76 - 131	8.89	20
Chlorobenzene	47.5700	5.0	0.42	50.0000		95.1	84 - 119	0.0631	20
Chloroethane	60.5500	5.0	1.5	50.0000		121	56 - 170	6.12	20
Chloroform	51.9100	5.0	0.24	50.0000		104	78 - 129	2.52	20
Chloromethane	54.9100	5.0	1.1	50.0000		110	63 - 141	8.19	20
cis-1,2-Dichloroethene	74.1700	5.0	0.20	50.0000		148	83 - 125	0.676	20 L5
cis-1,3-Dichloropropene	45.0200	5.0	0.39	50.0000		90.0	76 - 129	6.09	20
Di-isopropyl ether	51.9900	5.0	1.9	50.0000		104	73 - 132	3.36	20
Dibromochloromethane	45.8200	5.0	0.81	50.0000		91.6	81 - 120	8.75	20
Dibromomethane	46.1000	5.0	0.23	50.0000		92.2	79 - 124	10.5	20
Dichlorodifluoromethane	52.5900	5.0	0.14	50.0000		105	18 - 199	10.4	20
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138	NR	20 MO
Ethyl Ether	564.150	50	17	500.000		113	74 - 128	7.55	20
Ethyl tert-butyl ether	45.8400	5.0	0.85	50.0000		91.7	50 - 175	7.82	20
Ethylbenzene	49.6900	5.0	0.43	50.0000		99.4	86 - 130	2.23	20
Freon-113	55.8700	5.0	1.3	50.0000		112	66 - 132	8.43	20
Hexachlorobutadiene	47.7900	5.0	0.40	50.0000		95.6	64 - 135	8.13	20
Isopropylbenzene	47.8800	5.0	0.79	50.0000		95.8	80 - 133	11.6	20
m,p-Xylene	96.2300	10	0.98	100.000		96.2	89 - 133	2.85	20
Methylene chloride	49.2800	5.0	2.2	50.0000		98.6	72 - 143	4.04	20
MTBE	45.3100	5.0	0.81	50.0000		90.6	73 - 136	6.73	20
n-Butylbenzene	47.4200	5.0	1.2	50.0000		94.8	76 - 144	11.2	20
n-Propylbenzene	46.4900	5.0	0.78	50.0000		93.0	81 - 136	9.93	20
Naphthalene	39.0400	5.0	1.1	50.0000		78.1	64 - 128	6.34	20
o-Xylene	48.8500	5.0	0.67	50.0000		97.7	82 - 134	0.755	20
sec-Butylbenzene	48.3900	5.0	0.63	50.0000		96.8	81 - 138	12.0	20
Styrene	47.2100	5.0	0.45	50.0000		94.4	79 - 152	2.66	20
tert-Amyl methyl ether	44.9500	5.0	1.1	50.0000		89.9	48 - 166	9.07	20
tert-Butanol	188.830	100	11	250.000		75.5	48 - 148	8.28	20
tert-Butylbenzene	46.2700	5.0	0.80	50.0000		92.5	81 - 135	9.80	20
Tetrachloroethene	49.1400	5.0	0.31	50.0000		98.3	75 - 127	7.69	20
Toluene	49.6900	5.0	0.27	50.0000		99.4	88 - 130	0.941	20
trans-1,2-Dichloroethene	41.2400	5.0	0.56	50.0000		82.5	79 - 127	4.23	20
trans-1,3-Dichloropropene	44.4100	5.0	0.59	50.0000		88.8	80 - 130	8.35	20
Trichloroethene	47.1700	5.0	0.32	50.0000		94.3	83 - 126	5.92	20
Trichlorofluoromethane	58.6900	5.0	1.0	50.0000		117	62 - 143	10.4	20
Vinyl acetate	95.6200	50	6.0	500.000		19.1	69 - 150	3.22	20 MO
Vinyl chloride	57.3700	5.0	0.92	50.0000		115	69 - 140	8.16	20

Surrogate: 1,2-Dichloroethane-d4	50.36			50.0000		101	66 - 200		
Surrogate: 4-Bromofluorobenzene	48.44			50.0000		96.9	50 - 146		
Surrogate: Dibromofluoromethane	52.44			50.0000		105	77 - 159		
Surrogate: Toluene-d8	49.15			50.0000		98.3	81 - 128		

Matrix Spike (B2B1213-MS1)

Source: 2200235-06

Prepared: 2/25/2022 Analyzed: 2/25/2022



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/07/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result	PQL	MDL	Spike	Source	% Rec	RPD		
	(ug/kg)	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit Notes

**Batch B2B1213 - MSVOA\_S (continued)**

**Matrix Spike (B2B1213-MS1) - Continued**

Source: 2200235-06

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,1,1,2-Tetrachloroethane	28.1784	3.7	0.39	37.4813	ND	75.2	50 - 126		
1,1,1-Trichloroethane	31.5292	3.7	0.20	37.4813	ND	84.1	56 - 144		
1,1,2,2-Tetrachloroethane	35.8920	3.7	0.16	37.4813	ND	95.8	20 - 153		
1,1,2-Trichloroethane	31.5442	3.7	0.30	37.4813	ND	84.2	0 - 421		
1,1-Dichloroethane	30.6447	3.7	1.0	37.4813	ND	81.8	58 - 131		
1,1-Dichloroethene	32.5262	3.7	1.4	37.4813	ND	86.8	60 - 143		
1,1-Dichloropropene	32.8636	3.7	0.40	37.4813	ND	87.7	57 - 144		
1,2,3-Trichloropropane	37.1064	3.7	0.30	37.4813	ND	99.0	52 - 121		
1,2,3-Trichlorobenzene	27.0690	3.7	0.62	37.4813	ND	72.2	0 - 153		
1,2,4-Trichlorobenzene	27.0240	3.7	0.60	37.4813	ND	72.1	0 - 146		
1,2,4-Trimethylbenzene	28.8231	3.7	0.68	37.4813	ND	76.9	26 - 155		
1,2-Dibromo-3-chloropropane	38.2684	7.5	0.83	37.4813	ND	102	36 - 125		
1,2-Dibromoethane	32.2039	3.7	0.30	37.4813	ND	85.9	56 - 127		
1,2-Dichlorobenzene	27.9910	3.7	0.16	37.4813	ND	74.7	26 - 136		
1,2-Dichloroethane	29.8576	3.7	0.38	37.4813	ND	79.7	60 - 118		
1,2-Dichloropropene	29.6702	3.7	0.35	37.4813	ND	79.2	52 - 124		
1,3,5-Trimethylbenzene	29.3928	3.7	0.53	37.4813	ND	78.4	31 - 152		
1,3-Dichlorobenzene	27.5412	3.7	0.27	37.4813	ND	73.5	26 - 140		
1,3-Dichloropropene	32.6837	3.7	0.37	37.4813	ND	87.2	56 - 118		
1,4-Dichlorobenzene	28.4408	3.7	0.20	37.4813	ND	75.9	27 - 136		
2,2-Dichloropropene	31.4018	3.7	0.21	37.4813	ND	83.8	50 - 146		
2-Chlorotoluene	29.0405	3.7	0.40	37.4813	ND	77.5	28 - 149		
4-Chlorotoluene	29.2804	3.7	0.30	37.4813	ND	78.1	35 - 142		
4-Isopropyltoluene	30.6072	3.7	0.61	37.4813	ND	81.7	12 - 175		
Benzene	31.5292	3.7	0.27	37.4813	ND	84.1	61 - 127		
Bromobenzene	29.6102	3.7	0.47	37.4813	ND	79.0	40 - 129		
Bromochloromethane	30.0825	3.7	0.22	37.4813	ND	80.3	57 - 135		
Bromodichloromethane	27.3463	3.7	0.39	37.4813	ND	73.0	58 - 119		
Bromoform	31.5217	3.7	1.0	37.4813	ND	84.1	48 - 130		
Bromomethane	23.7631	3.7	1.8	37.4813	ND	63.4	40 - 183		
Carbon disulfide	31.2369	3.7	0.71	37.4813	ND	83.3	49 - 153		
Carbon tetrachloride	31.2968	3.7	0.55	37.4813	ND	83.5	49 - 146		
Chlorobenzene	29.2729	3.7	0.32	37.4813	ND	78.1	46 - 128		
Chloroethane	26.9116	3.7	1.1	37.4813	ND	71.8	37 - 178		
Chloroform	28.9955	3.7	0.18	37.4813	ND	77.4	59 - 129		
Chloromethane	36.1020	3.7	0.82	37.4813	ND	96.3	31 - 168		
cis-1,2-Dichloroethene	43.5532	3.7	0.15	37.4813	ND	116	52 - 137		
cis-1,3-Dichloropropene	27.3838	3.7	0.29	37.4813	ND	73.1	45 - 130		
Di-isopropyl ether	29.4453	3.7	1.4	37.4813	ND	78.6	55 - 132		
Dibromochloromethane	29.9925	3.7	0.60	37.4813	ND	80.0	56 - 117		
Dibromomethane	30.2099	3.7	0.17	37.4813	ND	80.6	62 - 116		
Dichlorodifluoromethane	33.1709	3.7	0.11	37.4813	ND	88.5	0 - 266		
Ethyl Acetate	ND	37	5.3	374.813	ND	NR	16 - 156		MO
Ethyl Ether	347.894	37	13	374.813	ND	92.8	58 - 127		
Ethyl tert-butyl ether	34.5277	3.7	0.64	37.4813	ND	92.1	23 - 181		





# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2B1213 - MSVOA\_S (continued)

#### Matrix Spike (B2B1213-MS1) - Continued

Source: 2200235-06

Prepared: 2/25/2022 Analyzed: 2/25/2022

Ethylbenzene	31.2444	3.7	0.32	37.4813	ND	83.4	43 - 144			
Freon-113	36.4543	3.7	0.96	37.4813	ND	97.3	45 - 148			
Hexachlorobutadiene	26.7991	3.7	0.30	37.4813	ND	71.5	0 - 149			
Isopropylbenzene	31.4843	3.7	0.60	37.4813	ND	84.0	38 - 148			
m,p-Xylene	60.8771	7.5	0.74	74.9625	ND	81.2	43 - 146			
Methylene chloride	27.2414	3.7	1.6	37.4813	1.70320	68.1	51 - 139			
MTBE	32.1589	3.7	0.61	37.4813	ND	85.8	41 - 152			
n-Butylbenzene	30.2099	3.7	0.88	37.4813	ND	80.6	11 - 163			
n-Propylbenzene	30.6372	3.7	0.59	37.4813	ND	81.7	31 - 154			
Naphthalene	26.4093	3.7	0.85	37.4813	ND	70.5	0 - 266			
o-Xylene	29.9026	3.7	0.50	37.4813	ND	79.8	40 - 142			
sec-Butylbenzene	30.6822	3.7	0.47	37.4813	ND	81.9	20 - 161			
Styrene	27.9460	3.7	0.34	37.4813	ND	74.6	31 - 157			
tert-Amyl methyl ether	39.6027	3.7	0.82	37.4813	ND	106	20 - 179			
tert-Butanol	168.081	75	8.4	187.406	ND	89.7	6 - 173			
tert-Butylbenzene	30.0000	3.7	0.60	37.4813	ND	80.0	28 - 155			
Tetrachloroethene	32.7211	3.7	0.23	37.4813	ND	87.3	39 - 144			
Toluene	30.4723	3.7	0.20	37.4813	ND	81.3	10 - 179			
trans-1,2-Dichloroethene	23.0285	3.7	0.42	37.4813	ND	61.4	60 - 135			
trans-1,3-Dichloropropene	28.0960	3.7	0.44	37.4813	ND	75.0	53 - 131			
Trichloroethene	30.4423	3.7	0.24	37.4813	ND	81.2	54 - 135			
Trichlorofluoromethane	38.3058	3.7	0.79	37.4813	ND	102	35 - 165			
Vinyl acetate	54.1229	37	4.5	374.813	ND	14.4	0 - 180			
Vinyl chloride	36.4992	3.7	0.69	37.4813	ND	97.4	44 - 165			

Surrogate: 1,2-Dichloroethane-d4	37.77			37.4813		101	66 - 200			
Surrogate: 4-Bromofluorobenzene	36.17			37.4813		96.5	50 - 146			
Surrogate: Dibromofluoromethane	35.92			37.4813		95.8	77 - 159			
Surrogate: Toluene-d8	36.67			37.4813		97.8	81 - 128			

#### Matrix Spike Dup (B2B1213-MSD1)

Source: 2200235-06

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,1,1,2-Tetrachloroethane	45.1505	5.4	0.56	53.7634	ND	84.0	50 - 126	46.3	20	R
1,1,1-Trichloroethane	41.9247	5.4	0.28	53.7634	ND	78.0	56 - 144	28.3	20	R
1,1,2,2-Tetrachloroethane	58.6022	5.4	0.22	53.7634	ND	109	20 - 153	48.1	20	R
1,1,2-Trichloroethane	53.3333	5.4	0.43	53.7634	ND	99.2	0 - 421	51.3	20	R
1,1-Dichloroethane	40.4086	5.4	1.5	53.7634	ND	75.2	58 - 131	27.5	20	R
1,1-Dichloroethene	43.9677	5.4	2.0	53.7634	ND	81.8	60 - 143	29.9	20	R
1,1-Dichloropropene	47.4086	5.4	0.58	53.7634	ND	88.2	57 - 144	36.2	20	R
1,2,3-Trichloropropane	59.4086	5.4	0.43	53.7634	ND	110	52 - 121	46.2	20	R
1,2,3-Trichlorobenzene	45.0430	5.4	0.89	53.7634	ND	83.8	0 - 153	49.9	20	R
1,2,4-Trichlorobenzene	44.4946	5.4	0.86	53.7634	ND	82.8	0 - 146	48.9	20	R
1,2,4-Trimethylbenzene	45.5269	5.4	0.98	53.7634	ND	84.7	26 - 155	44.9	20	R
1,2-Dibromo-3-chloropropane	59.1290	11	1.2	53.7634	ND	110	36 - 125	42.8	20	R
1,2-Dibromoethane	53.9462	5.4	0.43	53.7634	ND	100	56 - 127	50.5	20	R
1,2-Dichlorobenzene	46.5161	5.4	0.23	53.7634	ND	86.5	26 - 136	49.7	20	R
1,2-Dichloroethane	44.6882	5.4	0.54	53.7634	ND	83.1	60 - 118	39.8	20	R



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Project Number : Ontario Airport / 5925

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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1213 - MSVOA\_S (continued)**

**Matrix Spike Dup (B2B1213-MSD1) - Continued**

Source: 2200235-06

Prepared: 2/25/2022 Analyzed: 2/25/2022

1,2-Dichloropropane	44.3548	5.4	0.50	53.7634	ND	82.5	52 - 124	39.7	20	R
1,3,5-Trimethylbenzene	46.3226	5.4	0.75	53.7634	ND	86.2	31 - 152	44.7	20	R
1,3-Dichlorobenzene	45.2366	5.4	0.39	53.7634	ND	84.1	26 - 140	48.6	20	R
1,3-Dichloropropane	49.9570	5.4	0.53	53.7634	ND	92.9	56 - 118	41.8	20	R
1,4-Dichlorobenzene	45.3011	5.4	0.29	53.7634	ND	84.3	27 - 136	45.7	20	R
2,2-Dichloropropane	40.6129	5.4	0.30	53.7634	ND	75.5	50 - 146	25.6	20	R
2-Chlorotoluene	47.2366	5.4	0.57	53.7634	ND	87.9	28 - 149	47.7	20	R
4-Chlorotoluene	47.6022	5.4	0.43	53.7634	ND	88.5	35 - 142	47.7	20	R
4-Isopropyltoluene	47.1828	5.4	0.87	53.7634	ND	87.8	12 - 175	42.6	20	R
Benzene	44.9032	5.4	0.38	53.7634	ND	83.5	61 - 127	35.0	20	R
Bromobenzene	48.3871	5.4	0.67	53.7634	ND	90.0	40 - 129	48.1	20	R
Bromochloromethane	43.3763	5.4	0.32	53.7634	ND	80.7	57 - 135	36.2	20	R
Bromodichloromethane	45.3763	5.4	0.56	53.7634	ND	84.4	58 - 119	49.6	20	R
Bromoform	52.6344	5.4	1.5	53.7634	ND	97.9	48 - 130	50.2	20	R
Bromomethane	43.2473	5.4	2.7	53.7634	ND	80.4	40 - 183	58.2	20	R
Carbon disulfide	40.8064	5.4	1.0	53.7634	ND	75.9	49 - 153	26.6	20	R
Carbon tetrachloride	45.9032	5.4	0.79	53.7634	ND	85.4	49 - 146	37.8	20	R
Chlorobenzene	45.5161	5.4	0.45	53.7634	ND	84.7	46 - 128	43.4	20	R
Chloroethane	48.0108	5.4	1.6	53.7634	ND	89.3	37 - 178	56.3	20	R
Chloroform	39.6882	5.4	0.26	53.7634	ND	73.8	59 - 129	31.1	20	R
Chloromethane	46.0108	5.4	1.2	53.7634	ND	85.6	31 - 168	24.1	20	R
cis-1,2-Dichloroethene	57.6236	5.4	0.21	53.7634	ND	107	52 - 137	27.8	20	R
cis-1,3-Dichloropropene	43.5591	5.4	0.42	53.7634	ND	81.0	45 - 130	45.6	20	R
Di-isopropyl ether	39.2581	5.4	2.1	53.7634	ND	73.0	55 - 132	28.6	20	R
Dibromochloromethane	48.3548	5.4	0.87	53.7634	ND	89.9	56 - 117	46.9	20	R
Dibromomethane	49.3871	5.4	0.24	53.7634	ND	91.9	62 - 116	48.2	20	R
Dichlorodifluoromethane	45.0968	5.4	0.16	53.7634	ND	83.9	0 - 266	30.5	20	R
Ethyl Acetate	13.5054	5.4	7.5	53.7634	ND	2.51	16 - 156	NR	20	MO
Ethyl Ether	450.312	5.4	19	53.7634	ND	83.8	58 - 127	25.7	20	R
Ethyl tert-butyl ether	33.0430	5.4	0.91	53.7634	ND	61.5	23 - 181	4.39	20	R
Ethylbenzene	47.3548	5.4	0.47	53.7634	ND	88.1	43 - 144	41.0	20	R
Freon-113	46.3441	5.4	1.4	53.7634	ND	86.2	45 - 148	23.9	20	R
Hexachlorobutadiene	44.9570	5.4	0.43	53.7634	ND	83.6	0 - 149	50.6	20	R
Isopropylbenzene	49.6452	5.4	0.85	53.7634	ND	92.3	38 - 148	44.8	20	R
m,p-Xylene	92.4946	11	1.1	107.527	ND	86.0	43 - 146	41.2	20	R
Methylene chloride	36.4194	5.4	2.3	53.7634	ND	67.7	51 - 139	28.8	20	R
MTBE	37.3656	5.4	0.87	53.7634	ND	69.5	41 - 152	15.0	20	R
n-Butylbenzene	46.6344	5.4	1.3	53.7634	ND	86.7	11 - 163	42.7	20	R
n-Propylbenzene	47.5806	5.4	0.84	53.7634	ND	88.5	31 - 154	43.3	20	R
Naphthalene	47.7742	5.4	1.2	53.7634	ND	88.9	0 - 266	57.6	20	R
o-Xylene	46.3333	5.4	0.72	53.7634	ND	86.2	40 - 142	43.1	20	R
sec-Butylbenzene	49.0645	5.4	0.68	53.7634	ND	91.3	20 - 161	46.1	20	R
Styrene	44.5269	5.4	0.49	53.7634	ND	82.8	31 - 157	45.8	20	R
tert-Amyl methyl ether	35.1398	5.4	1.2	53.7634	ND	65.4	20 - 179	11.9	20	R
tert-Butanol	265.538	110	12	268.817	ND	98.8	6 - 173	45.0	20	R



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1213 - MSVOA_S (continued)</b>										
<b>Matrix Spike Dup (B2B1213-MSD1) - Continued</b>			<b>Source: 2200235-06</b>			Prepared: 2/25/2022 Analyzed: 2/25/2022				
tert-Butylbenzene	47.2473	5.4	0.86	53.7634	ND	87.9	28 - 155	44.7	20	R
Tetrachloroethene	45.8064	5.4	0.33	53.7634	ND	85.2	39 - 144	33.3	20	R
Toluene	46.6129	5.4	0.29	53.7634	ND	86.7	10 - 179	41.9	20	R
trans-1,2-Dichloroethene	30.8280	5.4	0.60	53.7634	ND	57.3	60 - 135	29.0	20	M2, R
trans-1,3-Dichloropropene	46.3226	5.4	0.64	53.7634	ND	86.2	53 - 131	49.0	20	R
Trichloroethene	45.5806	5.4	0.34	53.7634	ND	84.8	54 - 135	39.8	20	R
Trichlorofluoromethane	49.4839	5.4	1.1	53.7634	ND	92.0	35 - 165	25.5	20	R
Vinyl acetate	71.9032	5.4	6.4	53.7634	ND	13.4	0 - 180	28.2	20	R
Vinyl chloride	48.0860	5.4	0.99	53.7634	ND	89.4	44 - 165	27.4	20	R
<hr/>										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>54.51</i>			<i>53.7634</i>		<i>101</i>	<i>66 - 200</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.03</i>			<i>53.7634</i>		<i>94.9</i>	<i>50 - 146</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>51.39</i>			<i>53.7634</i>		<i>95.6</i>	<i>77 - 159</i>			
<i>Surrogate: Toluene-d8</i>	<i>56.60</i>			<i>53.7634</i>		<i>105</i>	<i>81 - 128</i>			



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1236 - MSVOA\_S**

**Blank (B2B1236-BLK1)**

Prepared: 2/28/2022 Analyzed: 2/28/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1236 - MSVOA\_S (continued)**

**Blank (B2B1236-BLK1) - Continued**

Prepared: 2/28/2022 Analyzed: 2/28/2022

Ethylbenzene	ND	5.0	0.43
Freon-113	ND	5.0	1.3
Hexachlorobutadiene	ND	5.0	0.40
Isopropylbenzene	ND	5.0	0.79
m,p-Xylene	ND	10	0.98
Methylene chloride	ND	5.0	2.2
MTBE	ND	5.0	0.81
n-Butylbenzene	ND	5.0	1.2
n-Propylbenzene	ND	5.0	0.78
Naphthalene	ND	5.0	1.1
o-Xylene	ND	5.0	0.67
sec-Butylbenzene	ND	5.0	0.63
Styrene	ND	5.0	0.45
tert-Amyl methyl ether	ND	5.0	1.1
tert-Butanol	ND	100	11
tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	60.07	50.0000	120	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	47.77	50.0000	95.5	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	59.56	50.0000	119	77 - 159
<i>Surrogate: Toluene-d8</i>	48.33	50.0000	96.7	81 - 128

**Blank (B2B1236-BLK2)**

Prepared: 2/28/2022 Analyzed: 2/28/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52
1,1,1-Trichloroethane	ND	5.0	0.26
1,1,2,2-Tetrachloroethane	ND	5.0	0.21
1,1,2-Trichloroethane	ND	5.0	0.40
1,1-Dichloroethane	ND	5.0	1.4
1,1-Dichloroethene	ND	5.0	1.9
1,1-Dichloropropene	ND	5.0	0.54
1,2,3-Trichloropropane	ND	5.0	0.40
1,2,3-Trichlorobenzene	ND	5.0	0.83
1,2,4-Trichlorobenzene	ND	5.0	0.80
1,2,4-Trimethylbenzene	ND	5.0	0.91
1,2-Dibromo-3-chloropropane	ND	10	1.1
1,2-Dibromoethane	ND	5.0	0.40
1,2-Dichlorobenzene	ND	5.0	0.21
1,2-Dichloroethane	ND	5.0	0.50



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## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2B1236 - MSVOA\_S (continued)

#### Blank (B2B1236-BLK2) - Continued

Prepared: 2/28/2022 Analyzed: 2/28/2022

1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						
Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1236 - MSVOA\_S (continued)**

**Blank (B2B1236-BLK2) - Continued**

Prepared: 2/28/2022 Analyzed: 2/28/2022

tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	49.18		50.0000	98.4	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	46.58		50.0000	93.2	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	47.05		50.0000	94.1	77 - 159
<i>Surrogate: Toluene-d8</i>	49.18		50.0000	98.4	81 - 128

**LCS (B2B1236-BS1)**

Prepared: 2/28/2022 Analyzed: 2/28/2022

1,1,1,2-Tetrachloroethane	47.3000	5.0	0.52	50.0000	94.6	84 - 123
1,1,1-Trichloroethane	52.9800	5.0	0.26	50.0000	106	78 - 133
1,1,2,2-Tetrachloroethane	47.4000	5.0	0.21	50.0000	94.8	63 - 127
1,1,2-Trichloroethane	48.9200	5.0	0.40	50.0000	97.8	80 - 125
1,1-Dichloroethane	50.7400	5.0	1.4	50.0000	101	77 - 128
1,1-Dichloroethene	51.3600	5.0	1.9	50.0000	103	69 - 138
1,1-Dichloropropene	50.4100	5.0	0.54	50.0000	101	80 - 133
1,2,3-Trichloropropane	47.2200	5.0	0.40	50.0000	94.4	74 - 123
1,2,3-Trichlorobenzene	47.5300	5.0	0.83	50.0000	95.1	79 - 133
1,2,4-Trichlorobenzene	47.0600	5.0	0.80	50.0000	94.1	73 - 131
1,2,4-Trimethylbenzene	50.3700	5.0	0.91	50.0000	101	86 - 137
1,2-Dibromo-3-chloropropane	46.4200	10	1.1	50.0000	92.8	62 - 127
1,2-Dibromoethane	48.6500	5.0	0.40	50.0000	97.3	83 - 126
1,2-Dichlorobenzene	45.8200	5.0	0.21	50.0000	91.6	83 - 123
1,2-Dichloroethane	51.1600	5.0	0.50	50.0000	102	76 - 128
1,2-Dichloropropane	48.3700	5.0	0.46	50.0000	96.7	77 - 121
1,3,5-Trimethylbenzene	49.4900	5.0	0.70	50.0000	99.0	84 - 135
1,3-Dichlorobenzene	47.8900	5.0	0.36	50.0000	95.8	81 - 126
1,3-Dichloropropane	48.3300	5.0	0.49	50.0000	96.7	80 - 118
1,4-Dichlorobenzene	49.2700	5.0	0.27	50.0000	98.5	80 - 124
2,2-Dichloropropane	52.6100	5.0	0.28	50.0000	105	72 - 135
2-Chlorotoluene	48.1200	5.0	0.53	50.0000	96.2	81 - 127
4-Chlorotoluene	48.5100	5.0	0.40	50.0000	97.0	83 - 127
4-Isopropyltoluene	49.3200	5.0	0.81	50.0000	98.6	82 - 143
Benzene	49.6700	5.0	0.36	50.0000	99.3	84 - 123
Bromobenzene	48.6800	5.0	0.62	50.0000	97.4	80 - 122
Bromochloromethane	48.2600	5.0	0.30	50.0000	96.5	83 - 127
Bromodichloromethane	49.2300	5.0	0.52	50.0000	98.5	82 - 123
Bromoform	47.5400	5.0	1.4	50.0000	95.1	80 - 132
Bromomethane	71.3400	5.0	2.5	50.0000	143	67 - 176



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1236 - MSVOA_S (continued)</b>									
<b>LCS (B2B1236-BS1) - Continued</b>					Prepared: 2/28/2022 Analyzed: 2/28/2022				
Carbon disulfide	49.1200	5.0	0.94	50.0000		98.2	75 - 138		
Carbon tetrachloride	49.6400	5.0	0.73	50.0000		99.3	76 - 131		
Chlorobenzene	47.1700	5.0	0.42	50.0000		94.3	84 - 119		
Chloroethane	57.2300	5.0	1.5	50.0000		114	56 - 170		
Chloroform	49.9000	5.0	0.24	50.0000		99.8	78 - 129		
Chloromethane	51.0900	5.0	1.1	50.0000		102	63 - 141		
cis-1,2-Dichloroethene	38.5600	5.0	0.20	50.0000		77.1	83 - 125		L3
cis-1,3-Dichloropropene	44.9100	5.0	0.39	50.0000		89.8	76 - 129		
Di-isopropyl ether	48.5400	5.0	1.9	50.0000		97.1	73 - 132		
Dibromochloromethane	48.4300	5.0	0.81	50.0000		96.9	81 - 120		
Dibromomethane	47.7500	5.0	0.23	50.0000		95.5	79 - 124		
Dichlorodifluoromethane	50.6700	5.0	0.14	50.0000		101	18 - 199		
Ethyl Acetate	27.6400	50	7.0	500.000		5.53	76 - 138		MO
Ethyl Ether	554.990	50	17	500.000		111	74 - 128		
Ethyl tert-butyl ether	46.4900	5.0	0.85	50.0000		93.0	50 - 175		
Ethylbenzene	49.8300	5.0	0.43	50.0000		99.7	86 - 130		
Freon-113	60.0700	5.0	1.3	50.0000		120	66 - 132		
Hexachlorobutadiene	49.2300	5.0	0.40	50.0000		98.5	64 - 135		
Isopropylbenzene	50.2600	5.0	0.79	50.0000		101	80 - 133		
m,p-Xylene	96.9200	10	0.98	100.000		96.9	89 - 133		
Methylene chloride	48.7700	5.0	2.2	50.0000		97.5	72 - 143		
MTBE	46.4300	5.0	0.81	50.0000		92.9	73 - 136		
n-Butylbenzene	48.9900	5.0	1.2	50.0000		98.0	76 - 144		
n-Propylbenzene	49.9100	5.0	0.78	50.0000		99.8	81 - 136		
Naphthalene	45.3600	5.0	1.1	50.0000		90.7	64 - 128		
o-Xylene	49.3600	5.0	0.67	50.0000		98.7	82 - 134		
sec-Butylbenzene	48.7900	5.0	0.63	50.0000		97.6	81 - 138		
Styrene	48.3800	5.0	0.45	50.0000		96.8	79 - 152		
tert-Amyl methyl ether	49.2000	5.0	1.1	50.0000		98.4	48 - 166		
tert-Butanol	177.550	100	11	250.000		71.0	48 - 148		
tert-Butylbenzene	48.2200	5.0	0.80	50.0000		96.4	81 - 135		
Tetrachloroethene	48.2500	5.0	0.31	50.0000		96.5	75 - 127		
Toluene	48.9400	5.0	0.27	50.0000		97.9	88 - 130		
trans-1,2-Dichloroethene	65.5400	5.0	0.56	50.0000		131	79 - 127		L4
trans-1,3-Dichloropropene	47.5200	5.0	0.59	50.0000		95.0	80 - 130		
Trichloroethene	48.0400	5.0	0.32	50.0000		96.1	83 - 126		
Trichlorofluoromethane	58.3600	5.0	1.0	50.0000		117	62 - 143		
Vinyl acetate	36.0400	50	6.0	500.000		7.21	69 - 150		MO
Vinyl chloride	58.7600	5.0	0.92	50.0000		118	69 - 140		

Surrogate: 1,2-Dichloroethane-d4	53.11			50.0000		106	66 - 200		
Surrogate: 4-Bromofluorobenzene	50.30			50.0000		101	50 - 146		
Surrogate: Dibromofluoromethane	51.87			50.0000		104	77 - 159		
Surrogate: Toluene-d8	49.16			50.0000		98.3	81 - 128		

LCS Dup (B2B1236-BSD1)

Prepared: 2/28/2022 Analyzed: 2/28/2022





## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/07/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1236 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2B1236-BSD1) - Continued</b>						Prepared: 2/28/2022 Analyzed: 2/28/2022				
1,1,1,2-Tetrachloroethane	49.5800	5.0	0.52	50.0000		99.2	84 - 123	4.71	20	
1,1,1-Trichloroethane	51.5700	5.0	0.26	50.0000		103	78 - 133	2.70	20	
1,1,2,2-Tetrachloroethane	46.7000	5.0	0.21	50.0000		93.4	63 - 127	1.49	20	
1,1,2-Trichloroethane	48.8400	5.0	0.40	50.0000		97.7	80 - 125	0.164	20	
1,1-Dichloroethane	50.7400	5.0	1.4	50.0000		101	77 - 128	0.00	20	
1,1-Dichloroethene	51.3700	5.0	1.9	50.0000		103	69 - 138	0.0195	20	
1,1-Dichloropropene	49.1500	5.0	0.54	50.0000		98.3	80 - 133	2.53	20	
1,2,3-Trichloropropane	46.0900	5.0	0.40	50.0000		92.2	74 - 123	2.42	20	
1,2,3-Trichlorobenzene	48.1800	5.0	0.83	50.0000		96.4	79 - 133	1.36	20	
1,2,4-Trichlorobenzene	48.8500	5.0	0.80	50.0000		97.7	73 - 131	3.73	20	
1,2,4-Trimethylbenzene	51.6300	5.0	0.91	50.0000		103	86 - 137	2.47	20	
1,2-Dibromo-3-chloropropane	46.8800	10	1.1	50.0000		93.8	62 - 127	0.986	20	
1,2-Dibromoethane	49.6800	5.0	0.40	50.0000		99.4	83 - 126	2.09	20	
1,2-Dichlorobenzene	45.9400	5.0	0.21	50.0000		91.9	83 - 123	0.262	20	
1,2-Dichloroethane	51.2600	5.0	0.50	50.0000		103	76 - 128	0.195	20	
1,2-Dichloropropane	46.3100	5.0	0.46	50.0000		92.6	77 - 121	4.35	20	
1,3,5-Trimethylbenzene	50.3000	5.0	0.70	50.0000		101	84 - 135	1.62	20	
1,3-Dichlorobenzene	47.6800	5.0	0.36	50.0000		95.4	81 - 126	0.439	20	
1,3-Dichloropropane	47.7300	5.0	0.49	50.0000		95.5	80 - 118	1.25	20	
1,4-Dichlorobenzene	49.2700	5.0	0.27	50.0000		98.5	80 - 124	0.00	20	
2,2-Dichloropropane	51.1800	5.0	0.28	50.0000		102	72 - 135	2.76	20	
2-Chlorotoluene	49.8400	5.0	0.53	50.0000		99.7	81 - 127	3.51	20	
4-Chlorotoluene	50.6600	5.0	0.40	50.0000		101	83 - 127	4.34	20	
4-Isopropyltoluene	49.5700	5.0	0.81	50.0000		99.1	82 - 143	0.506	20	
Benzene	50.6300	5.0	0.36	50.0000		101	84 - 123	1.91	20	
Bromobenzene	47.6400	5.0	0.62	50.0000		95.3	80 - 122	2.16	20	
Bromochloromethane	45.8400	5.0	0.30	50.0000		91.7	83 - 127	5.14	20	
Bromodichloromethane	51.3200	5.0	0.52	50.0000		103	82 - 123	4.16	20	
Bromoform	48.0900	5.0	1.4	50.0000		96.2	80 - 132	1.15	20	
Bromomethane	75.4400	5.0	2.5	50.0000		151	67 - 176	5.59	20	
Carbon disulfide	50.0100	5.0	0.94	50.0000		100	75 - 138	1.80	20	
Carbon tetrachloride	52.3700	5.0	0.73	50.0000		105	76 - 131	5.35	20	
Chlorobenzene	48.4500	5.0	0.42	50.0000		96.9	84 - 119	2.68	20	
Chloroethane	58.7300	5.0	1.5	50.0000		117	56 - 170	2.59	20	
Chloroform	48.3500	5.0	0.24	50.0000		96.7	78 - 129	3.16	20	
Chloromethane	53.8800	5.0	1.1	50.0000		108	63 - 141	5.32	20	
cis-1,2-Dichloroethene	37.1800	5.0	0.20	50.0000		74.4	83 - 125	3.64	20	L3
cis-1,3-Dichloropropene	43.6500	5.0	0.39	50.0000		87.3	76 - 129	2.85	20	
Di-isopropyl ether	47.3300	5.0	1.9	50.0000		94.7	73 - 132	2.52	20	
Dibromochloromethane	45.7000	5.0	0.81	50.0000		91.4	81 - 120	5.80	20	
Dibromomethane	48.9700	5.0	0.23	50.0000		97.9	79 - 124	2.52	20	
Dichlorodifluoromethane	50.5900	5.0	0.14	50.0000		101	18 - 199	0.158	20	
Ethyl Acetate	12.3500	50	7.0	500.000		2.47	76 - 138	76.5	20	MO
Ethyl Ether	559.720	50	17	500.000		112	74 - 128	0.849	20	
Ethyl tert-butyl ether	48.5100	5.0	0.85	50.0000		97.0	50 - 175	4.25	20	



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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 Reported : 03/07/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1236 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2B1236-BSD1) - Continued</b>					Prepared: 2/28/2022 Analyzed: 2/28/2022				
Ethylbenzene	49.8800	5.0	0.43	50.0000		99.8	86 - 130	0.100	20
Freon-113	60.1700	5.0	1.3	50.0000		120	66 - 132	0.166	20
Hexachlorobutadiene	53.2800	5.0	0.40	50.0000		107	64 - 135	7.90	20
Isopropylbenzene	49.8300	5.0	0.79	50.0000		99.7	80 - 133	0.859	20
m,p-Xylene	98.0100	10	0.98	100.000		98.0	89 - 133	1.12	20
Methylene chloride	48.0100	5.0	2.2	50.0000		96.0	72 - 143	1.57	20
MTBE	46.5000	5.0	0.81	50.0000		93.0	73 - 136	0.151	20
n-Butylbenzene	50.1200	5.0	1.2	50.0000		100	76 - 144	2.28	20
n-Propylbenzene	49.6600	5.0	0.78	50.0000		99.3	81 - 136	0.502	20
Naphthalene	45.9700	5.0	1.1	50.0000		91.9	64 - 128	1.34	20
o-Xylene	49.3400	5.0	0.67	50.0000		98.7	82 - 134	0.0405	20
sec-Butylbenzene	50.0300	5.0	0.63	50.0000		100	81 - 138	2.51	20
Styrene	48.7000	5.0	0.45	50.0000		97.4	79 - 152	0.659	20
tert-Amyl methyl ether	47.7000	5.0	1.1	50.0000		95.4	48 - 166	3.10	20
tert-Butanol	172.210	100	11	250.000		68.9	48 - 148	3.05	20
tert-Butylbenzene	50.1400	5.0	0.80	50.0000		100	81 - 135	3.90	20
Tetrachloroethene	49.1600	5.0	0.31	50.0000		98.3	75 - 127	1.87	20
Toluene	51.5800	5.0	0.27	50.0000		103	88 - 130	5.25	20
trans-1,2-Dichloroethene	67.6000	5.0	0.56	50.0000		135	79 - 127	3.09	20 L5
trans-1,3-Dichloropropene	48.4200	5.0	0.59	50.0000		96.8	80 - 130	1.88	20
Trichloroethene	50.6300	5.0	0.32	50.0000		101	83 - 126	5.25	20
Trichlorofluoromethane	56.8900	5.0	1.0	50.0000		114	62 - 143	2.55	20
Vinyl acetate	20.4700	50	6.0	500.000		4.09	69 - 150	55.1	20 MO
Vinyl chloride	58.0700	5.0	0.92	50.0000		116	69 - 140	1.18	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.55</i>			<i>50.0000</i>		<i>105</i>	<i>66 - 200</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.30</i>			<i>50.0000</i>		<i>96.6</i>	<i>50 - 146</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>51.47</i>			<i>50.0000</i>		<i>103</i>	<i>77 - 159</i>		
<i>Surrogate: Toluene-d8</i>	<i>50.28</i>			<i>50.0000</i>		<i>101</i>	<i>81 - 128</i>		



# Certificate of Analysis

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Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/07/2022

## Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2B1235 - MSSEMI\_NAL

#### Blank (B2B1235-BLK1)

Prepared: 2/28/2022 Analyzed: 3/2/2022

1,2,4-Trichlorobenzene	ND	160	25							
1,2-Dichlorobenzene	ND	160	13							
1,3-Dichlorobenzene	ND	160	14							
1,4-Dichlorobenzene	ND	160	13							
2,4,5-Trichlorophenol	ND	160	15							
2,4,6-Trichlorophenol	ND	160	17							
2,4-Dichlorophenol	ND	820	17							
2,4-Dimethylphenol	ND	160	13							
2,4-Dinitrophenol	ND	820	43							
2,4-Dinitrotoluene	ND	160	17							
2,6-Dinitrotoluene	ND	160	24							
2-Chloronaphthalene	ND	160	14							
2-Chlorophenol	ND	160	15							
2-Methylnaphthalene	ND	160	14							
2-Methylphenol	ND	160	18							
2-Nitroaniline	ND	820	21							
2-Nitrophenol	ND	160	22							
3,3'-Dichlorobenzidine	ND	330	140							
3-Nitroaniline	ND	820	24							
4,6-Dinitro-2-methylphenol	ND	820	21							
4-Bromophenyl-phenylether	ND	160	32							
4-Chloro-3-methylphenol	ND	330	36							
4-Chloroaniline	ND	330	26							
4-Chlorophenyl-phenylether	ND	160	17							
4-Methylphenol	ND	160	28							
4-Nitroaniline	ND	820	19							
4-Nitrophenol	ND	160	32							
Acenaphthene	ND	160	21							
Acenaphthylene	ND	160	31							
Anthracene	ND	160	26							
Benzdine (M)	ND	820	710							
Benzo(a)anthracene	ND	160	22							
Benzo(a)pyrene	ND	160	32							
Benzo(b)fluoranthene	ND	160	32							
Benzo(g,h,i)perylene	ND	160	40							
Benzo(k)fluoranthene	ND	160	16							
Benzoic acid	ND	820	450							
Benzyl alcohol	ND	330	16							
bis(2-chloroethoxy)methane	ND	160	32							
bis(2-Chloroethyl)ether	ND	160	33							
bis(2-chloroisopropyl)ether	ND	160	38							
bis(2-ethylhexyl)phthalate	ND	160	31							
Butylbenzylphthalate	ND	160	21							
Chrysene	ND	160	42							
Di-n-butylphthalate	ND	160	25							



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Reported : 03/07/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1235 - MSSEMI\_NAL (continued)**

**Blank (B2B1235-BLK1) - Continued**

Prepared: 2/28/2022 Analyzed: 3/2/2022

Di-n-octylphthalate	ND	160	31						
Dibenz(a,h)anthracene	ND	160	22						
Dibenzofuran	ND	160	29						
Diethyl phthalate	ND	160	29						
Dimethyl phthalate	ND	160	20						
Fluoranthene	ND	160	30						
Fluorene	ND	160	53						
Hexachlorobenzene	ND	160	27						
Hexachlorobutadiene	ND	330	26						
Hexachlorocyclopentadiene	ND	330	35						
Hexachloroethane	ND	160	47						
Indeno(1,2,3-cd)pyrene	ND	160	38						
Isophorone	ND	160	42						
N-Nitroso-di-n propylamine	ND	160	30						
N-Nitrosodiphenylamine	ND	160	16						
Naphthalene	ND	160	28						
Nitrobenzene	ND	160	28						
Pentachlorophenol	ND	820	25						
Phenanthrene	ND	160	33						
Phenol	ND	160	17						
Pyrene	ND	160	36						
Pyridine	ND	820	130						

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	2112			3333.33	63.4	23 - 102			
<i>Surrogate: 2,4,6-Tribromophenol</i>	3219			5000.00	64.4	3 - 138			
<i>Surrogate: 2-Chlorophenol-d4</i>	3459			5000.00	69.2	18 - 105			
<i>Surrogate: 2-Fluorobiphenyl</i>	2442			3333.33	73.3	34 - 106			
<i>Surrogate: 2-Fluorophenol</i>	3046			5000.00	60.9	16 - 94			
<i>Surrogate: 4-Terphenyl-d14</i>	3287			3333.33	98.6	31 - 130			
<i>Surrogate: Nitrobenzene-d5</i>	1966			3333.33	59.0	23 - 102			
<i>Surrogate: Phenol-d6</i>	3000			5000.00	60.0	14 - 104			

**LCS (B2B1235-BS1)**

Prepared: 2/28/2022 Analyzed: 3/2/2022

1,2,4-Trichlorobenzene	2295.67	160	25	3333.33	68.9	41 - 104			
1,2-Dichlorobenzene	2053.33	160	13	3333.33	61.6	37 - 100			
1,3-Dichlorobenzene	2042.33	160	14	3333.33	61.3	36 - 98			
1,4-Dichlorobenzene	2036.33	160	13	3333.33	61.1	37 - 97			
2,4,5-Trichlorophenol	3122.00	160	15	3333.33	93.7	47 - 115			
2,4,6-Trichlorophenol	3187.33	160	17	3333.33	95.6	48 - 119			
2,4-Dichlorophenol	2571.67	820	17	3333.33	77.2	46 - 118			
2,4-Dimethylphenol	2646.33	160	13	3333.33	79.4	41 - 114			
2,4-Dinitrophenol	2242.00	820	43	3333.33	67.3	0 - 180			
2,4-Dinitrotoluene	3013.67	160	17	3333.33	90.4	40 - 138			
2,6-Dinitrotoluene	2950.33	160	24	3333.33	88.5	45 - 131			
2-Chloronaphthalene	2408.00	160	14	3333.33	72.2	46 - 112			
2-Chlorophenol	2245.67	160	15	3333.33	67.4	41 - 99			



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Josh Voss

Irvine , CA 92612

Reported : 03/07/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B2B1235 - MSSEMI\_NAL (continued)

##### LCS (B2B1235-BS1) - Continued

Prepared: 2/28/2022 Analyzed: 3/2/2022

2-Methylnaphthalene	2464.00	160	14	3333.33	73.9	45 - 111			
2-Methylphenol	2455.67	160	18	3333.33	73.7	40 - 92			
2-Nitroaniline	2472.33	820	21	3333.33	74.2	44 - 130			
2-Nitrophenol	2369.33	160	22	3333.33	71.1	34 - 114			
3,3'-Dichlorobenzidine	2410.67	330	140	3333.33	72.3	41 - 128			
3-Nitroaniline	3008.33	820	24	3333.33	90.2	47 - 123			
4,6-Dinitro-2-methylphenol	3162.67	820	21	3333.33	94.9	2 - 172			
4-Bromophenyl-phenylether	3076.33	160	32	3333.33	92.3	49 - 116			
4-Chloro-3-methylphenol	2826.33	330	36	3333.33	84.8	45 - 127			
4-Chloroaniline	2765.00	330	26	3333.33	83.0	50 - 106			
4-Chlorophenyl-phenylether	2897.33	160	17	3333.33	86.9	49 - 115			
4-Methylphenol	1293.67	160	28	1666.67	77.6	43 - 109			
4-Nitroaniline	3111.67	820	19	3333.33	93.4	44 - 125			
4-Nitrophenol	2566.33	160	32	3333.33	77.0	30 - 146			
Acenaphthene	2672.00	160	21	3333.33	80.2	44 - 110			
Acenaphthylene	2601.00	160	31	3333.33	78.0	42 - 111			
Anthracene	3062.00	160	26	3333.33	91.9	41 - 117			
Benzidine (M)	740.667	820	710	3333.33	22.2	0 - 189			
Benzo(a)anthracene	3412.67	160	22	3333.33	102	45 - 110			
Benzo(a)pyrene	3423.33	160	32	3333.33	103	45 - 116			
Benzo(b)fluoranthene	3404.00	160	32	3333.33	102	43 - 112			
Benzo(g,h,i)perylene	3024.33	160	40	3333.33	90.7	43 - 113			
Benzo(k)fluoranthene	3310.00	160	16	3333.33	99.3	42 - 114			
Benzoic acid	1719.67	820	450	3333.33	51.6	0 - 134			
Benzyl alcohol	2537.00	330	16	3333.33	76.1	39 - 117			
bis(2-chloroethoxy)methane	2173.67	160	32	3333.33	65.2	43 - 102			
bis(2-Chloroethyl)ether	2090.00	160	33	3333.33	62.7	38 - 99			
bis(2-chloroisopropyl)ether	1888.00	160	38	3333.33	56.6	30 - 104			
bis(2-ethylhexyl)phthalate	2810.00	160	31	3333.33	84.3	49 - 123			
Butylbenzylphthalate	2842.67	160	21	3333.33	85.3	49 - 122			
Chrysene	3480.67	160	42	3333.33	104	46 - 111			
Di-n-butylphthalate	3222.67	160	25	3333.33	96.7	48 - 118			
Di-n-octylphthalate	3234.00	160	31	3333.33	97.0	46 - 131			
Dibenz(a,h)anthracene	3175.67	160	22	3333.33	95.3	43 - 113			
Dibenzofuran	2673.67	160	29	3333.33	80.2	50 - 113			
Diethyl phthalate	2841.33	160	29	3333.33	85.2	50 - 115			
Dimethyl phthalate	2878.33	160	20	3333.33	86.4	48 - 112			
Fluoranthene	3436.33	160	30	3333.33	103	40 - 119			
Fluorene	2705.67	160	53	3333.33	81.2	41 - 117			
Hexachlorobenzene	2520.33	160	27	3333.33	75.6	46 - 123			
Hexachlorobutadiene	2381.67	330	26	3333.33	71.5	37 - 104			
Hexachlorocyclopentadiene	2371.33	330	35	3333.33	71.1	30 - 128			
Hexachloroethane	1975.33	160	47	3333.33	59.3	38 - 103			
Indeno(1,2,3-cd)pyrene	3155.67	160	38	3333.33	94.7	43 - 113			
Isophorone	2593.00	160	42	3333.33	77.8	43 - 109			



# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

## Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2B1235 - MSSEMI\_NAL (continued)

#### LCS (B2B1235-BS1) - Continued

Prepared: 2/28/2022 Analyzed: 3/2/2022

N-Nitroso-di-n propylamine	2244.00	160	30	3333.33		67.3	44 - 111		
N-Nitrosodiphenylamine	3110.00	160	16	3333.33		93.3	48 - 113		
Naphthalene	2327.00	160	28	3333.33		69.8	38 - 103		
Nitrobenzene	2074.00	160	28	3333.33		62.2	40 - 111		
Pentachlorophenol	2960.33	820	25	3333.33		88.8	33 - 130		
Phenanthrene	3113.00	160	33	3333.33		93.4	42 - 119		
Phenol	2240.33	160	17	3333.33		67.2	43 - 104		
Pyrene	3448.67	160	36	3333.33		103	38 - 120		
Pyridine	790.333	820	130	3333.33		23.7	0 - 72		

Surrogate: 1,2-Dichlorobenzene-d4	2021			3333.33		60.6	23 - 102		
Surrogate: 2,4,6-Tribromophenol	3774			5000.00		75.5	3 - 138		
Surrogate: 2-Chlorophenol-d4	3319			5000.00		66.4	18 - 105		
Surrogate: 2-Fluorobiphenyl	2466			3333.33		74.0	34 - 106		
Surrogate: 2-Fluorophenol	2974			5000.00		59.5	16 - 94		
Surrogate: 4-Terphenyl-d14	3287			3333.33		98.6	31 - 130		
Surrogate: Nitrobenzene-d5	2051			3333.33		61.5	23 - 102		
Surrogate: Phenol-d6	3358			5000.00		67.2	14 - 104		

#### Matrix Spike (B2B1235-MS1)

Source: 2200246-04

Prepared: 2/28/2022 Analyzed: 3/2/2022

1,2,4-Trichlorobenzene	2140.67	160	25	3333.33	ND	64.2	35 - 113		
1,2-Dichlorobenzene	1893.67	160	13	3333.33	ND	56.8	32 - 102		
1,3-Dichlorobenzene	1885.33	160	14	3333.33	ND	56.6	32 - 100		
1,4-Dichlorobenzene	1913.33	160	13	3333.33	ND	57.4	33 - 97		
2,4,5-Trichlorophenol	2456.67	160	15	3333.33	ND	73.7	36 - 124		
2,4,6-Trichlorophenol	2494.33	160	17	3333.33	ND	74.8	37 - 130		
2,4-Dichlorophenol	2150.67	820	17	3333.33	ND	64.5	32 - 130		
2,4-Dimethylphenol	1819.00	160	13	3333.33	ND	54.6	30 - 128		
2,4-Dinitrophenol	854.000	820	43	3333.33	ND	25.6	0 - 203		
2,4-Dinitrotoluene	2549.33	160	17	3333.33	ND	76.5	21 - 168		
2,6-Dinitrotoluene	2640.00	160	24	3333.33	ND	79.2	31 - 152		
2-Chloronaphthalene	2331.33	160	14	3333.33	ND	69.9	33 - 130		
2-Chlorophenol	2031.00	160	15	3333.33	ND	60.9	32 - 106		
2-Methylnaphthalene	2345.67	160	14	3333.33	ND	70.4	33 - 125		
2-Methylphenol	2169.67	160	18	3333.33	ND	65.1	34 - 96		
2-Nitroaniline	2191.00	820	21	3333.33	ND	65.7	30 - 146		
2-Nitrophenol	1830.33	160	22	3333.33	ND	54.9	22 - 125		
3,3'-Dichlorobenzidine	408.333	330	140	3333.33	ND	12.2	19 - 144		M2
3-Nitroaniline	1775.00	820	24	3333.33	ND	53.3	36 - 133		
4,6-Dinitro-2-methylphenol	1353.00	820	21	3333.33	ND	40.6	0 - 196		
4-Bromophenyl-phenylether	3120.33	160	32	3333.33	ND	93.6	41 - 121		
4-Chloro-3-methylphenol	2428.33	330	36	3333.33	ND	72.8	39 - 134		
4-Chloroaniline	204.000	330	26	3333.33	ND	6.12	37 - 115		M2
4-Chlorophenyl-phenylether	2648.67	160	17	3333.33	ND	79.5	34 - 133		
4-Methylphenol	1138.00	160	28	1666.67	ND	68.3	34 - 121		
4-Nitroaniline	1890.00	820	19	3333.33	ND	56.7	30 - 138		



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Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/07/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1235 - MSSEMI\_NAL (continued)**

**Matrix Spike (B2B1235-MS1) - Continued**

**Source: 2200246-04**

Prepared: 2/28/2022 Analyzed: 3/2/2022

4-Nitrophenol	1137.67	160	32	3333.33	ND	34.1	5 - 154			
Acenaphthene	2407.00	160	21	3333.33	ND	72.2	33 - 121			
Acenaphthylene	2400.67	160	31	3333.33	ND	72.0	35 - 120			
Anthracene	3086.33	160	26	3333.33	ND	92.6	28 - 133			
Benzidine (M)	ND	820	710	3333.33	ND	NR	8 - 175			M2
Benzo(a)anthracene	3020.67	160	22	3333.33	ND	90.6	32 - 127			
Benzo(a)pyrene	2774.67	160	32	3333.33	ND	83.2	35 - 127			
Benzo(b)fluoranthene	2901.33	160	32	3333.33	ND	87.0	29 - 126			
Benzo(g,h,i)perylene	2549.67	160	40	3333.33	ND	76.5	26 - 129			
Benzo(k)fluoranthene	2626.33	160	16	3333.33	ND	78.8	36 - 120			
Benzoic acid	1429.33	820	450	3333.33	ND	42.9	0 - 208			
Benzyl alcohol	2172.33	330	16	3333.33	ND	65.2	32 - 120			
bis(2-chloroethoxy)methane	2159.00	160	32	3333.33	ND	64.8	34 - 108			
bis(2-Chloroethyl)ether	1873.00	160	33	3333.33	ND	56.2	34 - 100			
bis(2-chloroisopropyl)ether	1767.00	160	38	3333.33	ND	53.0	21 - 111			
bis(2-ethylhexyl)phthalate	2321.33	160	31	3333.33	ND	69.6	39 - 131			
Butylbenzylphthalate	2383.67	160	21	3333.33	ND	71.5	39 - 129			
Chrysene	2986.33	160	42	3333.33	ND	89.6	33 - 126			
Di-n-butylphthalate	2995.00	160	25	3333.33	ND	89.9	42 - 122			
Di-n-octylphthalate	2631.67	160	31	3333.33	ND	79.0	30 - 147			
Dibenz(a,h)anthracene	2578.33	160	22	3333.33	ND	77.4	30 - 126			
Dibenzofuran	2457.33	160	29	3333.33	ND	73.7	36 - 133			
Diethyl phthalate	2098.33	160	29	3333.33	ND	63.0	28 - 139			
Dimethyl phthalate	2209.00	160	20	3333.33	ND	66.3	32 - 129			
Fluoranthene	3393.00	160	30	3333.33	ND	102	23 - 140			
Fluorene	2411.33	160	53	3333.33	ND	72.3	32 - 130			
Hexachlorobenzene	2586.33	160	27	3333.33	ND	77.6	27 - 148			
Hexachlorobutadiene	2186.67	330	26	3333.33	ND	65.6	29 - 112			
Hexachlorocyclopentadiene	2189.67	330	35	3333.33	ND	65.7	13 - 147			
Hexachloroethane	1917.67	160	47	3333.33	ND	57.5	31 - 104			
Indeno(1,2,3-cd)pyrene	2615.67	160	38	3333.33	ND	78.5	21 - 137			
Isophorone	1994.67	160	42	3333.33	ND	59.8	34 - 112			
N-Nitroso-di-n propylamine	1858.67	160	30	3333.33	ND	55.8	36 - 115			
N-Nitrosodiphenylamine	2419.67	160	16	3333.33	ND	72.6	40 - 120			
Naphthalene	2191.33	160	28	3333.33	ND	65.7	33 - 108			
Nitrobenzene	1919.33	160	28	3333.33	ND	57.6	32 - 122			
Pentachlorophenol	1912.67	820	25	3333.33	ND	57.4	0 - 151			
Phenanthrene	2869.33	160	33	3333.33	ND	86.1	40 - 122			
Phenol	1936.67	160	17	3333.33	ND	58.1	35 - 112			
Pyrene	3317.00	160	36	3333.33	ND	99.5	28 - 132			
Pyridine	ND	820	130	3333.33	ND	NR	5 - 107			M2

Surrogate: 1,2-Dichlorobenzene-d4	2071			3333.33		62.1	23 - 102			
Surrogate: 2,4,6-Tribromophenol	3151			5000.00		63.0	3 - 138			
Surrogate: 2-Chlorophenol-d4	3193			5000.00		63.9	18 - 105			
Surrogate: 2-Fluorobiphenyl	2394			3333.33		71.8	34 - 106			



## Certificate of Analysis

GSI Environmental, Inc.  
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Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/07/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2B1235 - MSSEMI\_NAL (continued)**

**Matrix Spike (B2B1235-MS1) - Continued**

Source: 2200246-04

Prepared: 2/28/2022 Analyzed: 3/2/2022

Surrogate: 2-Fluorophenol	2641		5000.00		52.8	16 - 94			
Surrogate: 4-Terphenyl-d14	2932		3333.33		88.0	31 - 130			
Surrogate: Nitrobenzene-d5	1995		3333.33		59.8	23 - 102			
Surrogate: Phenol-d6	3007		5000.00		60.1	14 - 104			

**Matrix Spike Dup (B2B1235-MSD1)**

Source: 2200246-04

Prepared: 2/28/2022 Analyzed: 3/2/2022

1,2,4-Trichlorobenzene	2382.00	160	25	3333.33	ND	71.5	35 - 113	10.7	20	
1,2-Dichlorobenzene	1936.33	160	13	3333.33	ND	58.1	32 - 102	2.23	20	
1,3-Dichlorobenzene	2048.00	160	14	3333.33	ND	61.4	32 - 100	8.27	20	
1,4-Dichlorobenzene	2124.67	160	13	3333.33	ND	63.7	33 - 97	10.5	20	
2,4,5-Trichlorophenol	2727.00	160	15	3333.33	ND	81.8	36 - 124	10.4	20	
2,4,6-Trichlorophenol	2900.67	160	17	3333.33	ND	87.0	37 - 130	15.1	20	
2,4-Dichlorophenol	2448.00	820	17	3333.33	ND	73.4	32 - 130	12.9	20	
2,4-Dimethylphenol	2064.00	160	13	3333.33	ND	61.9	30 - 128	12.6	20	
2,4-Dinitrophenol	831.667	820	43	3333.33	ND	25.0	0 - 203	2.65	20	
2,4-Dinitrotoluene	2824.67	160	17	3333.33	ND	84.7	21 - 168	10.2	20	
2,6-Dinitrotoluene	2863.00	160	24	3333.33	ND	85.9	31 - 152	8.10	20	
2-Chloronaphthalene	2490.00	160	14	3333.33	ND	74.7	33 - 130	6.58	20	
2-Chlorophenol	2189.67	160	15	3333.33	ND	65.7	32 - 106	7.52	20	
2-Methylnaphthalene	2620.67	160	14	3333.33	ND	78.6	33 - 125	11.1	20	
2-Methylphenol	2273.33	160	18	3333.33	ND	68.2	34 - 96	4.67	20	
2-Nitroaniline	2310.67	820	21	3333.33	ND	69.3	30 - 146	5.32	20	
2-Nitrophenol	1995.33	160	22	3333.33	ND	59.9	22 - 125	8.63	20	
3,3'-Dichlorobenzidine	528.333	330	140	3333.33	ND	15.8	19 - 144	25.6	20	M2, R
3-Nitroaniline	1982.00	820	24	3333.33	ND	59.5	36 - 133	11.0	20	
4,6-Dinitro-2-methylphenol	1323.00	820	21	3333.33	ND	39.7	0 - 196	2.24	20	
4-Bromophenyl-phenylether	2960.67	160	32	3333.33	ND	88.8	41 - 121	5.25	20	
4-Chloro-3-methylphenol	2684.33	330	36	3333.33	ND	80.5	39 - 134	10.0	20	
4-Chloroaniline	197.667	330	26	3333.33	ND	5.93	37 - 115	3.15	20	M2
4-Chlorophenyl-phenylether	2962.67	160	17	3333.33	ND	88.9	34 - 133	11.2	20	
4-Methylphenol	1248.33	160	28	1666.67	ND	74.9	34 - 121	9.25	20	
4-Nitroaniline	2158.33	820	19	3333.33	ND	64.8	30 - 138	13.3	20	
4-Nitrophenol	1153.00	160	32	3333.33	ND	34.6	5 - 154	1.34	20	
Acenaphthene	2517.67	160	21	3333.33	ND	75.5	33 - 121	4.49	20	
Acenaphthylene	2655.33	160	31	3333.33	ND	79.7	35 - 120	10.1	20	
Anthracene	3057.67	160	26	3333.33	ND	91.7	28 - 133	0.933	20	
Benzydine (M)	ND	820	710	3333.33	ND	NR	8 - 175	NR	20	M2
Benzo(a)anthracene	3346.00	160	22	3333.33	ND	100	32 - 127	10.2	20	
Benzo(a)pyrene	3090.00	160	32	3333.33	ND	92.7	35 - 127	10.8	20	
Benzo(b)fluoranthene	3323.33	160	32	3333.33	ND	99.7	29 - 126	13.6	20	
Benzo(g,h,i)perylene	2887.67	160	40	3333.33	ND	86.6	26 - 129	12.4	20	
Benzo(k)fluoranthene	3195.00	160	16	3333.33	ND	95.9	36 - 120	19.5	20	
Benzoic acid	1438.00	820	450	3333.33	ND	43.1	0 - 208	0.605	20	
Benzyl alcohol	2489.67	330	16	3333.33	ND	74.7	32 - 120	13.6	20	
bis(2-chloroethoxy)methane	2429.00	160	32	3333.33	ND	72.9	34 - 108	11.8	20	





## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Josh Voss

Irvine , CA 92612

Reported : 03/07/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B2B1235 - MSSEMI\_NAL (continued)

##### Matrix Spike Dup (B2B1235-MSD1) - Continued

Source: 2200246-04

Prepared: 2/28/2022 Analyzed: 3/2/2022

bis(2-Chloroethyl)ether	2025.33	160	33	3333.33	ND	60.8	34 - 100	7.82	20	
bis(2-chloroisopropyl)ether	2002.00	160	38	3333.33	ND	60.1	21 - 111	12.5	20	
bis(2-ethylhexyl)phthalate	2531.33	160	31	3333.33	ND	75.9	39 - 131	8.66	20	
Butylbenzylphthalate	2535.67	160	21	3333.33	ND	76.1	39 - 129	6.18	20	
Chrysene	3324.33	160	42	3333.33	ND	99.7	33 - 126	10.7	20	
Di-n-butylphthalate	2974.00	160	25	3333.33	ND	89.2	42 - 122	0.704	20	
Di-n-octylphthalate	2974.33	160	31	3333.33	ND	89.2	30 - 147	12.2	20	
Dibenz(a,h)anthracene	2971.00	160	22	3333.33	ND	89.1	30 - 126	14.2	20	
Dibenzofuran	2564.33	160	29	3333.33	ND	76.9	36 - 133	4.26	20	
Diethyl phthalate	2366.67	160	29	3333.33	ND	71.0	28 - 139	12.0	20	
Dimethyl phthalate	2500.33	160	20	3333.33	ND	75.0	32 - 129	12.4	20	
Fluoranthene	3254.67	160	30	3333.33	ND	97.6	23 - 140	4.16	20	
Fluorene	2752.00	160	53	3333.33	ND	82.6	32 - 130	13.2	20	
Hexachlorobenzene	2574.00	160	27	3333.33	ND	77.2	27 - 148	0.478	20	
Hexachlorobutadiene	2535.00	330	26	3333.33	ND	76.1	29 - 112	14.8	20	
Hexachlorocyclopentadiene	2457.33	330	35	3333.33	ND	73.7	13 - 147	11.5	20	
Hexachloroethane	2059.00	160	47	3333.33	ND	61.8	31 - 104	7.11	20	
Indeno(1,2,3-cd)pyrene	3047.00	160	38	3333.33	ND	91.4	21 - 137	15.2	20	
Isophorone	2237.33	160	42	3333.33	ND	67.1	34 - 112	11.5	20	
N-Nitroso-di-n propylamine	2110.33	160	30	3333.33	ND	63.3	36 - 115	12.7	20	
N-Nitrosodiphenylamine	2472.67	160	16	3333.33	ND	74.2	40 - 120	2.17	20	
Naphthalene	2397.33	160	28	3333.33	ND	71.9	33 - 108	8.98	20	
Nitrobenzene	2163.33	160	28	3333.33	ND	64.9	32 - 122	12.0	20	
Pentachlorophenol	1858.33	820	25	3333.33	ND	55.8	0 - 151	2.88	20	
Phenanthrene	2998.00	160	33	3333.33	ND	89.9	40 - 122	4.39	20	
Phenol	2134.00	160	17	3333.33	ND	64.0	35 - 112	9.70	20	
Pyrene	3444.33	160	36	3333.33	ND	103	28 - 132	3.77	20	
Pyridine	ND	820	130	3333.33	ND	NR	5 - 107	NR	20	M2

Surrogate: 1,2-Dichlorobenzene-d4	2168			3333.33		65.0	23 - 102			
Surrogate: 2,4,6-Tribromophenol	3574			5000.00		71.5	3 - 138			
Surrogate: 2-Chlorophenol-d4	3351			5000.00		67.0	18 - 105			
Surrogate: 2-Fluorobiphenyl	2678			3333.33		80.4	34 - 106			
Surrogate: 2-Fluorophenol	2869			5000.00		57.4	16 - 94			
Surrogate: 4-Terphenyl-d14	3108			3333.33		93.2	31 - 130			
Surrogate: Nitrobenzene-d5	2129			3333.33		63.9	23 - 102			
Surrogate: Phenol-d6	3349			5000.00		67.0	14 - 104			



2200246

2.6°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		PROJECT NAME: Ontario Airport		PROJECT NO.: 5925															
TEL: (949) 679-1070		PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel															
E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		GLOBAL ID:		SAMPLER(S): (PRINT) Tiam Nouin / Josh Voss															
LABORATORY: Advanced Technology Laboratories		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.																	
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD																			
SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32																			
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCs 8081A	Herbicides 8051	HOLD	
		DATE	TIME																
1	61C-8-3-1	2/24/22	0800	Soil	1	1			X										
2	61C-8-3-5.5		0815		5	1	4		X	X	X	X							
3	61C-8-4-1		0838		1	1			X										
4	61C-8-4-5.5		0848		5	1	4		X	X	X	X							
5	61C-8-5-1		0938		1	1			X										
6	61C-8-5-5.5		0950		5	1	4		X	X	X	X							
7	61C-8-6-SV10-1		1020		1	1			X										
8	61C-8-6-SV10-5.5		1030		5	1	4		X	X	X	X							
9	SV-9-1		1205		1	1			X										
10	SV-9-5.5		1225		5	1	4			X	X	X							
11	SV-9-15		1228		5	1	4			X	X	X							
12	SV-3-1		1338		1	1			X										
13	SV-3-5.5		1348		5	1	4			X	X	X							
14	SV-3-13		1405		5	1	4			X	X	X							
15	TB-20220224		1420	water	4	1	4			X									X
Relinquished by: (Signature)		Tiam Nouin				Received by: (Signature)				Date: 2/24/22		Time: 15:20							
Relinquished by: (Signature)						Received by: (Signature)		ATL Ethan Tran		Date: 2/24/22		Time: 17:50							
Relinquished by: (Signature)						Received by: (Signature)				Date:		Time:							

March 09, 2022

Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200255  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on February 25, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 03/09/22 14:47 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/09/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
62-5-1-1	2200255-01	Soil	2/25/22 8:40	2/25/22 17:11
62-5-1-5.5	2200255-02	Soil	2/25/22 9:28	2/25/22 17:11
62-5-2-1	2200255-03	Soil	2/25/22 9:55	2/25/22 17:11
62-5-2-5.5	2200255-04	Soil	2/25/22 10:16	2/25/22 17:11
62-5-3-1	2200255-05	Soil	2/25/22 10:40	2/25/22 17:11
62-5-3-5.5	2200255-06	Soil	2/25/22 11:00	2/25/22 17:11
62-5-4-1	2200255-07	Soil	2/25/22 11:34	2/25/22 17:11
62-5-4-5.5	2200255-08	Soil	2/25/22 11:50	2/25/22 17:11
62-5-6-1	2200255-09	Soil	2/25/22 12:30	2/25/22 17:11
62-5-6-5.5	2200255-10	Soil	2/25/22 12:48	2/25/22 17:11
62-5-5-1	2200255-11	Soil	2/25/22 13:22	2/25/22 17:11
62-5-5-5.5	2200255-12	Soil	2/25/22 13:36	2/25/22 17:11
TB-20220225	2200255-13	Water	2/25/22 12:40	2/25/22 17:11



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Josh Voss

Irvine , CA 92612

Reported : 03/09/2022

### Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

### Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200255-01	62-5-1-1	ND	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22	11:27	
2200255-03	62-5-2-1	ND	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22	10:54	
2200255-05	62-5-3-1	ND	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22	11:16	
2200255-07	62-5-4-1	ND	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22	11:19	
2200255-09	62-5-6-1	ND	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22	11:22	
2200255-11	62-5-5-1	ND	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22	11:25	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-1-1**  
**Lab ID: 2200255-01**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Arsenic	ND	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
<b>Barium</b>	<b>73</b>	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
<b>Beryllium</b>	<b>2.3</b>	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Cadmium	ND	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
<b>Cobalt</b>	<b>5.1</b>	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
<b>Copper</b>	<b>9.2</b>	2.0	1	B2C0974	03/07/2022	03/08/22 14:39	
<b>Lead</b>	<b>4.4</b>	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Molybdenum	ND	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
<b>Nickel</b>	<b>5.2</b>	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Selenium	ND	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
<b>Silver</b>	<b>4.6</b>	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
Thallium	ND	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
<b>Vanadium</b>	<b>30</b>	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C0974	03/07/2022	03/08/22 14:39	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/09/2022

**Client Sample ID: 62-5-1-5.5**  
**Lab ID: 2200255-02**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C0948	03/07/2022	03/07/22 15:27	
<i>Surrogate: 4-Bromofluorobenzene</i>	88.7 %	47.6 - 121.18		B2C0948	03/07/2022	03/07/22 15:27	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 22:14	
<b>C23-C32</b>	<b>11</b>	10	1	B2C0961	03/04/2022	03/04/22 22:14	
<i>Surrogate: p-Terphenyl</i>	112 %	62 - 141		B2C0961	03/04/2022	03/04/22 22:14	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1,1-Trichloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1,2-Trichloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1-Dichloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1-Dichloroethene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,1-Dichloropropene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2,3-Trichloropropane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2-Dibromoethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2-Dichlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2-Dichloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,2-Dichloropropane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,3-Dichlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,3-Dichloropropane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
1,4-Dichlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
2,2-Dichloropropane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
2-Chlorotoluene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
4-Chlorotoluene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
4-Isopropyltoluene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Benzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Bromobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-1-5.5**  
**Lab ID: 2200255-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Bromodichloromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Bromoform	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Bromomethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Carbon disulfide	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Carbon tetrachloride	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Chlorobenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Chloroethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Chloroform	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Chloromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
cis-1,2-Dichloroethene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
cis-1,3-Dichloropropene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Di-isopropyl ether	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Dibromochloromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Dibromomethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Dichlorodifluoromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Ethyl Acetate	ND	43	1	B2C0950	03/04/2022	03/04/22 17:27	
Ethyl Ether	ND	43	1	B2C0950	03/04/2022	03/04/22 17:27	
Ethyl tert-butyl ether	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Ethylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Freon-113	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Hexachlorobutadiene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Isopropylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
m,p-Xylene	ND	8.6	1	B2C0950	03/04/2022	03/04/22 17:27	
Methylene chloride	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
MTBE	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
n-Butylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
n-Propylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Naphthalene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
o-Xylene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
sec-Butylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Styrene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
tert-Amyl methyl ether	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
tert-Butanol	ND	86	1	B2C0950	03/04/2022	03/04/22 17:27	
tert-Butylbenzene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Tetrachloroethene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Toluene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
trans-1,2-Dichloroethene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
trans-1,3-Dichloropropene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Trichloroethene	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
Trichlorofluoromethane	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-1-5.5**

**Lab ID: 2200255-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	43	1	B2C0950	03/04/2022	03/04/22 17:27	
Vinyl chloride	ND	4.3	1	B2C0950	03/04/2022	03/04/22 17:27	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>141 %</i>	<i>66 - 200</i>		B2C0950	03/04/2022	<i>03/04/22 17:27</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.5 %</i>	<i>50 - 146</i>		B2C0950	03/04/2022	<i>03/04/22 17:27</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>116 %</i>	<i>77 - 159</i>		B2C0950	03/04/2022	<i>03/04/22 17:27</i>	
<i>Surrogate: Toluene-d8</i>	<i>95.8 %</i>	<i>81 - 128</i>		B2C0950	03/04/2022	<i>03/04/22 17:27</i>	

**Client Sample ID: 62-5-2-1**

**Lab ID: 2200255-03**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
<b>Barium</b>	<b>69</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
<b>Beryllium</b>	<b>2.6</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
<b>Cobalt</b>	<b>4.8</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
<b>Copper</b>	<b>10</b>	2.0	1	B2C0881	03/01/2022	03/02/22 15:27	
<b>Lead</b>	<b>4.6</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
<b>Nickel</b>	<b>6.7</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
<b>Selenium</b>	<b>1.3</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
<b>Silver</b>	<b>5.3</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
<b>Vanadium</b>	<b>31</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	
<b>Zinc</b>	<b>37</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:27	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/09/2022

**Client Sample ID: 62-5-2-5.5**  
**Lab ID: 2200255-04**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.90	1	B2C0890	03/02/2022	03/02/22 06:49	
<i>Surrogate: 4-Bromofluorobenzene</i>	83.4 %	47.6 - 121.18		B2C0890	03/02/2022	03/02/22 06:49	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1245	02/28/2022	03/01/22 12:09	
<b>C23-C32</b>	<b>10</b>	10	1	B2B1245	02/28/2022	03/01/22 12:09	
<i>Surrogate: p-Terphenyl</i>	94.6 %	62 - 141		B2B1245	02/28/2022	03/01/22 12:09	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1,1-Trichloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1,2-Trichloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1-Dichloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1-Dichloroethene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,1-Dichloropropene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2,3-Trichloropropane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2-Dibromoethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2-Dichlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2-Dichloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,2-Dichloropropane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,3-Dichlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,3-Dichloropropane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
1,4-Dichlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
2,2-Dichloropropane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
2-Chlorotoluene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
4-Chlorotoluene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
4-Isopropyltoluene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Benzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Bromobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-2-5.5**  
**Lab ID: 2200255-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Bromodichloromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Bromoform	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Bromomethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Carbon disulfide	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Carbon tetrachloride	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Chlorobenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Chloroethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Chloroform	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Chloromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
cis-1,2-Dichloroethene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
cis-1,3-Dichloropropene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Di-isopropyl ether	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Dibromochloromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Dibromomethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Dichlorodifluoromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Ethyl Acetate	ND	45	1	B2C0950	03/04/2022	03/04/22 17:53	
Ethyl Ether	ND	45	1	B2C0950	03/04/2022	03/04/22 17:53	
Ethyl tert-butyl ether	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Ethylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Freon-113	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Hexachlorobutadiene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Isopropylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
m,p-Xylene	ND	9.1	1	B2C0950	03/04/2022	03/04/22 17:53	
Methylene chloride	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
MTBE	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
n-Butylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
n-Propylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Naphthalene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
o-Xylene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
sec-Butylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Styrene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
tert-Amyl methyl ether	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
tert-Butanol	ND	91	1	B2C0950	03/04/2022	03/04/22 17:53	
tert-Butylbenzene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Tetrachloroethene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Toluene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
trans-1,2-Dichloroethene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
trans-1,3-Dichloropropene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Trichloroethene	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
Trichlorofluoromethane	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-2-5.5**  
**Lab ID: 2200255-04**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	45	1	B2C0950	03/04/2022	03/04/22 17:53	
Vinyl chloride	ND	4.5	1	B2C0950	03/04/2022	03/04/22 17:53	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>119 %</i>	<i>66 - 200</i>		B2C0950	03/04/2022	<i>03/04/22 17:53</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.7 %</i>	<i>50 - 146</i>		B2C0950	03/04/2022	<i>03/04/22 17:53</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>	<i>77 - 159</i>		B2C0950	03/04/2022	<i>03/04/22 17:53</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.0 %</i>	<i>81 - 128</i>		B2C0950	03/04/2022	<i>03/04/22 17:53</i>	

**Client Sample ID: 62-5-3-1**  
**Lab ID: 2200255-05**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
<b>Barium</b>	<b>69</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
<b>Beryllium</b>	<b>2.2</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
<b>Cobalt</b>	<b>4.2</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
<b>Copper</b>	<b>10</b>	2.0	1	B2C0881	03/01/2022	03/02/22 15:34	
<b>Lead</b>	<b>4.1</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
<b>Nickel</b>	<b>6.5</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
<b>Selenium</b>	<b>1.7</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
<b>Silver</b>	<b>4.2</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
<b>Vanadium</b>	<b>28</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	
<b>Zinc</b>	<b>32</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:34	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/09/2022

**Client Sample ID: 62-5-3-5.5**

**Lab ID: 2200255-06**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.98	1	B2C0890	03/02/2022	03/02/22 07:13	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>77.6 %</i>	<i>47.6 - 121.18</i>		B2C0890	03/02/2022	03/02/22 07:13	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1245	02/28/2022	03/01/22 12:28	
C23-C32	ND	10	1	B2B1245	02/28/2022	03/01/22 12:28	
<i>Surrogate: p-Terphenyl</i>	<i>97.2 %</i>	<i>62 - 141</i>		B2B1245	02/28/2022	03/01/22 12:28	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1,1-Trichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1,2-Trichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1-Dichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,1-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2,3-Trichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2-Dibromoethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2-Dichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,2-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,3-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,3-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
1,4-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
2,2-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
2-Chlorotoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
4-Chlorotoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
4-Isopropyltoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Benzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Bromobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-3-5.5**  
**Lab ID: 2200255-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Bromodichloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Bromoform	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Bromomethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Carbon disulfide	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Carbon tetrachloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Chlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Chloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Chloroform	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Chloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
cis-1,2-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
cis-1,3-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Di-isopropyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Dibromochloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Dibromomethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Dichlorodifluoromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Ethyl Acetate	ND	47	1	B2C0950	03/04/2022	03/04/22 18:19	
Ethyl Ether	ND	47	1	B2C0950	03/04/2022	03/04/22 18:19	
Ethyl tert-butyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Ethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Freon-113	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Hexachlorobutadiene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Isopropylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
m,p-Xylene	ND	9.4	1	B2C0950	03/04/2022	03/04/22 18:19	
Methylene chloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
MTBE	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
n-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
n-Propylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Naphthalene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
o-Xylene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
sec-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Styrene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
tert-Amyl methyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
tert-Butanol	ND	94	1	B2C0950	03/04/2022	03/04/22 18:19	
tert-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Tetrachloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Toluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
trans-1,2-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
trans-1,3-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Trichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
Trichlorofluoromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-3-5.5**

**Lab ID: 2200255-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	47	1	B2C0950	03/04/2022	03/04/22 18:19	
Vinyl chloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:19	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>140 %</i>	<i>66 - 200</i>		B2C0950	03/04/2022	<i>03/04/22 18:19</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.6 %</i>	<i>50 - 146</i>		B2C0950	03/04/2022	<i>03/04/22 18:19</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>123 %</i>	<i>77 - 159</i>		B2C0950	03/04/2022	<i>03/04/22 18:19</i>	
<i>Surrogate: Toluene-d8</i>	<i>94.6 %</i>	<i>81 - 128</i>		B2C0950	03/04/2022	<i>03/04/22 18:19</i>	

**Client Sample ID: 62-5-4-1**

**Lab ID: 2200255-07**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
<b>Barium</b>	<b>55</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
<b>Beryllium</b>	<b>1.9</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
<b>Chromium</b>	<b>11</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
<b>Cobalt</b>	<b>3.6</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
<b>Copper</b>	<b>11</b>	2.0	1	B2C0881	03/01/2022	03/02/22 15:36	
<b>Lead</b>	<b>3.5</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
<b>Nickel</b>	<b>5.5</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
<b>Selenium</b>	<b>1.0</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
<b>Silver</b>	<b>3.7</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
<b>Vanadium</b>	<b>24</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	
<b>Zinc</b>	<b>27</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:36	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/09/2022

**Client Sample ID: 62-5-4-5.5**  
**Lab ID: 2200255-08**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C0890	03/02/2022	03/02/22 07:38	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>77.7 %</i>	<i>47.6 - 121.18</i>		B2C0890	03/02/2022	03/02/22 07:38	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1245	02/28/2022	03/01/22 12:47	
<b>C23-C32</b>	<b>11</b>	10	1	B2B1245	02/28/2022	03/01/22 12:47	
<i>Surrogate: p-Terphenyl</i>	<i>100 %</i>	<i>62 - 141</i>		B2B1245	02/28/2022	03/01/22 12:47	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1,1-Trichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1,2-Trichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1-Dichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,1-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2,3-Trichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2-Dibromoethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2-Dichloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,2-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,3-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,3-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
1,4-Dichlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
2,2-Dichloropropane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
2-Chlorotoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
4-Chlorotoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
4-Isopropyltoluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Benzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Bromobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-4-5.5**  
**Lab ID: 2200255-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Bromodichloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Bromoform	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Bromomethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Carbon disulfide	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Carbon tetrachloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Chlorobenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Chloroethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Chloroform	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Chloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
cis-1,2-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
cis-1,3-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Di-isopropyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Dibromochloromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Dibromomethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Dichlorodifluoromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Ethyl Acetate	ND	47	1	B2C0950	03/04/2022	03/04/22 18:45	
Ethyl Ether	ND	47	1	B2C0950	03/04/2022	03/04/22 18:45	
Ethyl tert-butyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Ethylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Freon-113	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Hexachlorobutadiene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Isopropylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
m,p-Xylene	ND	9.4	1	B2C0950	03/04/2022	03/04/22 18:45	
Methylene chloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
MTBE	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
n-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
n-Propylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Naphthalene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
o-Xylene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
sec-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Styrene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
tert-Amyl methyl ether	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
tert-Butanol	ND	94	1	B2C0950	03/04/2022	03/04/22 18:45	
tert-Butylbenzene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Tetrachloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Toluene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
trans-1,2-Dichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
trans-1,3-Dichloropropene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Trichloroethene	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
Trichlorofluoromethane	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-4-5.5**  
**Lab ID: 2200255-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	47	1	B2C0950	03/04/2022	03/04/22 18:45	
Vinyl chloride	ND	4.7	1	B2C0950	03/04/2022	03/04/22 18:45	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>144 %</i>	<i>66 - 200</i>		B2C0950	03/04/2022	<i>03/04/22 18:45</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.9 %</i>	<i>50 - 146</i>		B2C0950	03/04/2022	<i>03/04/22 18:45</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>119 %</i>	<i>77 - 159</i>		B2C0950	03/04/2022	<i>03/04/22 18:45</i>	
<i>Surrogate: Toluene-d8</i>	<i>91.8 %</i>	<i>81 - 128</i>		B2C0950	03/04/2022	<i>03/04/22 18:45</i>	

**Client Sample ID: 62-5-6-1**  
**Lab ID: 2200255-09**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
<b>Barium</b>	<b>78</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
<b>Beryllium</b>	<b>2.3</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
<b>Cobalt</b>	<b>4.5</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
<b>Copper</b>	<b>11</b>	2.0	1	B2C0881	03/01/2022	03/02/22 15:38	
<b>Lead</b>	<b>4.1</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
<b>Nickel</b>	<b>6.6</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
<b>Selenium</b>	<b>2.1</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
<b>Silver</b>	<b>4.5</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
<b>Vanadium</b>	<b>29</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:38	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/09/2022

**Client Sample ID: 62-5-6-5.5**  
**Lab ID: 2200255-10**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C0890	03/02/2022	03/02/22 08:03	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>77.6 %</i>	<i>47.6 - 121.18</i>		B2C0890	03/02/2022	<i>03/02/22 08:03</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1245	02/28/2022	03/01/22 13:06	
<b>C23-C32</b>	<b>10</b>	10	1	B2B1245	02/28/2022	03/01/22 13:06	
<i>Surrogate: p-Terphenyl</i>	<i>95.4 %</i>	<i>62 - 141</i>		B2B1245	02/28/2022	<i>03/01/22 13:06</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1,1-Trichloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1,2-Trichloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1-Dichloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1-Dichloroethene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,1-Dichloropropene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2,3-Trichloropropane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2-Dibromo-3-chloropropane	ND	9.3	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2-Dibromoethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2-Dichlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2-Dichloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,2-Dichloropropane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,3-Dichlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,3-Dichloropropane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
1,4-Dichlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
2,2-Dichloropropane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
2-Chlorotoluene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
4-Chlorotoluene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
4-Isopropyltoluene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Benzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Bromobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-6-5.5**  
**Lab ID: 2200255-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Bromodichloromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Bromoform	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Bromomethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Carbon disulfide	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Carbon tetrachloride	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Chlorobenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Chloroethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Chloroform	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Chloromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
cis-1,2-Dichloroethene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
cis-1,3-Dichloropropene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Di-isopropyl ether	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Dibromochloromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Dibromomethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Dichlorodifluoromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Ethyl Acetate	ND	46	1	B2C0950	03/04/2022	03/04/22 19:10	
Ethyl Ether	ND	46	1	B2C0950	03/04/2022	03/04/22 19:10	
Ethyl tert-butyl ether	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Ethylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Freon-113	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Hexachlorobutadiene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Isopropylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
m,p-Xylene	ND	9.3	1	B2C0950	03/04/2022	03/04/22 19:10	
Methylene chloride	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
MTBE	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
n-Butylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
n-Propylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Naphthalene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
o-Xylene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
sec-Butylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Styrene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
tert-Amyl methyl ether	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
tert-Butanol	ND	93	1	B2C0950	03/04/2022	03/04/22 19:10	
tert-Butylbenzene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Tetrachloroethene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Toluene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
trans-1,2-Dichloroethene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
trans-1,3-Dichloropropene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Trichloroethene	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
Trichlorofluoromethane	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-6-5.5**  
**Lab ID: 2200255-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	46	1	B2C0950	03/04/2022	03/04/22 19:10	
Vinyl chloride	ND	4.6	1	B2C0950	03/04/2022	03/04/22 19:10	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>139 %</i>	<i>66 - 200</i>		B2C0950	03/04/2022	<i>03/04/22 19:10</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.9 %</i>	<i>50 - 146</i>		B2C0950	03/04/2022	<i>03/04/22 19:10</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>115 %</i>	<i>77 - 159</i>		B2C0950	03/04/2022	<i>03/04/22 19:10</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.4 %</i>	<i>81 - 128</i>		B2C0950	03/04/2022	<i>03/04/22 19:10</i>	

**Client Sample ID: 62-5-5-1**  
**Lab ID: 2200255-11**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Arsenic	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
<b>Barium</b>	<b>61</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
<b>Beryllium</b>	<b>2.0</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Cadmium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
<b>Chromium</b>	<b>11</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
<b>Cobalt</b>	<b>3.8</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
<b>Copper</b>	<b>8.8</b>	2.0	1	B2C0881	03/01/2022	03/02/22 15:40	
<b>Lead</b>	<b>3.4</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Molybdenum	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
<b>Nickel</b>	<b>5.7</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
<b>Selenium</b>	<b>1.2</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
<b>Silver</b>	<b>3.9</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
Thallium	ND	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
<b>Vanadium</b>	<b>25</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	
<b>Zinc</b>	<b>27</b>	1.0	1	B2C0881	03/01/2022	03/02/22 15:40	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/09/2022

**Client Sample ID: 62-5-5-5.5**

**Lab ID: 2200255-12**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.89	1	B2C0890	03/02/2022	03/02/22 08:27	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>83.4 %</i>	<i>47.6 - 121.18</i>		B2C0890	03/02/2022	<i>03/02/22 08:27</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2B1245	02/28/2022	03/01/22 13:25	
<b>C23-C32</b>	<b>10</b>	10	1	B2B1245	02/28/2022	03/01/22 13:25	
<i>Surrogate: p-Terphenyl</i>	<i>117 %</i>	<i>62 - 141</i>		B2B1245	02/28/2022	<i>03/01/22 13:25</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1,1-Trichloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1,2-Trichloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1-Dichloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1-Dichloroethene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,1-Dichloropropene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2,3-Trichloropropane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2-Dibromoethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2-Dichlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2-Dichloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,2-Dichloropropane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,3-Dichlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,3-Dichloropropane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
1,4-Dichlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
2,2-Dichloropropane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
2-Chlorotoluene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
4-Chlorotoluene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
4-Isopropyltoluene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Benzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Bromobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-5-5.5**  
**Lab ID: 2200255-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Bromodichloromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Bromoform	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Bromomethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Carbon disulfide	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Carbon tetrachloride	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Chlorobenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Chloroethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Chloroform	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Chloromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
cis-1,2-Dichloroethene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
cis-1,3-Dichloropropene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Di-isopropyl ether	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Dibromochloromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Dibromomethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Dichlorodifluoromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Ethyl Acetate	ND	44	1	B2C0950	03/04/2022	03/04/22 19:36	
Ethyl Ether	ND	44	1	B2C0950	03/04/2022	03/04/22 19:36	
Ethyl tert-butyl ether	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Ethylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Freon-113	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Hexachlorobutadiene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Isopropylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
m,p-Xylene	ND	8.9	1	B2C0950	03/04/2022	03/04/22 19:36	
Methylene chloride	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
MTBE	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
n-Butylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
n-Propylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Naphthalene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
o-Xylene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
sec-Butylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Styrene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
tert-Amyl methyl ether	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
tert-Butanol	ND	89	1	B2C0950	03/04/2022	03/04/22 19:36	
tert-Butylbenzene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Tetrachloroethene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Toluene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
trans-1,2-Dichloroethene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
trans-1,3-Dichloropropene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Trichloroethene	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
Trichlorofluoromethane	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

**Client Sample ID: 62-5-5-5.5**  
**Lab ID: 2200255-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	44	1	B2C0950	03/04/2022	03/04/22 19:36	
Vinyl chloride	ND	4.4	1	B2C0950	03/04/2022	03/04/22 19:36	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>131 %</i>	<i>66 - 200</i>		B2C0950	03/04/2022	<i>03/04/22 19:36</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.8 %</i>	<i>50 - 146</i>		B2C0950	03/04/2022	<i>03/04/22 19:36</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>117 %</i>	<i>77 - 159</i>		B2C0950	03/04/2022	<i>03/04/22 19:36</i>	
<i>Surrogate: Toluene-d8</i>	<i>94.0 %</i>	<i>81 - 128</i>		B2C0950	03/04/2022	<i>03/04/22 19:36</i>	





## Certificate of Analysis

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### QUALITY CONTROL SECTION

#### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0881 - EPA 3050B\_S**

**Blank (B2C0881-BLK1)**

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

**LCS (B2C0881-BS1)**

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	24.7862	2.0	0.51	25.0000	99.1	80 - 120
Arsenic	25.0077	1.0	0.12	25.0000	100	80 - 120
Barium	23.2340	1.0	0.12	25.0000	92.9	80 - 120
Beryllium	25.5016	1.0	0.03	25.0100	102	80 - 120
Cadmium	25.3218	1.0	0.14	25.0000	101	80 - 120
Chromium	24.8912	1.0	0.26	25.0000	99.6	80 - 120
Cobalt	26.2917	1.0	0.07	25.0000	105	80 - 120
Copper	24.2990	2.0	0.19	25.0000	97.2	80 - 120
Lead	25.0647	1.0	0.18	25.0000	100	80 - 120
Molybdenum	25.3943	1.0	0.12	25.0000	102	80 - 120
Nickel	24.9400	1.0	0.18	25.0000	99.8	80 - 120
Selenium	25.5998	1.0	0.40	25.0000	102	80 - 120
Silver	11.5022	1.0	0.12	12.5000	92.0	80 - 120
Thallium	25.1389	1.0	0.38	25.0000	101	80 - 120
Vanadium	24.6710	1.0	0.06	25.0000	98.7	80 - 120
Zinc	24.8261	1.0	0.15	25.0000	99.3	80 - 120

**Matrix Spike (B2C0881-MS1)**

Source: 2200238-14

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	16.9834	2.0	0.51	25.0000	0.691168	65.2	0 - 102
Arsenic	24.6994	1.0	0.12	25.0000	1.48608	92.9	55 - 117
Barium	73.5248	1.0	0.12	25.0000	53.5217	80.0	11 - 177
Beryllium	21.3997	1.0	0.03	25.0100	0.681213	82.8	64 - 115
Cadmium	23.3468	1.0	0.14	25.0000	0.273728	92.3	62 - 116
Chromium	33.4777	1.0	0.26	25.0000	9.11766	97.4	42 - 145



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0881 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C0881-MS1) - Continued**

**Source: 2200238-14**

Prepared: 3/1/2022 Analyzed: 3/2/2022

Cobalt	27.7836	1.0	0.07	25.0000	3.76062	96.1	60 - 126			
Copper	35.2591	2.0	0.19	25.0000	7.77102	110	37 - 163			
Lead	31.6591	1.0	0.18	25.0000	8.64828	92.0	26 - 161			
Molybdenum	22.9287	1.0	0.12	25.0000	0.394100	90.1	31 - 122			
Nickel	25.5062	1.0	0.18	25.0000	4.79505	82.8	52 - 130			
Selenium	24.6741	1.0	0.40	25.0000	1.42261	93.0	25 - 129			
Silver	10.3837	1.0	0.12	12.5000	0.489226	79.2	48 - 133			
Thallium	21.9382	1.0	0.38	25.0000	ND	87.8	25 - 119			
Vanadium	35.6635	1.0	0.06	25.0000	10.9398	98.9	51 - 141			
Zinc	91.9639	1.0	0.15	25.0000	63.8226	113	8 - 170			

**Matrix Spike Dup (B2C0881-MSD1)**

**Source: 2200238-14**

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	16.9762	2.0	0.51	25.0000	0.691168	65.1	0 - 102	0.0422	20	
Arsenic	23.8670	1.0	0.12	25.0000	1.48608	89.5	55 - 117	3.43	20	
Barium	73.3364	1.0	0.12	25.0000	53.5217	79.3	11 - 177	0.257	20	
Beryllium	21.4628	1.0	0.03	25.0100	0.681213	83.1	64 - 115	0.295	20	
Cadmium	23.4079	1.0	0.14	25.0000	0.273728	92.5	62 - 116	0.262	20	
Chromium	33.6229	1.0	0.26	25.0000	9.11766	98.0	42 - 145	0.433	20	
Cobalt	27.9048	1.0	0.07	25.0000	3.76062	96.6	60 - 126	0.435	20	
Copper	32.4860	2.0	0.19	25.0000	7.77102	98.9	37 - 163	8.19	20	
Lead	32.1893	1.0	0.18	25.0000	8.64828	94.2	26 - 161	1.66	20	
Molybdenum	23.2329	1.0	0.12	25.0000	0.394100	91.4	31 - 122	1.32	20	
Nickel	25.6196	1.0	0.18	25.0000	4.79505	83.3	52 - 130	0.443	20	
Selenium	24.3197	1.0	0.40	25.0000	1.42261	91.6	25 - 129	1.45	20	
Silver	10.5194	1.0	0.12	12.5000	0.489226	80.2	48 - 133	1.30	20	
Thallium	21.5586	1.0	0.38	25.0000	ND	86.2	25 - 119	1.75	20	
Vanadium	35.5472	1.0	0.06	25.0000	10.9398	98.4	51 - 141	0.327	20	
Zinc	91.4778	1.0	0.15	25.0000	63.8226	111	8 - 170	0.530	20	



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0974 - EPA 3050B\_S**

**Blank (B2C0974-BLK1)**

Prepared: 3/7/2022 Analyzed: 3/8/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

**LCS (B2C0974-BS1)**

Prepared: 3/7/2022 Analyzed: 3/8/2022

Antimony	21.3891	2.0	0.51	25.0000	85.6	80 - 120
Arsenic	21.5394	1.0	0.12	25.0000	86.2	80 - 120
Barium	20.7762	1.0	0.12	25.0000	83.1	80 - 120
Beryllium	22.5598	1.0	0.03	25.0100	90.2	80 - 120
Cadmium	21.9597	1.0	0.14	25.0000	87.8	80 - 120
Chromium	21.5158	1.0	0.26	25.0000	86.1	80 - 120
Cobalt	23.4395	1.0	0.07	25.0000	93.8	80 - 120
Copper	21.7095	2.0	0.19	25.0000	86.8	80 - 120
Lead	21.9985	1.0	0.18	25.0000	88.0	80 - 120
Molybdenum	22.2640	1.0	0.12	25.0000	89.1	80 - 120
Nickel	22.1768	1.0	0.18	25.0000	88.7	80 - 120
Selenium	22.1060	1.0	0.40	25.0000	88.4	80 - 120
Silver	10.4842	1.0	0.12	12.5000	83.9	80 - 120
Thallium	21.9048	1.0	0.38	25.0000	87.6	80 - 120
Vanadium	21.4026	1.0	0.06	25.0000	85.6	80 - 120
Zinc	23.0386	1.0	0.15	25.0000	92.2	80 - 120

**Duplicate (B2C0974-DUP1)**

**Source: 2200165-01RE1**

Prepared: 3/7/2022 Analyzed: 3/8/2022

Antimony	0.818008	2.0	0.51	0.630562	25.9	20	M2
Arsenic	2.34606	1.0	0.12	2.36403	0.763	20	
Barium	91.7734	1.0	0.12	90.8042	1.06	20	
Beryllium	1.90114	1.0	0.03	1.83806	3.37	20	
Cadmium	1.59897	1.0	0.14	1.55574	2.74	20	
Chromium	25.9707	1.0	0.26	25.6820	1.12	20	
Cobalt	5.76131	1.0	0.07	5.55352	3.67	20	
Copper	26.1348	2.0	0.19	27.1936	3.97	20	
Lead	172.374	1.0	0.18	165.590	4.02	20	



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 Irvine, CA 92612

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 Report To : Josh Voss  
 Reported : 03/09/2022

## Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2C0974 - EPA 3050B\_S (continued)

#### Duplicate (B2C0974-DUP1) - Continued

Source: 2200165-01RE1

Prepared: 3/7/2022 Analyzed: 3/8/2022

Molybdenum	1.02543	1.0	0.12		0.981826			4.34	20	
Nickel	7.50430	1.0	0.18		7.30254			2.73	20	
Selenium	ND	1.0	0.40		0.578882			NR	20	
Silver	3.64864	1.0	0.12		3.45294			5.51	20	
Thallium	ND	1.0	0.38		ND			NR	20	
Vanadium	25.7738	1.0	0.06		25.2898			1.90	20	
Zinc	130.834	1.0	0.15		128.999			1.41	20	

#### Duplicate (B2C0974-DUP2)

Source: 2200255-01

Prepared: 3/7/2022 Analyzed: 3/8/2022

Antimony	ND	2.0	0.51		ND			NR	20	
Arsenic	0.754424	1.0	0.12		ND			NR	20	
Barium	74.4754	1.0	0.12		73.2958			1.60	20	
Beryllium	2.37689	1.0	0.03		2.29351			3.57	20	
Cadmium	0.427004	1.0	0.14		0.396169			7.49	20	
Chromium	13.1991	1.0	0.26		12.8321			2.82	20	
Cobalt	5.18782	1.0	0.07		5.12432			1.23	20	
Copper	9.11548	2.0	0.19		9.21129			1.05	20	
Lead	4.56763	1.0	0.18		4.44157			2.80	20	
Molybdenum	0.194444	1.0	0.12		0.215218			10.1	20	
Nickel	5.30864	1.0	0.18		5.17096			2.63	20	
Selenium	ND	1.0	0.40		ND			NR	20	
Silver	4.88578	1.0	0.12		4.64747			5.00	20	
Thallium	ND	1.0	0.38		ND			NR	20	
Vanadium	30.9149	1.0	0.06		30.2385			2.21	20	
Zinc	34.0925	1.0	0.15		33.3637			2.16	20	

#### Matrix Spike (B2C0974-MS1)

Source: 2200165-01RE1

Prepared: 3/7/2022 Analyzed: 3/8/2022

Antimony	15.0293	2.0	0.51	25.0000	0.630562	57.6	0 - 102			
Arsenic	23.6446	1.0	0.12	25.0000	2.36403	85.1	55 - 117			
Barium	123.305	1.0	0.12	25.0000	90.8042	130	11 - 177			
Beryllium	14.7182	1.0	0.03	25.0100	1.83806	51.5	64 - 115			M2
Cadmium	21.9887	1.0	0.14	25.0000	1.55574	81.7	62 - 116			
Chromium	45.0687	1.0	0.26	25.0000	25.6820	77.5	42 - 145			
Cobalt	27.6111	1.0	0.07	25.0000	5.55352	88.2	60 - 126			
Copper	51.6025	2.0	0.19	25.0000	27.1936	97.6	37 - 163			
Lead	167.012	1.0	0.18	25.0000	165.590	5.69	26 - 161			M2
Molybdenum	21.0337	1.0	0.12	25.0000	0.981826	80.2	31 - 122			
Nickel	19.5056	1.0	0.18	25.0000	7.30254	48.8	52 - 130			M2
Selenium	21.3487	1.0	0.40	25.0000	0.578882	83.1	25 - 129			
Silver	13.3271	1.0	0.12	12.5000	3.45294	79.0	48 - 133			
Thallium	18.8263	1.0	0.38	25.0000	ND	75.3	25 - 119			
Vanadium	48.4083	1.0	0.06	25.0000	25.2898	92.5	51 - 141			
Zinc	143.966	1.0	0.15	25.0000	128.999	59.9	8 - 170			

#### Matrix Spike (B2C0974-MS2)

Source: 2200255-01

Prepared: 3/7/2022 Analyzed: 3/8/2022



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Josh Voss

Irvine , CA 92612

Reported : 03/09/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0974 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C0974-MS2) - Continued**

**Source: 2200255-01**

Prepared: 3/7/2022 Analyzed: 3/8/2022

Antimony	10.7282	2.0	0.51	25.0000	ND	42.9	0 - 102		
Arsenic	20.6166	1.0	0.12	25.0000	ND	82.5	55 - 117		
Barium	94.9798	1.0	0.12	25.0000	73.2958	86.7	11 - 177		
Beryllium	19.0680	1.0	0.03	25.0100	2.29351	67.1	64 - 115		
Cadmium	20.5612	1.0	0.14	25.0000	0.396169	80.7	62 - 116		
Chromium	33.2948	1.0	0.26	25.0000	12.8321	81.9	42 - 145		
Cobalt	27.5853	1.0	0.07	25.0000	5.12432	89.8	60 - 126		
Copper	32.2364	2.0	0.19	25.0000	9.21129	92.1	37 - 163		
Lead	24.8163	1.0	0.18	25.0000	4.44157	81.5	26 - 161		
Molybdenum	20.8385	1.0	0.12	25.0000	0.215218	82.5	31 - 122		
Nickel	20.6523	1.0	0.18	25.0000	5.17096	61.9	52 - 130		
Selenium	21.0722	1.0	0.40	25.0000	ND	84.3	25 - 129		
Silver	15.0836	1.0	0.12	12.5000	4.64747	83.5	48 - 133		
Thallium	19.3834	1.0	0.38	25.0000	ND	77.5	25 - 119		
Vanadium	53.9150	1.0	0.06	25.0000	30.2385	94.7	51 - 141		
Zinc	55.3176	1.0	0.15	25.0000	33.3637	87.8	8 - 170		

**Matrix Spike Dup (B2C0974-MSD1)**

**Source: 2200165-01RE1**

Prepared: 3/7/2022 Analyzed: 3/8/2022

Antimony	14.0392	2.0	0.51	25.0000	0.630562	53.6	0 - 102	6.81	20	
Arsenic	22.5117	1.0	0.12	25.0000	2.36403	80.6	55 - 117	4.91	20	
Barium	119.778	1.0	0.12	25.0000	90.8042	116	11 - 177	2.90	20	
Beryllium	14.1920	1.0	0.03	25.0100	1.83806	49.4	64 - 115	3.64	20	M2
Cadmium	21.1849	1.0	0.14	25.0000	1.55574	78.5	62 - 116	3.72	20	
Chromium	44.2063	1.0	0.26	25.0000	25.6820	74.1	42 - 145	1.93	20	
Cobalt	26.7882	1.0	0.07	25.0000	5.55352	84.9	60 - 126	3.03	20	
Copper	48.9601	2.0	0.19	25.0000	27.1936	87.1	37 - 163	5.26	20	
Lead	161.445	1.0	0.18	25.0000	165.590	-16.6	26 - 161	3.39	20	M2
Molybdenum	20.5632	1.0	0.12	25.0000	0.981826	78.3	31 - 122	2.26	20	
Nickel	19.0334	1.0	0.18	25.0000	7.30254	46.9	52 - 130	2.45	20	M2
Selenium	20.5638	1.0	0.40	25.0000	0.578882	79.9	25 - 129	3.75	20	
Silver	12.9682	1.0	0.12	12.5000	3.45294	76.1	48 - 133	2.73	20	
Thallium	18.4042	1.0	0.38	25.0000	ND	73.6	25 - 119	2.27	20	
Vanadium	46.9782	1.0	0.06	25.0000	25.2898	86.8	51 - 141	3.00	20	
Zinc	138.664	1.0	0.15	25.0000	128.999	38.7	8 - 170	3.75	20	



## Certificate of Analysis

GSI Environmental, Inc.  
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Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	Limits	RPD	RPD Limit	Notes
<b>Batch B2C0888 - EPA 7471_S</b>										
<b>Blank (B2C0888-BLK1)</b>										
										Prepared: 3/1/2022 Analyzed: 3/3/2022
Mercury	ND	0.10	0.01							
<b>LCS (B2C0888-BS1)</b>										
										Prepared: 3/1/2022 Analyzed: 3/3/2022
Mercury	0.418319	0.10	0.01	0.416667		100	80 - 120			
<b>Matrix Spike (B2C0888-MS1)</b>										
										Source: 2200255-03 Prepared: 3/1/2022 Analyzed: 3/3/2022
Mercury	0.527309	0.10	0.01	0.416667	0.051047	114	70 - 130			
<b>Matrix Spike Dup (B2C0888-MSD1)</b>										
										Source: 2200255-03 Prepared: 3/1/2022 Analyzed: 3/3/2022
Mercury	0.529048	0.10	0.01	0.416667	0.051047	115	70 - 130	0.329	20	



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#### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C0888 - EPA 7471\_S

Post Spike (B2C0888-PS1)

Source: 2200255-03

Prepared: 3/1/2022 Analyzed: 3/3/2022

Mercury	6.4375E-3		5.00000E-3	0.000613	116	85 - 115			M2
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Project Number : Ontario Airport / 5925  
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 Reported : 03/09/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C0946 - EPA 7471_S</b>										
<b>Blank (B2C0946-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 3/4/2022 Analyzed: 3/8/2022
<b>LCS (B2C0946-BS1)</b>										
Mercury	0.423307	0.10	0.01	0.416667		102	80 - 120			Prepared: 3/4/2022 Analyzed: 3/8/2022
<b>Matrix Spike (B2C0946-MS1)</b>										
										<b>Source: 2200255-01</b> Prepared: 3/4/2022 Analyzed: 3/8/2022
Mercury	0.425701	0.10	0.01	0.416667	ND	102	70 - 130			
<b>Matrix Spike Dup (B2C0946-MSD1)</b>										
										<b>Source: 2200255-01</b> Prepared: 3/4/2022 Analyzed: 3/8/2022
Mercury	0.423594	0.10	0.01	0.416667	ND	102	70 - 130	0.496	20	





## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/09/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C0946 - EPA 7471\_S

Post Spike (B2C0946-PS1)

Source: 2200255-01

Prepared: 3/4/2022 Analyzed: 3/8/2022

Mercury	0.005005		5.00000E-3	0.000096	98.2	85 - 115			
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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/09/2022

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0890 - GCVOA_S</b>									
<b>Blank (B2C0890-BLK1)</b>					Prepared: 3/2/2022 Analyzed: 3/2/2022				
C4-C12	ND	1.0	0.13						
<i>Surrogate: 4-Bromofluorobenzene</i>	0.5888			0.800000		73.6    47.6 - 121.18			
<b>LCS (B2C0890-BS1)</b>					Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	4.54700	1.0	0.13	5.00000		90.9    58.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.6493			0.800000		81.2    47.6 - 121.18			
<b>LCS Dup (B2C0890-BSD1)</b>					Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	5.02400	1.0	0.13	5.00000		100    58.69 - 124.04	9.97	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.6616			0.800000		82.7    47.6 - 121.18			
<b>Matrix Spike (B2C0890-MS1)</b>					<b>Source: 2200249-14</b>		Prepared: 3/2/2022 Analyzed: 3/2/2022		
Gasoline Range Organics	5.04391	1.0	0.13	4.99002	ND	101    37.92 - 128.32			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7265			0.800000		90.8    47.6 - 121.18			
<b>Matrix Spike Dup (B2C0890-MSD1)</b>					<b>Source: 2200249-14</b>		Prepared: 3/2/2022 Analyzed: 3/2/2022		
Gasoline Range Organics	4.38623	1.0	0.13	4.99002	ND	87.9    37.92 - 128.32	13.9	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.6700			0.800000		83.8    47.6 - 121.18			



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### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0948 - GCVOA_S</b>									
<b>Blank (B2C0948-BLK1)</b>					Prepared: 3/7/2022 Analyzed: 3/7/2022				
C4-C12	ND	1.0	0.13						
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6809</i>			<i>0.800000</i>		<i>85.1</i>	<i>47.6 - 121.18</i>		
<b>LCS (B2C0948-BS1)</b>					Prepared: 3/7/2022 Analyzed: 3/7/2022				
Gasoline Range Organics	4.54400	1.0	0.13	5.00000		90.9	58.69 - 124.04		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7825</i>			<i>0.800000</i>		<i>97.8</i>	<i>47.6 - 121.18</i>		
<b>LCS Dup (B2C0948-BSD1)</b>					Prepared: 3/7/2022 Analyzed: 3/7/2022				
Gasoline Range Organics	4.51000	1.0	0.13	5.00000		90.2	58.69 - 124.04	0.751	20
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7890</i>			<i>0.800000</i>		<i>98.6</i>	<i>47.6 - 121.18</i>		



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### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2B1245 - GCSEMI_DRO_S</b>									
<b>Blank (B2B1245-BLK1)</b>					Prepared: 2/28/2022 Analyzed: 3/1/2022				
C13-C23	ND	10	3.6						
C23-C32	ND	10	3.6						
<hr/>									
<i>Surrogate: p-Terphenyl</i>	72.93			80.0000		91.2	62 - 141		
<b>LCS (B2B1245-BS1)</b>					Prepared: 2/28/2022 Analyzed: 3/1/2022				
DRO	913.862	10	3.6	1000.00		91.4	56 - 139		
<hr/>									
<i>Surrogate: p-Terphenyl</i>	76.57			80.0000		95.7	62 - 141		
<b>Matrix Spike (B2B1245-MS1)</b>					<b>Source: 2200254-01</b>		Prepared: 2/28/2022 Analyzed: 3/1/2022		
DRO	926.679	10	3.6	1000.00	ND	92.7	38 - 161		
<hr/>									
<i>Surrogate: p-Terphenyl</i>	76.27			80.0000		95.3	62 - 141		
<b>Matrix Spike Dup (B2B1245-MSD1)</b>					<b>Source: 2200254-01</b>		Prepared: 2/28/2022 Analyzed: 3/1/2022		
DRO	902.954	10	3.6	1000.00	ND	90.3	38 - 161	2.59	20
<hr/>									
<i>Surrogate: p-Terphenyl</i>	74.17			80.0000		92.7	62 - 141		



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### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0961 - GCSEMI_DRO_S</b>									
<b>Blank (B2C0961-BLK1)</b>					Prepared: 3/4/2022 Analyzed: 3/4/2022				
C13-C23	ND	10	3.6						
C23-C32	ND	10	3.6						
<hr/>									
<i>Surrogate: p-Terphenyl</i>	78.56			80.0000		98.2	62 - 141		
<b>LCS (B2C0961-BS1)</b>					Prepared: 3/4/2022 Analyzed: 3/4/2022				
DRO	965.143	10	3.6	1000.00		96.5	56 - 139		
<hr/>									
<i>Surrogate: p-Terphenyl</i>	85.68			80.0000		107	62 - 141		
<b>Matrix Spike (B2C0961-MS1)</b>					Prepared: 3/4/2022 Analyzed: 3/4/2022				
<b>Source: 2200291-01</b>									
DRO	1089.66	50	18	1000.00	ND	109	38 - 161		
<hr/>									
<i>Surrogate: p-Terphenyl</i>	78.54			80.0000		98.2	62 - 141		
<b>Matrix Spike Dup (B2C0961-MSD1)</b>					Prepared: 3/4/2022 Analyzed: 3/4/2022				
<b>Source: 2200291-01</b>									
DRO	1066.85	50	18	1000.00	ND	107	38 - 161	2.12	20
<hr/>									
<i>Surrogate: p-Terphenyl</i>	85.08			80.0000		106	62 - 141		



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0950 - MSVOA\_S**

**Blank (B2C0950-BLK1)**

Prepared: 3/4/2022 Analyzed: 3/4/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0950 - MSVOA\_S (continued)**

**Blank (B2C0950-BLK1) - Continued**

Prepared: 3/4/2022 Analyzed: 3/4/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	62.77		50.0000	126	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	47.22		50.0000	94.4	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	60.10		50.0000	120	77 - 159
<i>Surrogate: Toluene-d8</i>	48.74		50.0000	97.5	81 - 128

**LCS (B2C0950-BS1)**

Prepared: 3/4/2022 Analyzed: 3/4/2022

1,1,1,2-Tetrachloroethane	50.0600	5.0	0.52	50.0000	100	84 - 123
1,1,1-Trichloroethane	51.5600	5.0	0.26	50.0000	103	78 - 133
1,1,2,2-Tetrachloroethane	43.0100	5.0	0.21	50.0000	86.0	63 - 127
1,1,2-Trichloroethane	47.7700	5.0	0.40	50.0000	95.5	80 - 125
1,1-Dichloroethane	48.1600	5.0	1.4	50.0000	96.3	77 - 128
1,1-Dichloroethene	50.6200	5.0	1.9	50.0000	101	69 - 138
1,1-Dichloropropene	49.2400	5.0	0.54	50.0000	98.5	80 - 133
1,2,3-Trichloropropane	46.0100	5.0	0.40	50.0000	92.0	74 - 123
1,2,3-Trichlorobenzene	46.5100	5.0	0.83	50.0000	93.0	79 - 133
1,2,4-Trichlorobenzene	45.2300	5.0	0.80	50.0000	90.5	73 - 131
1,2,4-Trimethylbenzene	46.8400	5.0	0.91	50.0000	93.7	86 - 137
1,2-Dibromo-3-chloropropane	45.3100	10	1.1	50.0000	90.6	62 - 127
1,2-Dibromoethane	50.6700	5.0	0.40	50.0000	101	83 - 126
1,2-Dichlorobenzene	44.9900	5.0	0.21	50.0000	90.0	83 - 123
1,2-Dichloroethane	51.6000	5.0	0.50	50.0000	103	76 - 128



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B2C0950 - MSVOA\_S (continued)

#### LCS (B2C0950-BS1) - Continued

Prepared: 3/4/2022 Analyzed: 3/4/2022

1,2-Dichloropropane	45.8800	5.0	0.46	50.0000		91.8	77 - 121		
1,3,5-Trimethylbenzene	46.3000	5.0	0.70	50.0000		92.6	84 - 135		
1,3-Dichlorobenzene	47.6900	5.0	0.36	50.0000		95.4	81 - 126		
1,3-Dichloropropane	49.7900	5.0	0.49	50.0000		99.6	80 - 118		
1,4-Dichlorobenzene	44.7900	5.0	0.27	50.0000		89.6	80 - 124		
2,2-Dichloropropane	49.4200	5.0	0.28	50.0000		98.8	72 - 135		
2-Chlorotoluene	48.1200	5.0	0.53	50.0000		96.2	81 - 127		
4-Chlorotoluene	47.0700	5.0	0.40	50.0000		94.1	83 - 127		
4-Isopropyltoluene	46.2500	5.0	0.81	50.0000		92.5	82 - 143		
Benzene	49.3400	5.0	0.36	50.0000		98.7	84 - 123		
Bromobenzene	47.2900	5.0	0.62	50.0000		94.6	80 - 122		
Bromochloromethane	48.9600	5.0	0.30	50.0000		97.9	83 - 127		
Bromodichloromethane	53.9400	5.0	0.52	50.0000		108	82 - 123		
Bromoform	51.4800	5.0	1.4	50.0000		103	80 - 132		
Bromomethane	72.2300	5.0	2.5	50.0000		144	67 - 176		
Carbon disulfide	50.2900	5.0	0.94	50.0000		101	75 - 138		
Carbon tetrachloride	53.1700	5.0	0.73	50.0000		106	76 - 131		
Chlorobenzene	48.4600	5.0	0.42	50.0000		96.9	84 - 119		
Chloroethane	56.4000	5.0	1.5	50.0000		113	56 - 170		
Chloroform	52.3500	5.0	0.24	50.0000		105	78 - 129		
Chloromethane	46.8000	5.0	1.1	50.0000		93.6	63 - 141		
cis-1,2-Dichloroethene	39.0800	5.0	0.20	50.0000		78.2	83 - 125		L3
cis-1,3-Dichloropropene	41.5800	5.0	0.39	50.0000		83.2	76 - 129		
Di-isopropyl ether	44.3600	5.0	1.9	50.0000		88.7	73 - 132		
Dibromochloromethane	46.6600	5.0	0.81	50.0000		93.3	81 - 120		
Dibromomethane	48.8000	5.0	0.23	50.0000		97.6	79 - 124		
Dichlorodifluoromethane	45.9000	5.0	0.14	50.0000		91.8	18 - 199		
Ethyl Acetate	32.4600	50	7.0	500.000		6.49	76 - 138		MO
Ethyl Ether	556.860	50	17	500.000		111	74 - 128		
Ethyl tert-butyl ether	45.5100	5.0	0.85	50.0000		91.0	50 - 175		
Ethylbenzene	48.4300	5.0	0.43	50.0000		96.9	86 - 130		
Freon-113	60.9700	5.0	1.3	50.0000		122	66 - 132		
Hexachlorobutadiene	50.0900	5.0	0.40	50.0000		100	64 - 135		
Isopropylbenzene	48.0700	5.0	0.79	50.0000		96.1	80 - 133		
m,p-Xylene	97.8500	10	0.98	100.000		97.8	89 - 133		
Methylene chloride	49.7600	5.0	2.2	50.0000		99.5	72 - 143		
MTBE	44.9100	5.0	0.81	50.0000		89.8	73 - 136		
n-Butylbenzene	45.4600	5.0	1.2	50.0000		90.9	76 - 144		
n-Propylbenzene	47.0400	5.0	0.78	50.0000		94.1	81 - 136		
Naphthalene	43.4600	5.0	1.1	50.0000		86.9	64 - 128		
o-Xylene	49.2900	5.0	0.67	50.0000		98.6	82 - 134		
sec-Butylbenzene	47.2600	5.0	0.63	50.0000		94.5	81 - 138		
Styrene	47.9100	5.0	0.45	50.0000		95.8	79 - 152		
tert-Amyl methyl ether	46.7900	5.0	1.1	50.0000		93.6	48 - 166		
tert-Butanol	177.910	100	11	250.000		71.2	48 - 148		





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## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0950 - MSVOA_S (continued)</b>									
<b>LCS (B2C0950-BS1) - Continued</b>					Prepared: 3/4/2022 Analyzed: 3/4/2022				
tert-Butylbenzene	45.4900	5.0	0.80	50.0000		91.0	81 - 135		
Tetrachloroethene	47.6100	5.0	0.31	50.0000		95.2	75 - 127		
Toluene	49.2100	5.0	0.27	50.0000		98.4	88 - 130		
trans-1,2-Dichloroethene	66.8500	5.0	0.56	50.0000		134	79 - 127		L4
trans-1,3-Dichloropropene	45.0700	5.0	0.59	50.0000		90.1	80 - 130		
Trichloroethene	52.0500	5.0	0.32	50.0000		104	83 - 126		
Trichlorofluoromethane	59.6500	5.0	1.0	50.0000		119	62 - 143		
Vinyl acetate	31.1500	50	6.0	500.000		6.23	69 - 150		MO
Vinyl chloride	53.6600	5.0	0.92	50.0000		107	69 - 140		

Surrogate: 1,2-Dichloroethane-d4	54.26			50.0000		109	66 - 200		
Surrogate: 4-Bromofluorobenzene	51.17			50.0000		102	50 - 146		
Surrogate: Dibromofluoromethane	51.55			50.0000		103	77 - 159		
Surrogate: Toluene-d8	49.64			50.0000		99.3	81 - 128		

<b>LCS Dup (B2C0950-BSD1)</b>					Prepared: 3/4/2022 Analyzed: 3/4/2022				
1,1,1,2-Tetrachloroethane	50.4500	5.0	0.52	50.0000		101	84 - 123	0.776	20
1,1,1-Trichloroethane	52.7100	5.0	0.26	50.0000		105	78 - 133	2.21	20
1,1,2,2-Tetrachloroethane	42.2300	5.0	0.21	50.0000		84.5	63 - 127	1.83	20
1,1,2-Trichloroethane	47.0100	5.0	0.40	50.0000		94.0	80 - 125	1.60	20
1,1-Dichloroethane	48.7200	5.0	1.4	50.0000		97.4	77 - 128	1.16	20
1,1-Dichloroethene	52.1400	5.0	1.9	50.0000		104	69 - 138	2.96	20
1,1-Dichloropropene	51.3500	5.0	0.54	50.0000		103	80 - 133	4.20	20
1,2,3-Trichloropropane	45.8900	5.0	0.40	50.0000		91.8	74 - 123	0.261	20
1,2,3-Trichlorobenzene	44.3900	5.0	0.83	50.0000		88.8	79 - 133	4.66	20
1,2,4-Trichlorobenzene	44.5300	5.0	0.80	50.0000		89.1	73 - 131	1.56	20
1,2,4-Trimethylbenzene	45.9000	5.0	0.91	50.0000		91.8	86 - 137	2.03	20
1,2-Dibromo-3-chloropropane	37.6100	10	1.1	50.0000		75.2	62 - 127	18.6	20
1,2-Dibromoethane	48.1000	5.0	0.40	50.0000		96.2	83 - 126	5.20	20
1,2-Dichlorobenzene	44.0000	5.0	0.21	50.0000		88.0	83 - 123	2.22	20
1,2-Dichloroethane	53.5500	5.0	0.50	50.0000		107	76 - 128	3.71	20
1,2-Dichloropropane	48.9600	5.0	0.46	50.0000		97.9	77 - 121	6.50	20
1,3,5-Trimethylbenzene	46.3700	5.0	0.70	50.0000		92.7	84 - 135	0.151	20
1,3-Dichlorobenzene	44.6900	5.0	0.36	50.0000		89.4	81 - 126	6.49	20
1,3-Dichloropropane	49.1100	5.0	0.49	50.0000		98.2	80 - 118	1.38	20
1,4-Dichlorobenzene	44.8200	5.0	0.27	50.0000		89.6	80 - 124	0.0670	20
2,2-Dichloropropane	49.7700	5.0	0.28	50.0000		99.5	72 - 135	0.706	20
2-Chlorotoluene	45.4700	5.0	0.53	50.0000		90.9	81 - 127	5.66	20
4-Chlorotoluene	46.2000	5.0	0.40	50.0000		92.4	83 - 127	1.87	20
4-Isopropyltoluene	44.7200	5.0	0.81	50.0000		89.4	82 - 143	3.36	20
Benzene	50.7400	5.0	0.36	50.0000		101	84 - 123	2.80	20
Bromobenzene	45.8200	5.0	0.62	50.0000		91.6	80 - 122	3.16	20
Bromochloromethane	48.8300	5.0	0.30	50.0000		97.7	83 - 127	0.266	20
Bromodichloromethane	55.4200	5.0	0.52	50.0000		111	82 - 123	2.71	20
Bromoform	49.2900	5.0	1.4	50.0000		98.6	80 - 132	4.35	20
Bromomethane	69.6200	5.0	2.5	50.0000		139	67 - 176	3.68	20



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/09/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0950 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2C0950-BSD1) - Continued</b>					Prepared: 3/4/2022 Analyzed: 3/4/2022				
Carbon disulfide	48.6800	5.0	0.94	50.0000		97.4	75 - 138	3.25	20
Carbon tetrachloride	51.3400	5.0	0.73	50.0000		103	76 - 131	3.50	20
Chlorobenzene	46.1900	5.0	0.42	50.0000		92.4	84 - 119	4.80	20
Chloroethane	58.5300	5.0	1.5	50.0000		117	56 - 170	3.71	20
Chloroform	51.0300	5.0	0.24	50.0000		102	78 - 129	2.55	20
Chloromethane	49.0700	5.0	1.1	50.0000		98.1	63 - 141	4.74	20
cis-1,2-Dichloroethene	38.5000	5.0	0.20	50.0000		77.0	83 - 125	1.50	20 L3
cis-1,3-Dichloropropene	43.5800	5.0	0.39	50.0000		87.2	76 - 129	4.70	20
Di-isopropyl ether	45.6300	5.0	1.9	50.0000		91.3	73 - 132	2.82	20
Dibromochloromethane	46.3900	5.0	0.81	50.0000		92.8	81 - 120	0.580	20
Dibromomethane	50.5000	5.0	0.23	50.0000		101	79 - 124	3.42	20
Dichlorodifluoromethane	45.7600	5.0	0.14	50.0000		91.5	18 - 199	0.305	20
Ethyl Acetate	13.6400	50	7.0	500.000		2.73	76 - 138	81.6	20 MO, R
Ethyl Ether	576.160	50	17	500.000		115	74 - 128	3.41	20
Ethyl tert-butyl ether	46.4500	5.0	0.85	50.0000		92.9	50 - 175	2.04	20
Ethylbenzene	48.7000	5.0	0.43	50.0000		97.4	86 - 130	0.556	20
Freon-113	55.0700	5.0	1.3	50.0000		110	66 - 132	10.2	20
Hexachlorobutadiene	45.5800	5.0	0.40	50.0000		91.2	64 - 135	9.43	20
Isopropylbenzene	47.1000	5.0	0.79	50.0000		94.2	80 - 133	2.04	20
m,p-Xylene	99.3100	10	0.98	100.000		99.3	89 - 133	1.48	20
Methylene chloride	49.5100	5.0	2.2	50.0000		99.0	72 - 143	0.504	20
MTBE	46.2700	5.0	0.81	50.0000		92.5	73 - 136	2.98	20
n-Butylbenzene	44.4200	5.0	1.2	50.0000		88.8	76 - 144	2.31	20
n-Propylbenzene	44.9700	5.0	0.78	50.0000		89.9	81 - 136	4.50	20
Naphthalene	42.0100	5.0	1.1	50.0000		84.0	64 - 128	3.39	20
o-Xylene	49.0600	5.0	0.67	50.0000		98.1	82 - 134	0.468	20
sec-Butylbenzene	45.1000	5.0	0.63	50.0000		90.2	81 - 138	4.68	20
Styrene	48.7000	5.0	0.45	50.0000		97.4	79 - 152	1.64	20
tert-Amyl methyl ether	47.9000	5.0	1.1	50.0000		95.8	48 - 166	2.34	20
tert-Butanol	176.550	100	11	250.000		70.6	48 - 148	0.767	20
tert-Butylbenzene	44.2200	5.0	0.80	50.0000		88.4	81 - 135	2.83	20
Tetrachloroethene	49.1100	5.0	0.31	50.0000		98.2	75 - 127	3.10	20
Toluene	50.0700	5.0	0.27	50.0000		100	88 - 130	1.73	20
trans-1,2-Dichloroethene	66.3600	5.0	0.56	50.0000		133	79 - 127	0.736	20 L4
trans-1,3-Dichloropropene	48.2800	5.0	0.59	50.0000		96.6	80 - 130	6.88	20
Trichloroethene	50.6500	5.0	0.32	50.0000		101	83 - 126	2.73	20
Trichlorofluoromethane	54.7000	5.0	1.0	50.0000		109	62 - 143	8.66	20
Vinyl acetate	22.1200	50	6.0	500.000		4.42	69 - 150	33.9	20 MO, R
Vinyl chloride	53.7900	5.0	0.92	50.0000		108	69 - 140	0.242	20
<hr/>									
Surrogate: 1,2-Dichloroethane-d4	53.17			50.0000		106	66 - 200		
Surrogate: 4-Bromofluorobenzene	50.96			50.0000		102	50 - 146		
Surrogate: Dibromofluoromethane	53.69			50.0000		107	77 - 159		
Surrogate: Toluene-d8	49.50			50.0000		99.0	81 - 128		

2200255

FROM: GSI Environmental Inc.  
19200 Von Karman Ave, Suite 800  
Irvine, CA 92612  
(949) 679-1070

PROJECT NAME: Ontario Airport

PROJECT CONTACT: Winnie Robino / Josh Voss

GLOBAL ID:

TEL: (949) 679-1070 E-MAIL: vrobin@gsi-net.com / jvoss@gsi-net.com

LABORATORY: Advanced Technology Laboratories

PROJECT NO.: 5925

LAB CONTACT: Victoria Michel

SAMPLER(S): (PRINT)  
Tiam Nohin / Josh Voss

**REQUESTED ANALYSES**  
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Preservation			T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCFs 8081A	Herbicides 8051
		DATE	TIME			Unpreserved	Preserved	Field Filtered									
1	62-5-1-1	2/25/22	0840	Soil	1	1			X	X	X						
2	62-5-1-5.5		0928		5	1	4		X	X	X						
3	62-5-2-1		0955		1	1			X	X	X						
4	62-5-2-5.5		1016		5	1	4		X	X	X						
5	62-5-3-1		1040		1	1			X	X	X						
6	62-5-3-5.5		1100		5	1	4		X	X	X						
7	62-5-4-1		1134		1	1			X	X	X						
8	62-5-4-5.5		1150		5	1	4		X	X	X						
9	62-5-6-1		1230		1	1			X	X	X						
10	62-5-6-5.5		1248		5	1	4		X	X	X						
11	62-5-5-1		1322		1	1			X	X	X						
12	62-5-5-5.5		1336		5	1	4		X	X	X						
13	TD-20220225		1240	Water	4		4										

Relinquished by: (Signature) *[Signature]* Date: 2/25/22 Time: 1543

Relinquished by: (Signature) *[Signature]* Date: 2/25/22 Time: 1711

Relinquished by: (Signature) *[Signature]* Date: \_\_\_\_\_ Time: \_\_\_\_\_

March 08, 2022

Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200261  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on February 28, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Edward Bae, Project Assistant  
[Edward.Bae@atlglobal.com](mailto:Edward.Bae@atlglobal.com)

Authorized to Release on 03/08/22 16:49 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Josh Voss  
Reported : 03/08/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
62-8-1-1	2200261-01	Soil	2/28/22 9:03	2/28/22 16:50
62-8-1-5.5	2200261-02	Soil	2/28/22 9:25	2/28/22 16:50
62-8-2-1	2200261-03	Soil	2/28/22 10:18	2/28/22 16:50
62-8-2-5.5	2200261-04	Soil	2/28/22 10:55	2/28/22 16:50
62-8-3-1	2200261-05	Soil	2/28/22 11:12	2/28/22 16:50
62-8-3-5.5	2200261-06	Soil	2/28/22 11:40	2/28/22 16:50
62-8-4-1	2200261-07	Soil	2/28/22 12:14	2/28/22 16:50
62-8-4-5.5	2200261-08	Soil	2/28/22 12:48	2/28/22 16:50
62-8-6-1	2200261-09	Soil	2/28/22 13:18	2/28/22 16:50
62-8-6-5.5	2200261-10	Soil	2/28/22 13:38	2/28/22 16:50
62-8-5-1	2200261-11	Soil	2/28/22 14:05	2/28/22 16:50
62-8-5-5.5	2200261-12	Soil	2/28/22 14:25	2/28/22 16:50



# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

## Notes and Definitions

- R RPD value outside acceptance criteria. Calculation is based on raw values.
- MO Manufacturer omitted analyte within the stock standard.
- M2 Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
- L5 Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
- ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)

### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

## Mercury by AA (Cold Vapor) EPA 7471A

### Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200261-01	62-8-1-1	ND	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22	11:40	
2200261-03	62-8-2-1	ND	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22	11:43	
2200261-05	62-8-3-1	ND	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22	11:46	
2200261-07	62-8-4-1	ND	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22	11:49	
2200261-09	62-8-6-1	ND	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22	11:51	
2200261-11	62-8-5-1	0.11	mg/kg	0.10	1	B2C0888	03/02/2022	03/03/22	11:54	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-1-1**  
**Lab ID: 2200261-01**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
<b>Barium</b>	<b>68</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
<b>Beryllium</b>	<b>3.0</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
<b>Cobalt</b>	<b>4.6</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
<b>Copper</b>	<b>8.8</b>	2.0	1	B2C0882	03/02/2022	03/02/22 16:27	
<b>Lead</b>	<b>3.1</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
<b>Nickel</b>	<b>4.9</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
<b>Selenium</b>	<b>1.5</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
<b>Silver</b>	<b>5.9</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	
<b>Zinc</b>	<b>31</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:27	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-1-5.5**  
**Lab ID: 2200261-02**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.93	1	B2C0896	03/02/2022	03/02/22 21:01	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>84.5 %</i>	<i>47.6 - 121.18</i>		B2C0896	03/02/2022	03/02/22 21:01	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 15:15	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 15:15	
<i>Surrogate: p-Terphenyl</i>	<i>133 %</i>	<i>62 - 141</i>		B2C0885	03/01/2022	03/02/22 15:15	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1,1-Trichloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1,2-Trichloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1-Dichloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1-Dichloroethene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,1-Dichloropropene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2,3-Trichloropropane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2-Dibromo-3-chloropropane	ND	9.7	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2-Dibromoethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2-Dichlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2-Dichloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,2-Dichloropropane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,3-Dichlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,3-Dichloropropane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
1,4-Dichlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
2,2-Dichloropropane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
2-Chlorotoluene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
4-Chlorotoluene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
4-Isopropyltoluene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Benzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Bromobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-8-1-5.5**

**Lab ID: 2200261-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Bromodichloromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Bromoform	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Bromomethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Carbon disulfide	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Carbon tetrachloride	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Chlorobenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Chloroethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Chloroform	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Chloromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
cis-1,2-Dichloroethene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
cis-1,3-Dichloropropene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Di-isopropyl ether	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Dibromochloromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Dibromomethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Dichlorodifluoromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Ethyl Acetate	ND	49	1	B2C0952	03/04/2022	03/04/22 21:36	
Ethyl Ether	ND	49	1	B2C0952	03/04/2022	03/04/22 21:36	
Ethyl tert-butyl ether	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Ethylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Freon-113	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Hexachlorobutadiene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Isopropylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
m,p-Xylene	ND	9.7	1	B2C0952	03/04/2022	03/04/22 21:36	
Methylene chloride	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
MTBE	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
n-Butylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
n-Propylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Naphthalene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
o-Xylene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
sec-Butylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Styrene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
tert-Amyl methyl ether	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
tert-Butanol	ND	97	1	B2C0952	03/04/2022	03/04/22 21:36	
tert-Butylbenzene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Tetrachloroethene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Toluene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
trans-1,2-Dichloroethene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
trans-1,3-Dichloropropene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Trichloroethene	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
Trichlorofluoromethane	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-1-5.5**  
**Lab ID: 2200261-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	49	1	B2C0952	03/04/2022	03/04/22 21:36	
Vinyl chloride	ND	4.9	1	B2C0952	03/04/2022	03/04/22 21:36	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>121 %</i>	<i>66 - 200</i>		B2C0952	03/04/2022	<i>03/04/22 21:36</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.4 %</i>	<i>50 - 146</i>		B2C0952	03/04/2022	<i>03/04/22 21:36</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>127 %</i>	<i>77 - 159</i>		B2C0952	03/04/2022	<i>03/04/22 21:36</i>	
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>81 - 128</i>		B2C0952	03/04/2022	<i>03/04/22 21:36</i>	

**Client Sample ID: 62-8-2-1**  
**Lab ID: 2200261-03**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
<b>Barium</b>	<b>73</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
<b>Beryllium</b>	<b>2.7</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
<b>Cobalt</b>	<b>4.5</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
<b>Copper</b>	<b>8.5</b>	2.0	1	B2C0882	03/02/2022	03/02/22 16:29	
<b>Lead</b>	<b>2.9</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
<b>Nickel</b>	<b>4.7</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
<b>Selenium</b>	<b>1.4</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
<b>Silver</b>	<b>5.3</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
<b>Vanadium</b>	<b>28</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	
<b>Zinc</b>	<b>29</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:29	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-2-5.5**  
**Lab ID: 2200261-04**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C0896	03/02/2022	03/02/22 21:26	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>83.3 %</i>	<i>47.6 - 121.18</i>		B2C0896	03/02/2022	03/02/22 21:26	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 15:36	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 15:36	
<i>Surrogate: p-Terphenyl</i>	<i>121 %</i>	<i>62 - 141</i>		B2C0885	03/01/2022	03/02/22 15:36	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1,1-Trichloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1,2,2-Tetrachloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1,2-Trichloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1-Dichloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1-Dichloroethene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,1-Dichloropropene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2,3-Trichloropropane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2,3-Trichlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2,4-Trichlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2,4-Trimethylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2-Dibromo-3-chloropropane	ND	9.6	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2-Dibromoethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2-Dichlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2-Dichloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,2-Dichloropropane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,3,5-Trimethylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,3-Dichlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,3-Dichloropropane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
1,4-Dichlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
2,2-Dichloropropane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
2-Chlorotoluene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
4-Chlorotoluene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
4-Isopropyltoluene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Benzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Bromobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-8-2-5.5**

**Lab ID: 2200261-04**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Bromodichloromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Bromoform	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Bromomethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Carbon disulfide	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Carbon tetrachloride	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Chlorobenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Chloroethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Chloroform	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Chloromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
cis-1,2-Dichloroethene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
cis-1,3-Dichloropropene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Di-isopropyl ether	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Dibromochloromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Dibromomethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Dichlorodifluoromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Ethyl Acetate	ND	48	1	B2C0952	03/04/2022	03/04/22 22:01	
Ethyl Ether	ND	48	1	B2C0952	03/04/2022	03/04/22 22:01	
Ethyl tert-butyl ether	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Ethylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Freon-113	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Hexachlorobutadiene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Isopropylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
m,p-Xylene	ND	9.6	1	B2C0952	03/04/2022	03/04/22 22:01	
Methylene chloride	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
MTBE	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
n-Butylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
n-Propylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Naphthalene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
o-Xylene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
sec-Butylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Styrene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
tert-Amyl methyl ether	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
tert-Butanol	ND	96	1	B2C0952	03/04/2022	03/04/22 22:01	
tert-Butylbenzene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Tetrachloroethene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Toluene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
trans-1,2-Dichloroethene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
trans-1,3-Dichloropropene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Trichloroethene	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
Trichlorofluoromethane	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-8-2-5.5**

**Lab ID: 2200261-04**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	48	1	B2C0952	03/04/2022	03/04/22 22:01	
Vinyl chloride	ND	4.8	1	B2C0952	03/04/2022	03/04/22 22:01	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>122 %</i>	<i>66 - 200</i>		B2C0952	03/04/2022	<i>03/04/22 22:01</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>50 - 146</i>		B2C0952	03/04/2022	<i>03/04/22 22:01</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>124 %</i>	<i>77 - 159</i>		B2C0952	03/04/2022	<i>03/04/22 22:01</i>	
<i>Surrogate: Toluene-d8</i>	<i>103 %</i>	<i>81 - 128</i>		B2C0952	03/04/2022	<i>03/04/22 22:01</i>	

**Client Sample ID: 62-8-3-1**

**Lab ID: 2200261-05**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
<b>Barium</b>	<b>79</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
<b>Beryllium</b>	<b>3.0</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
<b>Cobalt</b>	<b>5.1</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
<b>Copper</b>	<b>9.1</b>	2.0	1	B2C0882	03/02/2022	03/02/22 16:31	
<b>Lead</b>	<b>2.9</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
<b>Nickel</b>	<b>5.2</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
<b>Selenium</b>	<b>2.5</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
<b>Silver</b>	<b>5.9</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
<b>Vanadium</b>	<b>31</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	
<b>Zinc</b>	<b>32</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:31	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-3-5.5**  
**Lab ID: 2200261-06**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C0896	03/02/2022	03/02/22 21:50	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>82.1 %</i>	<i>47.6 - 121.18</i>		B2C0896	03/02/2022	03/02/22 21:50	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 15:57	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 15:57	
<i>Surrogate: p-Terphenyl</i>	<i>137 %</i>	<i>62 - 141</i>		B2C0885	03/01/2022	03/02/22 15:57	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1,1-Trichloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1,2-Trichloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1-Dichloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1-Dichloroethene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,1-Dichloropropene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2,3-Trichloropropane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2-Dibromoethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2-Dichlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2-Dichloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,2-Dichloropropane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,3-Dichlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,3-Dichloropropane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
1,4-Dichlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
2,2-Dichloropropane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
2-Chlorotoluene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
4-Chlorotoluene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
4-Isopropyltoluene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Benzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Bromobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-3-5.5**  
**Lab ID: 2200261-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Bromodichloromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Bromoform	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Bromomethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Carbon disulfide	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Carbon tetrachloride	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Chlorobenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Chloroethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Chloroform	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Chloromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
cis-1,2-Dichloroethene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
cis-1,3-Dichloropropene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Di-isopropyl ether	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Dibromochloromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Dibromomethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Dichlorodifluoromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Ethyl Acetate	ND	44	1	B2C0952	03/04/2022	03/04/22 22:25	
Ethyl Ether	ND	44	1	B2C0952	03/04/2022	03/04/22 22:25	
Ethyl tert-butyl ether	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Ethylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Freon-113	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Hexachlorobutadiene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Isopropylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
m,p-Xylene	ND	8.8	1	B2C0952	03/04/2022	03/04/22 22:25	
Methylene chloride	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
MTBE	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
n-Butylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
n-Propylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Naphthalene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
o-Xylene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
sec-Butylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Styrene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
tert-Amyl methyl ether	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
tert-Butanol	ND	88	1	B2C0952	03/04/2022	03/04/22 22:25	
tert-Butylbenzene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Tetrachloroethene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Toluene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
trans-1,2-Dichloroethene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
trans-1,3-Dichloropropene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Trichloroethene	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
Trichlorofluoromethane	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-3-5.5**  
**Lab ID: 2200261-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	44	1	B2C0952	03/04/2022	03/04/22 22:25	
Vinyl chloride	ND	4.4	1	B2C0952	03/04/2022	03/04/22 22:25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>117 %</i>	<i>66 - 200</i>		B2C0952	03/04/2022	<i>03/04/22 22:25</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.3 %</i>	<i>50 - 146</i>		B2C0952	03/04/2022	<i>03/04/22 22:25</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>127 %</i>	<i>77 - 159</i>		B2C0952	03/04/2022	<i>03/04/22 22:25</i>	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>81 - 128</i>		B2C0952	03/04/2022	<i>03/04/22 22:25</i>	

**Client Sample ID: 62-8-4-1**  
**Lab ID: 2200261-07**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
<b>Barium</b>	<b>90</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
<b>Beryllium</b>	<b>3.2</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
<b>Chromium</b>	<b>16</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
<b>Cobalt</b>	<b>5.7</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
<b>Copper</b>	<b>11</b>	2.0	1	B2C0882	03/02/2022	03/02/22 16:33	
<b>Lead</b>	<b>3.2</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
<b>Nickel</b>	<b>6.0</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
<b>Selenium</b>	<b>1.6</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
<b>Silver</b>	<b>6.4</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
<b>Vanadium</b>	<b>35</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	
<b>Zinc</b>	<b>34</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:33	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-8-4-5.5**

**Lab ID: 2200261-08**

**Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.83	1	B2C0896	03/02/2022	03/02/22 22:15	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>84.8 %</i>	<i>47.6 - 121.18</i>		B2C0896	03/02/2022	03/02/22 22:15	

**Hydrocarbon Chain Distribution by EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 16:18	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 16:18	
<i>Surrogate: p-Terphenyl</i>	<i>109 %</i>	<i>62 - 141</i>		B2C0885	03/01/2022	03/02/22 16:18	

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1,1-Trichloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1,2-Trichloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1-Dichloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1-Dichloroethene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,1-Dichloropropene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2,3-Trichloropropane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2-Dibromoethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2-Dichlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2-Dichloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,2-Dichloropropane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,3-Dichlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,3-Dichloropropane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
1,4-Dichlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
2,2-Dichloropropane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
2-Chlorotoluene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
4-Chlorotoluene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
4-Isopropyltoluene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Benzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Bromobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-8-4-5.5**

**Lab ID: 2200261-08**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Bromodichloromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Bromoform	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Bromomethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Carbon disulfide	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Carbon tetrachloride	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Chlorobenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Chloroethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Chloroform	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Chloromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
cis-1,2-Dichloroethene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
cis-1,3-Dichloropropene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Di-isopropyl ether	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Dibromochloromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Dibromomethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Dichlorodifluoromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Ethyl Acetate	ND	51	1	B2C0952	03/04/2022	03/04/22 22:50	
Ethyl Ether	ND	51	1	B2C0952	03/04/2022	03/04/22 22:50	
Ethyl tert-butyl ether	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Ethylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Freon-113	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Hexachlorobutadiene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Isopropylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
m,p-Xylene	ND	10	1	B2C0952	03/04/2022	03/04/22 22:50	
Methylene chloride	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
MTBE	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
n-Butylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
n-Propylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Naphthalene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
o-Xylene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
sec-Butylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Styrene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
tert-Amyl methyl ether	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
tert-Butanol	ND	100	1	B2C0952	03/04/2022	03/04/22 22:50	
tert-Butylbenzene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Tetrachloroethene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Toluene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
trans-1,2-Dichloroethene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
trans-1,3-Dichloropropene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Trichloroethene	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
Trichlorofluoromethane	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-4-5.5**  
**Lab ID: 2200261-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	51	1	B2C0952	03/04/2022	03/04/22 22:50	
Vinyl chloride	ND	5.1	1	B2C0952	03/04/2022	03/04/22 22:50	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>119 %</i>	<i>66 - 200</i>		B2C0952	03/04/2022	<i>03/04/22 22:50</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.6 %</i>	<i>50 - 146</i>		B2C0952	03/04/2022	<i>03/04/22 22:50</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>120 %</i>	<i>77 - 159</i>		B2C0952	03/04/2022	<i>03/04/22 22:50</i>	
<i>Surrogate: Toluene-d8</i>	<i>99.0 %</i>	<i>81 - 128</i>		B2C0952	03/04/2022	<i>03/04/22 22:50</i>	

**Client Sample ID: 62-8-6-1**  
**Lab ID: 2200261-09**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
<b>Barium</b>	<b>82</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
<b>Beryllium</b>	<b>3.1</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
<b>Cobalt</b>	<b>5.2</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
<b>Copper</b>	<b>10</b>	2.0	1	B2C0882	03/02/2022	03/02/22 16:36	
<b>Lead</b>	<b>3.0</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
<b>Nickel</b>	<b>5.6</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
<b>Selenium</b>	<b>1.5</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
<b>Silver</b>	<b>6.1</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	
<b>Zinc</b>	<b>34</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:36	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-6-5.5**  
**Lab ID: 2200261-10**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C0896	03/02/2022	03/02/22 22:39	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>81.7 %</i>	<i>47.6 - 121.18</i>		B2C0896	03/02/2022	03/02/22 22:39	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 16:38	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 16:38	
<i>Surrogate: p-Terphenyl</i>	<i>105 %</i>	<i>62 - 141</i>		B2C0885	03/01/2022	03/02/22 16:38	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1,1-Trichloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1,2-Trichloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1-Dichloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1-Dichloroethene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,1-Dichloropropene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2,3-Trichloropropane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2-Dibromoethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2-Dichlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2-Dichloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,2-Dichloropropane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,3-Dichlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,3-Dichloropropane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
1,4-Dichlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
2,2-Dichloropropane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
2-Chlorotoluene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
4-Chlorotoluene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
4-Isopropyltoluene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Benzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Bromobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-8-6-5.5**

**Lab ID: 2200261-10**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Bromodichloromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Bromoform	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Bromomethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Carbon disulfide	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Carbon tetrachloride	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Chlorobenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Chloroethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Chloroform	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Chloromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
cis-1,2-Dichloroethene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
cis-1,3-Dichloropropene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Di-isopropyl ether	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Dibromochloromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Dibromomethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Dichlorodifluoromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Ethyl Acetate	ND	45	1	B2C0952	03/04/2022	03/04/22 23:15	
Ethyl Ether	ND	45	1	B2C0952	03/04/2022	03/04/22 23:15	
Ethyl tert-butyl ether	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Ethylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Freon-113	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Hexachlorobutadiene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Isopropylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
m,p-Xylene	ND	9.1	1	B2C0952	03/04/2022	03/04/22 23:15	
Methylene chloride	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
MTBE	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
n-Butylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
n-Propylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Naphthalene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
o-Xylene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
sec-Butylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Styrene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
tert-Amyl methyl ether	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
tert-Butanol	ND	91	1	B2C0952	03/04/2022	03/04/22 23:15	
tert-Butylbenzene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Tetrachloroethene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Toluene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
trans-1,2-Dichloroethene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
trans-1,3-Dichloropropene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Trichloroethene	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
Trichlorofluoromethane	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-8-6-5.5**

**Lab ID: 2200261-10**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	45	1	B2C0952	03/04/2022	03/04/22 23:15	
Vinyl chloride	ND	4.5	1	B2C0952	03/04/2022	03/04/22 23:15	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>121 %</i>	<i>66 - 200</i>		B2C0952	03/04/2022	<i>03/04/22 23:15</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.8 %</i>	<i>50 - 146</i>		B2C0952	03/04/2022	<i>03/04/22 23:15</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>119 %</i>	<i>77 - 159</i>		B2C0952	03/04/2022	<i>03/04/22 23:15</i>	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>81 - 128</i>		B2C0952	03/04/2022	<i>03/04/22 23:15</i>	

**Client Sample ID: 62-8-5-1**

**Lab ID: 2200261-11**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Arsenic	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
<b>Barium</b>	<b>78</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
<b>Beryllium</b>	<b>2.8</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Cadmium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
<b>Cobalt</b>	<b>4.7</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
<b>Copper</b>	<b>9.2</b>	2.0	1	B2C0882	03/02/2022	03/02/22 16:38	
<b>Lead</b>	<b>2.8</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Molybdenum	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
<b>Nickel</b>	<b>5.0</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
<b>Selenium</b>	<b>1.0</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
<b>Silver</b>	<b>5.5</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
Thallium	ND	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
<b>Vanadium</b>	<b>30</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	
<b>Zinc</b>	<b>31</b>	1.0	1	B2C0882	03/02/2022	03/02/22 16:38	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-5-5.5**  
**Lab ID: 2200261-12**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C0896	03/02/2022	03/02/22 23:04	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>81.7 %</i>	<i>47.6 - 121.18</i>		B2C0896	03/02/2022	03/02/22 23:04	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0885	03/01/2022	03/02/22 16:59	
C23-C32	ND	10	1	B2C0885	03/01/2022	03/02/22 16:59	
<i>Surrogate: p-Terphenyl</i>	<i>132 %</i>	<i>62 - 141</i>		B2C0885	03/01/2022	03/02/22 16:59	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: JV

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1,1-Trichloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1,2,2-Tetrachloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1,2-Trichloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1-Dichloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1-Dichloroethene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,1-Dichloropropene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2,3-Trichloropropane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2,3-Trichlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2,4-Trichlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2,4-Trimethylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2-Dibromo-3-chloropropane	ND	12	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2-Dibromoethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2-Dichlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2-Dichloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,2-Dichloropropane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,3,5-Trimethylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,3-Dichlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,3-Dichloropropane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
1,4-Dichlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
2,2-Dichloropropane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
2-Chlorotoluene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
4-Chlorotoluene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
4-Isopropyltoluene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Benzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Bromobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	



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Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-5-5.5**  
**Lab ID: 2200261-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Bromodichloromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Bromoform	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Bromomethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Carbon disulfide	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Carbon tetrachloride	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Chlorobenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Chloroethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Chloroform	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Chloromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
cis-1,2-Dichloroethene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
cis-1,3-Dichloropropene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Di-isopropyl ether	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Dibromochloromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Dibromomethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Dichlorodifluoromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Ethyl Acetate	ND	59	1	B2C0952	03/04/2022	03/04/22 23:39	
Ethyl Ether	ND	59	1	B2C0952	03/04/2022	03/04/22 23:39	
Ethyl tert-butyl ether	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Ethylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Freon-113	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Hexachlorobutadiene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Isopropylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
m,p-Xylene	ND	12	1	B2C0952	03/04/2022	03/04/22 23:39	
Methylene chloride	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
MTBE	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
n-Butylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
n-Propylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Naphthalene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
o-Xylene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
sec-Butylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Styrene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
tert-Amyl methyl ether	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
tert-Butanol	ND	120	1	B2C0952	03/04/2022	03/04/22 23:39	
tert-Butylbenzene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Tetrachloroethene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Toluene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
trans-1,2-Dichloroethene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
trans-1,3-Dichloropropene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Trichloroethene	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
Trichlorofluoromethane	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	





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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-8-5-5.5**  
**Lab ID: 2200261-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: JV**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	59	1	B2C0952	03/04/2022	03/04/22 23:39	
Vinyl chloride	ND	5.9	1	B2C0952	03/04/2022	03/04/22 23:39	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>121 %</i>	<i>66 - 200</i>		B2C0952	03/04/2022	<i>03/04/22 23:39</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.8 %</i>	<i>50 - 146</i>		B2C0952	03/04/2022	<i>03/04/22 23:39</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>120 %</i>	<i>77 - 159</i>		B2C0952	03/04/2022	<i>03/04/22 23:39</i>	
<i>Surrogate: Toluene-d8</i>	<i>105 %</i>	<i>81 - 128</i>		B2C0952	03/04/2022	<i>03/04/22 23:39</i>	



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### QUALITY CONTROL SECTION

#### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0882 - EPA 3050B\_S**

**Blank (B2C0882-BLK1)**

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

**LCS (B2C0882-BS1)**

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	23.8932	2.0	0.51	25.0000	95.6	80 - 120
Arsenic	24.4616	1.0	0.12	25.0000	97.8	80 - 120
Barium	23.5601	1.0	0.12	25.0000	94.2	80 - 120
Beryllium	25.8191	1.0	0.03	25.0100	103	80 - 120
Cadmium	24.8226	1.0	0.14	25.0000	99.3	80 - 120
Chromium	25.1925	1.0	0.26	25.0000	101	80 - 120
Cobalt	25.9262	1.0	0.07	25.0000	104	80 - 120
Copper	24.9652	2.0	0.19	25.0000	99.9	80 - 120
Lead	24.7393	1.0	0.18	25.0000	99.0	80 - 120
Molybdenum	25.1988	1.0	0.12	25.0000	101	80 - 120
Nickel	24.8419	1.0	0.18	25.0000	99.4	80 - 120
Selenium	24.9699	1.0	0.40	25.0000	99.9	80 - 120
Silver	11.8814	1.0	0.12	12.5000	95.1	80 - 120
Thallium	24.6595	1.0	0.38	25.0000	98.6	80 - 120
Vanadium	24.8801	1.0	0.06	25.0000	99.5	80 - 120
Zinc	24.5317	1.0	0.15	25.0000	98.1	80 - 120

**Matrix Spike (B2C0882-MS1)**

Source: 2200249-04

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	16.1514	2.0	0.51	25.0000	0.565071	62.3	0 - 102
Arsenic	26.5704	1.0	0.12	25.0000	4.09008	89.9	55 - 117
Barium	92.6840	1.0	0.12	25.0000	65.5182	109	11 - 177
Beryllium	21.9747	1.0	0.03	25.0100	0.878282	84.4	64 - 115
Cadmium	23.5439	1.0	0.14	25.0000	0.300122	93.0	62 - 116
Chromium	34.7110	1.0	0.26	25.0000	11.4053	93.2	42 - 145



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## Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2C0882 - EPA 3050B\_S (continued)

#### Matrix Spike (B2C0882-MS1) - Continued

Source: 2200249-04

Prepared: 3/1/2022 Analyzed: 3/2/2022

Cobalt	27.7624	1.0	0.07	25.0000	3.65825	96.4	60 - 126			
Copper	33.4537	2.0	0.19	25.0000	8.52801	99.7	37 - 163			
Lead	29.4408	1.0	0.18	25.0000	6.41400	92.1	26 - 161			
Molybdenum	23.3248	1.0	0.12	25.0000	0.289084	92.1	31 - 122			
Nickel	26.3721	1.0	0.18	25.0000	5.08547	85.1	52 - 130			
Selenium	24.8444	1.0	0.40	25.0000	1.71271	92.5	25 - 129			
Silver	11.1002	1.0	0.12	12.5000	0.903274	81.6	48 - 133			
Thallium	22.3119	1.0	0.38	25.0000	ND	89.2	25 - 119			
Vanadium	40.7877	1.0	0.06	25.0000	15.9117	99.5	51 - 141			
Zinc	99.7776	1.0	0.15	25.0000	85.8255	55.8	8 - 170			

#### Matrix Spike Dup (B2C0882-MSD1)

Source: 2200249-04

Prepared: 3/1/2022 Analyzed: 3/2/2022

Antimony	16.5732	2.0	0.51	25.0000	0.565071	64.0	0 - 102	2.58	20	
Arsenic	26.9077	1.0	0.12	25.0000	4.09008	91.3	55 - 117	1.26	20	
Barium	93.7386	1.0	0.12	25.0000	65.5182	113	11 - 177	1.13	20	
Beryllium	22.6561	1.0	0.03	25.0100	0.878282	87.1	64 - 115	3.05	20	
Cadmium	24.4692	1.0	0.14	25.0000	0.300122	96.7	62 - 116	3.85	20	
Chromium	35.2368	1.0	0.26	25.0000	11.4053	95.3	42 - 145	1.50	20	
Cobalt	28.6209	1.0	0.07	25.0000	3.65825	99.9	60 - 126	3.05	20	
Copper	33.2781	2.0	0.19	25.0000	8.52801	99.0	37 - 163	0.526	20	
Lead	30.2729	1.0	0.18	25.0000	6.41400	95.4	26 - 161	2.79	20	
Molybdenum	23.9582	1.0	0.12	25.0000	0.289084	94.7	31 - 122	2.68	20	
Nickel	26.8926	1.0	0.18	25.0000	5.08547	87.2	52 - 130	1.95	20	
Selenium	25.5501	1.0	0.40	25.0000	1.71271	95.3	25 - 129	2.80	20	
Silver	11.2352	1.0	0.12	12.5000	0.903274	82.7	48 - 133	1.21	20	
Thallium	22.6650	1.0	0.38	25.0000	ND	90.7	25 - 119	1.57	20	
Vanadium	41.1981	1.0	0.06	25.0000	15.9117	101	51 - 141	1.00	20	
Zinc	101.751	1.0	0.15	25.0000	85.8255	63.7	8 - 170	1.96	20	



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Reported : 03/08/2022

## Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C0888 - EPA 7471_S</b>										
<b>Blank (B2C0888-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 3/1/2022 Analyzed: 3/3/2022
<b>LCS (B2C0888-BS1)</b>										
Mercury	0.418319	0.10	0.01	0.416667		100	80 - 120			Prepared: 3/1/2022 Analyzed: 3/3/2022
<b>Matrix Spike (B2C0888-MS1)</b>										
Mercury	0.527309	0.10	0.01	0.416667	0.051047	114	70 - 130			Source: 2200255-03 Prepared: 3/1/2022 Analyzed: 3/3/2022
<b>Matrix Spike Dup (B2C0888-MSD1)</b>										
Mercury	0.529048	0.10	0.01	0.416667	0.051047	115	70 - 130	0.329	20	Source: 2200255-03 Prepared: 3/1/2022 Analyzed: 3/3/2022



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## Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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### Batch B2C0888 - EPA 7471\_S

#### Post Spike (B2C0888-PS1)

Source: 2200255-03

Prepared: 3/1/2022 Analyzed: 3/3/2022

Mercury	6.4375E-3		5.00000E-3	0.000613	116	85 - 115			M2
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Project Number : Ontario Airport / 5925

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Reported : 03/08/2022

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0896 - GCVOA_S</b>									
<b>Blank (B2C0896-BLK1)</b>					Prepared: 3/2/2022 Analyzed: 3/2/2022				
C4-C12	ND	1.0	0.13						
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.5731</i>			<i>0.800000</i>		<i>71.6    47.6 - 121.18</i>			
<b>LCS (B2C0896-BS1)</b>					Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	4.97000	1.0	0.13	5.00000		99.4    58.69 - 124.0 <sup>4</sup>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6799</i>			<i>0.800000</i>		<i>85.0    47.6 - 121.18</i>			
<b>LCS Dup (B2C0896-BSD1)</b>					Prepared: 3/2/2022 Analyzed: 3/2/2022				
Gasoline Range Organics	4.79700	1.0	0.13	5.00000		95.9    58.69 - 124.0 <sup>4</sup>	3.54	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6481</i>			<i>0.800000</i>		<i>81.0    47.6 - 121.18</i>			



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### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C0885 - GCSEMI_DRO_S</b>										
<b>Blank (B2C0885-BLK1)</b>										
						Prepared: 3/1/2022 Analyzed: 3/2/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<hr/>										
<i>Surrogate: p-Terphenyl</i>	88.11			80.0000		110	62 - 141			
<b>LCS (B2C0885-BS1)</b>										
						Prepared: 3/1/2022 Analyzed: 3/2/2022				
DRO	1017.62	10	3.6	1000.00		102	56 - 139			
<hr/>										
<i>Surrogate: p-Terphenyl</i>	89.73			80.0000		112	62 - 141			
<b>Matrix Spike (B2C0885-MS1)</b>										
						Source: 2200256-04 Prepared: 3/1/2022 Analyzed: 3/2/2022				
DRO	1022.82	10	3.6	1000.00	5.99000	102	38 - 161			
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<i>Surrogate: p-Terphenyl</i>	88.14			80.0000		110	62 - 141			
<b>Matrix Spike Dup (B2C0885-MSD1)</b>										
						Source: 2200256-04 Prepared: 3/1/2022 Analyzed: 3/2/2022				
DRO	1002.83	10	3.6	1000.00	5.99000	99.7	38 - 161	1.97	20	
<hr/>										
<i>Surrogate: p-Terphenyl</i>	88.15			80.0000		110	62 - 141			



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0952 - MSVOA\_S**

**Blank (B2C0952-BLK1)**

Prepared: 3/4/2022 Analyzed: 3/4/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52
1,1,1-Trichloroethane	ND	5.0	0.26
1,1,2,2-Tetrachloroethane	ND	5.0	0.21
1,1,2-Trichloroethane	ND	5.0	0.40
1,1-Dichloroethane	ND	5.0	1.4
1,1-Dichloroethene	ND	5.0	1.9
1,1-Dichloropropene	ND	5.0	0.54
1,2,3-Trichloropropane	ND	5.0	0.40
1,2,3-Trichlorobenzene	ND	5.0	0.83
1,2,4-Trichlorobenzene	ND	5.0	0.80
1,2,4-Trimethylbenzene	ND	5.0	0.91
1,2-Dibromo-3-chloropropane	ND	10	1.1
1,2-Dibromoethane	ND	5.0	0.40
1,2-Dichlorobenzene	ND	5.0	0.21
1,2-Dichloroethane	ND	5.0	0.50
1,2-Dichloropropane	ND	5.0	0.46
1,3,5-Trimethylbenzene	ND	5.0	0.70
1,3-Dichlorobenzene	ND	5.0	0.36
1,3-Dichloropropane	ND	5.0	0.49
1,4-Dichlorobenzene	ND	5.0	0.27
2,2-Dichloropropane	ND	5.0	0.28
2-Chlorotoluene	ND	5.0	0.53
4-Chlorotoluene	ND	5.0	0.40
4-Isopropyltoluene	ND	5.0	0.81
Benzene	ND	5.0	0.36
Bromobenzene	ND	5.0	0.62
Bromochloromethane	ND	5.0	0.30
Bromodichloromethane	ND	5.0	0.52
Bromoform	ND	5.0	1.4
Bromomethane	ND	5.0	2.5
Carbon disulfide	ND	5.0	0.94
Carbon tetrachloride	ND	5.0	0.73
Chlorobenzene	ND	5.0	0.42
Chloroethane	ND	5.0	1.5
Chloroform	ND	5.0	0.24
Chloromethane	ND	5.0	1.1
cis-1,2-Dichloroethene	ND	5.0	0.20
cis-1,3-Dichloropropene	ND	5.0	0.39
Di-isopropyl ether	ND	5.0	1.9
Dibromochloromethane	ND	5.0	0.81
Dibromomethane	ND	5.0	0.23
Dichlorodifluoromethane	ND	5.0	0.14
Ethyl Acetate	ND	50	7.0
Ethyl Ether	ND	50	17
Ethyl tert-butyl ether	ND	5.0	0.85





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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0952 - MSVOA\_S (continued)**

**Blank (B2C0952-BLK1) - Continued**

Prepared: 3/4/2022 Analyzed: 3/4/2022

Ethylbenzene	ND	5.0	0.43
Freon-113	ND	5.0	1.3
Hexachlorobutadiene	ND	5.0	0.40
Isopropylbenzene	ND	5.0	0.79
m,p-Xylene	ND	10	0.98
Methylene chloride	ND	5.0	2.2
MTBE	ND	5.0	0.81
n-Butylbenzene	ND	5.0	1.2
n-Propylbenzene	ND	5.0	0.78
Naphthalene	ND	5.0	1.1
o-Xylene	ND	5.0	0.67
sec-Butylbenzene	ND	5.0	0.63
Styrene	ND	5.0	0.45
tert-Amyl methyl ether	ND	5.0	1.1
tert-Butanol	ND	100	11
tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	53.19		50.0000	106	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	49.33		50.0000	98.7	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	59.22		50.0000	118	77 - 159
<i>Surrogate: Toluene-d8</i>	50.35		50.0000	101	81 - 128

**LCS (B2C0952-BS1)**

Prepared: 3/4/2022 Analyzed: 3/4/2022

1,1,1,2-Tetrachloroethane	48.4000	5.0	0.52	50.0000	96.8	84 - 123
1,1,1-Trichloroethane	61.9300	5.0	0.26	50.0000	124	78 - 133
1,1,2,2-Tetrachloroethane	51.4400	5.0	0.21	50.0000	103	63 - 127
1,1,2-Trichloroethane	52.7900	5.0	0.40	50.0000	106	80 - 125
1,1-Dichloroethane	58.6000	5.0	1.4	50.0000	117	77 - 128
1,1-Dichloroethene	57.4400	5.0	1.9	50.0000	115	69 - 138
1,1-Dichloropropene	52.5300	5.0	0.54	50.0000	105	80 - 133
1,2,3-Trichloropropane	48.7700	5.0	0.40	50.0000	97.5	74 - 123
1,2,3-Trichlorobenzene	48.8200	5.0	0.83	50.0000	97.6	79 - 133
1,2,4-Trichlorobenzene	50.5100	5.0	0.80	50.0000	101	73 - 131
1,2,4-Trimethylbenzene	48.1800	5.0	0.91	50.0000	96.4	86 - 137
1,2-Dibromo-3-chloropropane	49.3400	10	1.1	50.0000	98.7	62 - 127
1,2-Dibromoethane	54.8500	5.0	0.40	50.0000	110	83 - 126
1,2-Dichlorobenzene	48.9800	5.0	0.21	50.0000	98.0	83 - 123
1,2-Dichloroethane	51.4200	5.0	0.50	50.0000	103	76 - 128



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0952 - MSVOA\_S (continued)**

**LCS (B2C0952-BS1) - Continued**

Prepared: 3/4/2022 Analyzed: 3/4/2022

1,2-Dichloropropane	52.6100	5.0	0.46	50.0000		105	77 - 121		
1,3,5-Trimethylbenzene	47.9900	5.0	0.70	50.0000		96.0	84 - 135		
1,3-Dichlorobenzene	48.0400	5.0	0.36	50.0000		96.1	81 - 126		
1,3-Dichloropropane	50.8700	5.0	0.49	50.0000		102	80 - 118		
1,4-Dichlorobenzene	48.5500	5.0	0.27	50.0000		97.1	80 - 124		
2,2-Dichloropropane	59.1100	5.0	0.28	50.0000		118	72 - 135		
2-Chlorotoluene	49.0300	5.0	0.53	50.0000		98.1	81 - 127		
4-Chlorotoluene	49.1700	5.0	0.40	50.0000		98.3	83 - 127		
4-Isopropyltoluene	48.6300	5.0	0.81	50.0000		97.3	82 - 143		
Benzene	54.8300	5.0	0.36	50.0000		110	84 - 123		
Bromobenzene	48.9300	5.0	0.62	50.0000		97.9	80 - 122		
Bromochloromethane	61.2800	5.0	0.30	50.0000		123	83 - 127		
Bromodichloromethane	55.8400	5.0	0.52	50.0000		112	82 - 123		
Bromoform	49.4000	5.0	1.4	50.0000		98.8	80 - 132		
Bromomethane	56.9500	5.0	2.5	50.0000		114	67 - 176		
Carbon disulfide	39.7100	5.0	0.94	50.0000		79.4	75 - 138		
Carbon tetrachloride	52.8300	5.0	0.73	50.0000		106	76 - 131		
Chlorobenzene	49.9300	5.0	0.42	50.0000		99.9	84 - 119		
Chloroethane	67.1700	5.0	1.5	50.0000		134	56 - 170		
Chloroform	60.0800	5.0	0.24	50.0000		120	78 - 129		
Chloromethane	49.8200	5.0	1.1	50.0000		99.6	63 - 141		
cis-1,2-Dichloroethene	49.2700	5.0	0.20	50.0000		98.5	83 - 125		
cis-1,3-Dichloropropene	52.6400	5.0	0.39	50.0000		105	76 - 129		
Di-isopropyl ether	57.7600	5.0	1.9	50.0000		116	73 - 132		
Dibromochloromethane	51.0700	5.0	0.81	50.0000		102	81 - 120		
Dibromomethane	54.9300	5.0	0.23	50.0000		110	79 - 124		
Dichlorodifluoromethane	46.7900	5.0	0.14	50.0000		93.6	18 - 199		
Ethyl Acetate	45.7300	50	7.0	500.000		9.15	76 - 138		MO
Ethyl Ether	531.350	50	17	500.000		106	74 - 128		
Ethyl tert-butyl ether	58.5700	5.0	0.85	50.0000		117	50 - 175		
Ethylbenzene	50.3400	5.0	0.43	50.0000		101	86 - 130		
Freon-113	50.7300	5.0	1.3	50.0000		101	66 - 132		
Hexachlorobutadiene	49.8000	5.0	0.40	50.0000		99.6	64 - 135		
Isopropylbenzene	50.2900	5.0	0.79	50.0000		101	80 - 133		
m,p-Xylene	96.8700	10	0.98	100.000		96.9	89 - 133		
Methylene chloride	62.1000	5.0	2.2	50.0000		124	72 - 143		
MTBE	59.9200	5.0	0.81	50.0000		120	73 - 136		
n-Butylbenzene	48.9200	5.0	1.2	50.0000		97.8	76 - 144		
n-Propylbenzene	48.2000	5.0	0.78	50.0000		96.4	81 - 136		
Naphthalene	50.1700	5.0	1.1	50.0000		100	64 - 128		
o-Xylene	50.9700	5.0	0.67	50.0000		102	82 - 134		
sec-Butylbenzene	49.0100	5.0	0.63	50.0000		98.0	81 - 138		
Styrene	48.1300	5.0	0.45	50.0000		96.3	79 - 152		
tert-Amyl methyl ether	61.1400	5.0	1.1	50.0000		122	48 - 166		
tert-Butanol	265.670	100	11	250.000		106	48 - 148		



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925

Report To : Josh Voss

Reported : 03/08/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0952 - MSVOA_S (continued)</b>										
<b>LCS (B2C0952-BS1) - Continued</b>										
						Prepared: 3/4/2022 Analyzed: 3/4/2022				
tert-Butylbenzene	48.2300	5.0	0.80	50.0000		96.5	81 - 135			
Tetrachloroethene	50.1100	5.0	0.31	50.0000		100	75 - 127			
Toluene	55.3500	5.0	0.27	50.0000		111	88 - 130			
trans-1,2-Dichloroethene	75.1600	5.0	0.56	50.0000		150	79 - 127			L5
trans-1,3-Dichloropropene	51.5500	5.0	0.59	50.0000		103	80 - 130			
Trichloroethene	55.6500	5.0	0.32	50.0000		111	83 - 126			
Trichlorofluoromethane	62.8200	5.0	1.0	50.0000		126	62 - 143			
Vinyl acetate	45.9300	50	6.0	500.000		9.19	69 - 150			MO
Vinyl chloride	56.7900	5.0	0.92	50.0000		114	69 - 140			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.66</i>			<i>50.0000</i>		<i>105</i>	<i>66 - 200</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>50.69</i>			<i>50.0000</i>		<i>101</i>	<i>50 - 146</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>59.30</i>			<i>50.0000</i>		<i>119</i>	<i>77 - 159</i>			
<i>Surrogate: Toluene-d8</i>	<i>50.50</i>			<i>50.0000</i>		<i>101</i>	<i>81 - 128</i>			

<b>LCS Dup (B2C0952-BSD1)</b>										
						Prepared: 3/4/2022 Analyzed: 3/4/2022				
1,1,1,2-Tetrachloroethane	47.0800	5.0	0.52	50.0000		94.2	84 - 123	2.76	20	
1,1,1-Trichloroethane	60.3400	5.0	0.26	50.0000		121	78 - 133	2.60	20	
1,1,2,2-Tetrachloroethane	52.5400	5.0	0.21	50.0000		105	63 - 127	2.12	20	
1,1,2-Trichloroethane	52.5400	5.0	0.40	50.0000		105	80 - 125	0.475	20	
1,1-Dichloroethane	57.6500	5.0	1.4	50.0000		115	77 - 128	1.63	20	
1,1-Dichloroethene	56.4600	5.0	1.9	50.0000		113	69 - 138	1.72	20	
1,1-Dichloropropene	50.5000	5.0	0.54	50.0000		101	80 - 133	3.94	20	
1,2,3-Trichloropropane	47.6800	5.0	0.40	50.0000		95.4	74 - 123	2.26	20	
1,2,3-Trichlorobenzene	50.7900	5.0	0.83	50.0000		102	79 - 133	3.96	20	
1,2,4-Trichlorobenzene	50.6500	5.0	0.80	50.0000		101	73 - 131	0.277	20	
1,2,4-Trimethylbenzene	48.9300	5.0	0.91	50.0000		97.9	86 - 137	1.54	20	
1,2-Dibromo-3-chloropropane	49.7200	10	1.1	50.0000		99.4	62 - 127	0.767	20	
1,2-Dibromoethane	54.2200	5.0	0.40	50.0000		108	83 - 126	1.16	20	
1,2-Dichlorobenzene	49.2500	5.0	0.21	50.0000		98.5	83 - 123	0.550	20	
1,2-Dichloroethane	50.8500	5.0	0.50	50.0000		102	76 - 128	1.11	20	
1,2-Dichloropropane	50.9500	5.0	0.46	50.0000		102	77 - 121	3.21	20	
1,3,5-Trimethylbenzene	47.2500	5.0	0.70	50.0000		94.5	84 - 135	1.55	20	
1,3-Dichlorobenzene	48.4200	5.0	0.36	50.0000		96.8	81 - 126	0.788	20	
1,3-Dichloropropane	50.8000	5.0	0.49	50.0000		102	80 - 118	0.138	20	
1,4-Dichlorobenzene	49.0500	5.0	0.27	50.0000		98.1	80 - 124	1.02	20	
2,2-Dichloropropane	58.0700	5.0	0.28	50.0000		116	72 - 135	1.78	20	
2-Chlorotoluene	48.7100	5.0	0.53	50.0000		97.4	81 - 127	0.655	20	
4-Chlorotoluene	48.8800	5.0	0.40	50.0000		97.8	83 - 127	0.592	20	
4-Isopropyltoluene	48.2100	5.0	0.81	50.0000		96.4	82 - 143	0.867	20	
Benzene	53.2700	5.0	0.36	50.0000		107	84 - 123	2.89	20	
Bromobenzene	50.5000	5.0	0.62	50.0000		101	80 - 122	3.16	20	
Bromochloromethane	62.0800	5.0	0.30	50.0000		124	83 - 127	1.30	20	
Bromodichloromethane	53.7800	5.0	0.52	50.0000		108	82 - 123	3.76	20	
Bromoform	48.1000	5.0	1.4	50.0000		96.2	80 - 132	2.67	20	
Bromomethane	55.5100	5.0	2.5	50.0000		111	67 - 176	2.56	20	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Josh Voss  
 Reported : 03/08/2022

## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0952 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C0952-BSD1) - Continued</b>						Prepared: 3/4/2022 Analyzed: 3/4/2022				
Carbon disulfide	38.9100	5.0	0.94	50.0000		77.8	75 - 138	2.04	20	
Carbon tetrachloride	50.3700	5.0	0.73	50.0000		101	76 - 131	4.77	20	
Chlorobenzene	48.4400	5.0	0.42	50.0000		96.9	84 - 119	3.03	20	
Chloroethane	63.6400	5.0	1.5	50.0000		127	56 - 170	5.40	20	
Chloroform	60.0800	5.0	0.24	50.0000		120	78 - 129	0.00	20	
Chloromethane	49.6500	5.0	1.1	50.0000		99.3	63 - 141	0.342	20	
cis-1,2-Dichloroethene	46.3900	5.0	0.20	50.0000		92.8	83 - 125	6.02	20	
cis-1,3-Dichloropropene	52.4300	5.0	0.39	50.0000		105	76 - 129	0.400	20	
Di-isopropyl ether	56.8800	5.0	1.9	50.0000		114	73 - 132	1.54	20	
Dibromochloromethane	48.3700	5.0	0.81	50.0000		96.7	81 - 120	5.43	20	
Dibromomethane	53.5800	5.0	0.23	50.0000		107	79 - 124	2.49	20	
Dichlorodifluoromethane	44.3000	5.0	0.14	50.0000		88.6	18 - 199	5.47	20	
Ethyl Acetate	19.3000	50	7.0	500.000		3.86	76 - 138	81.3	20	MO, R
Ethyl Ether	538.650	50	17	500.000		108	74 - 128	1.36	20	
Ethyl tert-butyl ether	60.1000	5.0	0.85	50.0000		120	50 - 175	2.58	20	
Ethylbenzene	48.4900	5.0	0.43	50.0000		97.0	86 - 130	3.74	20	
Freon-113	50.7700	5.0	1.3	50.0000		102	66 - 132	0.0788	20	
Hexachlorobutadiene	50.0200	5.0	0.40	50.0000		100	64 - 135	0.441	20	
Isopropylbenzene	49.9100	5.0	0.79	50.0000		99.8	80 - 133	0.758	20	
m,p-Xylene	94.6700	10	0.98	100.000		94.7	89 - 133	2.30	20	
Methylene chloride	61.0800	5.0	2.2	50.0000		122	72 - 143	1.66	20	
MTBE	60.0000	5.0	0.81	50.0000		120	73 - 136	0.133	20	
n-Butylbenzene	48.0500	5.0	1.2	50.0000		96.1	76 - 144	1.79	20	
n-Propylbenzene	46.8700	5.0	0.78	50.0000		93.7	81 - 136	2.80	20	
Naphthalene	51.8200	5.0	1.1	50.0000		104	64 - 128	3.24	20	
o-Xylene	50.1600	5.0	0.67	50.0000		100	82 - 134	1.60	20	
sec-Butylbenzene	48.8800	5.0	0.63	50.0000		97.8	81 - 138	0.266	20	
Styrene	47.4500	5.0	0.45	50.0000		94.9	79 - 152	1.42	20	
tert-Amyl methyl ether	62.7100	5.0	1.1	50.0000		125	48 - 166	2.54	20	
tert-Butanol	269.320	100	11	250.000		108	48 - 148	1.36	20	
tert-Butylbenzene	49.1100	5.0	0.80	50.0000		98.2	81 - 135	1.81	20	
Tetrachloroethene	48.1000	5.0	0.31	50.0000		96.2	75 - 127	4.09	20	
Toluene	52.1800	5.0	0.27	50.0000		104	88 - 130	5.90	20	
trans-1,2-Dichloroethene	75.6400	5.0	0.56	50.0000		151	79 - 127	0.637	20	L5
trans-1,3-Dichloropropene	48.5500	5.0	0.59	50.0000		97.1	80 - 130	5.99	20	
Trichloroethene	52.2100	5.0	0.32	50.0000		104	83 - 126	6.38	20	
Trichlorofluoromethane	62.6800	5.0	1.0	50.0000		125	62 - 143	0.223	20	
Vinyl acetate	24.5700	50	6.0	500.000		4.91	69 - 150	60.6	20	MO, R
Vinyl chloride	56.8300	5.0	0.92	50.0000		114	69 - 140	0.0704	20	

Surrogate: 1,2-Dichloroethane-d4	53.85			50.0000		108	66 - 200			
Surrogate: 4-Bromofluorobenzene	50.36			50.0000		101	50 - 146			
Surrogate: Dibromofluoromethane	59.52			50.0000		119	77 - 159			
Surrogate: Toluene-d8	50.53			50.0000		101	81 - 128			

2200261

40°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		PROJECT NAME: Ontario Airport		PROJECT NO.: 5925															
TEL: (949) 679-1070		PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel															
E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		GLOBAL ID:		SAMPLER(S): (PRINT) Tiam Novin / Josh Voss															
LABORATORY: Advanced Technology Laboratories		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.																	
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 48 HR <input checked="" type="checkbox"/> STANDARD																			
SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32																			
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	PRESERVATION			T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCs 8081A	Herbicides 8051		
		DATE	TIME			Unpreserved	Preserved	Field Filtered											
1	62-8-1-1	2/28/22	0903	Soil	1	1			X										
2	62-8-1-5.5		0925		5	1	4		X	X	X								
3	62-8-2-1		1018		1	1	4		X	X	X								
4	62-8-2-5.5		1055		5	1	4		X	X	X								
5	62-8-3-1		1112		1	1	4		X										
6	62-8-3-5.5		1140		5	1	4		X	X	X								
7	62-8-4-1		1214		1	1	4		X										
8	62-8-4-5.5		1248		5	1	4		X	X	X								
9	62-8-6-1		1318		1	1	4		X										
10	62-8-6-5.5		1338		5	1	4		X	X	X								
11	62-8-5-1		1405		1	1	4		X										
12	62-8-5-5.5		1425		5	1	4		X	X	X								
13	EB-1-20220228		1440	Water	5	1	4												
14	TB-20220228		1445	Water	4														
Relinquished by: (Signature)		DATE		TIME		RECEIVED BY: (Signature)		DATE		TIME		RECEIVED BY: (Signature)		DATE		TIME		RECEIVED BY: (Signature)	
[Signature]		2/28/22		15:10		[Signature]		2/28/22		16:50		[Signature]		2/28/22		16:50		[Signature]	

March 08, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200272  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 01, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Christine Caballero, Client Relations Manager  
[Christine.Caballero@atlglobal.com](mailto:Christine.Caballero@atlglobal.com)

Authorized to Release on 03/08/22 21:10 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
62-9-1-1	2200272-01	Soil	3/01/22 9:00	3/01/22 18:58
62-9-1-6	2200272-02	Soil	3/01/22 9:15	3/01/22 18:58
62-9-1-15	2200272-03	Soil	3/01/22 9:22	3/01/22 18:58
62-9-2-1	2200272-04	Soil	3/01/22 9:58	3/01/22 18:58
62-9-2-5.5	2200272-05	Soil	3/01/22 10:15	3/01/22 18:58
62-9-3-1	2200272-06	Soil	3/01/22 10:45	3/01/22 18:58
62-9-3-6	2200272-07	Soil	3/01/22 11:00	3/01/22 18:58
62-9-4-1	2200272-08	Soil	3/01/22 11:35	3/01/22 18:58
62-9-4-5.5	2200272-09	Soil	3/01/22 11:50	3/01/22 18:58
62-2-3-1	2200272-10	Soil	3/01/22 13:00	3/01/22 18:58
62-2-3-6	2200272-11	Soil	3/01/22 13:15	3/01/22 18:58
62-2-1-1	2200272-12	Soil	3/01/22 13:42	3/01/22 18:58
62-2-1-6	2200272-13	Soil	3/01/22 13:55	3/01/22 18:58
TB-20220301	2200272-14	Water	3/01/22 14:15	3/01/22 18:58



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19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

## Notes and Definitions

S4	Surrogate was diluted out.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M6	Matrix spike analyte was diluted out.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
D10	Sample required dilution due to dark sample
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time	Notes
								Analyzed	
2200272-01	62-9-1-1	ND	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:26	
2200272-04	62-9-2-1	ND	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:39	
2200272-06	62-9-3-1	ND	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:42	
2200272-08	62-9-4-1	ND	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:45	
2200272-10	62-2-3-1	ND	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:48	
2200272-12	62-2-1-1	ND	mg/kg	0.10	1	B2C0905	03/03/2022	03/03/22 16:57	





# Certificate of Analysis

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19200 Von Karman Ave., Suite 800

Irvine , CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-9-1-1**

**Lab ID: 2200272-01**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
<b>Barium</b>	<b>110</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
<b>Beryllium</b>	<b>3.4</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
<b>Chromium</b>	<b>17</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
<b>Cobalt</b>	<b>5.1</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
<b>Copper</b>	<b>12</b>	2.0	1	B2C0904	03/03/2022	03/03/22 14:12	
<b>Lead</b>	<b>3.4</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
<b>Nickel</b>	<b>6.6</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
<b>Selenium</b>	<b>1.9</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
<b>Silver</b>	<b>6.7</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
<b>Vanadium</b>	<b>39</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	
<b>Zinc</b>	<b>43</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:12	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

Client Sample ID: 62-9-1-6

Lab ID: 2200272-02

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C0948	03/07/2022	03/07/22 15:52	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.2 %</i>	<i>47.6 - 121.18</i>		B2C0948	03/07/2022	03/07/22 15:52	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 18:57	
<b>C23-C32</b>	<b>11</b>	10	1	B2C0911	03/02/2022	03/02/22 18:57	
<i>Surrogate: p-Terphenyl</i>	<i>94.3 %</i>	<i>62 - 141</i>		B2C0911	03/02/2022	03/02/22 18:57	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1,1-Trichloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1,2,2-Tetrachloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1,2-Trichloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1-Dichloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1-Dichloroethene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,1-Dichloropropene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2,3-Trichloropropane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2,3-Trichlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2,4-Trichlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2,4-Trimethylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2-Dibromoethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2-Dichlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2-Dichloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,2-Dichloropropane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,3,5-Trimethylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,3-Dichlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,3-Dichloropropane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
1,4-Dichlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
2,2-Dichloropropane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
2-Chlorotoluene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
4-Chlorotoluene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
4-Isopropyltoluene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Benzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-1-6**

**Lab ID: 2200272-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Bromochloromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Bromodichloromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Bromoform	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Bromomethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Carbon disulfide	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Carbon tetrachloride	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Chlorobenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Chloroethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Chloroform	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Chloromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
cis-1,2-Dichloroethene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
cis-1,3-Dichloropropene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Di-isopropyl ether	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Dibromochloromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Dibromomethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Dichlorodifluoromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Ethyl Acetate	ND	57	1	B2C0978	03/07/2022	03/07/22 16:27	
Ethyl Ether	ND	57	1	B2C0978	03/07/2022	03/07/22 16:27	
Ethyl tert-butyl ether	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Ethylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Freon-113	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Hexachlorobutadiene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Isopropylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
m,p-Xylene	ND	11	1	B2C0978	03/07/2022	03/07/22 16:27	
Methylene chloride	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
MTBE	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
n-Butylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
n-Propylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Naphthalene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
o-Xylene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
sec-Butylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Styrene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
tert-Amyl methyl ether	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
tert-Butanol	ND	110	1	B2C0978	03/07/2022	03/07/22 16:27	
tert-Butylbenzene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Tetrachloroethene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Toluene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
trans-1,2-Dichloroethene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
trans-1,3-Dichloropropene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-1-6**

**Lab ID: 2200272-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Trichlorofluoromethane	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
Vinyl acetate	ND	57	1	B2C0978	03/07/2022	03/07/22 16:27	
Vinyl chloride	ND	5.7	1	B2C0978	03/07/2022	03/07/22 16:27	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>127 %</i>	<i>66 - 200</i>		B2C0978	03/07/2022	<i>03/07/22 16:27</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.9 %</i>	<i>50 - 146</i>		B2C0978	03/07/2022	<i>03/07/22 16:27</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>113 %</i>	<i>77 - 159</i>		B2C0978	03/07/2022	<i>03/07/22 16:27</i>	
<i>Surrogate: Toluene-d8</i>	<i>95.9 %</i>	<i>81 - 128</i>		B2C0978	03/07/2022	<i>03/07/22 16:27</i>	

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
1,2-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
1,3-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
1,4-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4,5-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4,6-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4-Dichlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4-Dimethylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4-Dinitrophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
2,4-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2,6-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Chloronaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Chlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Methylnaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
2-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
3,3'-Dichlorobenzidine	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
3-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
4,6-Dinitro-2-methylphenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Bromophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Chloro-3-methylphenol	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Chloroaniline	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Chlorophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
4-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-1-6**

**Lab ID: 2200272-02**

**Semivolatile Organic Compounds by EPA 8270C**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Acenaphthylene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzidine (M)	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzo(a)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzo(a)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzo(b)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzo(g,h,i)perylene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzo(k)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzoic acid	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
Benzyl alcohol	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
bis(2-chloroethoxy)methane	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
bis(2-Chloroethyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Butylbenzylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Chrysene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Di-n-butylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Di-n-octylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Dibenz(a,h)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Dibenzofuran	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Diethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Dimethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Fluorene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Hexachlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Hexachlorobutadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
Hexachlorocyclopentadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 20:15	
Hexachloroethane	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Isophorone	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
N-Nitroso-di-n propylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
N-Nitrosodiphenylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Naphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Nitrobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Pentachlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	
Phenanthrene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Phenol	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 20:15	
Pyridine	ND	1600	1	B2C0908	03/02/2022	03/03/22 20:15	



# Certificate of Analysis

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Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-9-1-6**

**Lab ID: 2200272-02**

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	60.9 %	23 - 102		B2C0908	03/02/2022	03/03/22 20:15	
<i>Surrogate: 2,4,6-Tribromophenol</i>	59.9 %	3 - 138		B2C0908	03/02/2022	03/03/22 20:15	
<i>Surrogate: 2-Chlorophenol-d4</i>	63.1 %	18 - 105		B2C0908	03/02/2022	03/03/22 20:15	
<i>Surrogate: 2-Fluorobiphenyl</i>	71.0 %	34 - 106		B2C0908	03/02/2022	03/03/22 20:15	
<i>Surrogate: 2-Fluorophenol</i>	58.3 %	16 - 94		B2C0908	03/02/2022	03/03/22 20:15	
<i>Surrogate: 4-Terphenyl-d14</i>	86.0 %	31 - 130		B2C0908	03/02/2022	03/03/22 20:15	
<i>Surrogate: Nitrobenzene-d5</i>	56.3 %	23 - 102		B2C0908	03/02/2022	03/03/22 20:15	
<i>Surrogate: Phenol-d6</i>	56.6 %	14 - 104		B2C0908	03/02/2022	03/03/22 20:15	



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Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-9-1-15**

**Lab ID: 2200272-03**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.98	1	B2C0948	03/07/2022	03/07/22 16:17	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.1 %</i>	<i>47.6 - 121.18</i>		B2C0948	03/07/2022	03/07/22 16:17	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 19:15	
C23-C32	ND	10	1	B2C0911	03/02/2022	03/02/22 19:15	
<i>Surrogate: p-Terphenyl</i>	<i>94.0 %</i>	<i>62 - 141</i>		B2C0911	03/02/2022	03/02/22 19:15	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1,1-Trichloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1,2-Trichloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1-Dichloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1-Dichloroethene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,1-Dichloropropene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2,3-Trichloropropane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2-Dibromo-3-chloropropane	ND	9.3	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2-Dibromoethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2-Dichlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2-Dichloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,2-Dichloropropane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,3-Dichlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,3-Dichloropropane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
1,4-Dichlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
2,2-Dichloropropane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
2-Chlorotoluene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
4-Chlorotoluene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
4-Isopropyltoluene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Benzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-1-15**

**Lab ID: 2200272-03**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Bromochloromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Bromodichloromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Bromoform	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Bromomethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Carbon disulfide	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Carbon tetrachloride	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Chlorobenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Chloroethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Chloroform	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Chloromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
cis-1,2-Dichloroethene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
cis-1,3-Dichloropropene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Di-isopropyl ether	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Dibromochloromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Dibromomethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Dichlorodifluoromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Ethyl Acetate	ND	46	1	B2C0978	03/07/2022	03/07/22 16:53	
Ethyl Ether	ND	46	1	B2C0978	03/07/2022	03/07/22 16:53	
Ethyl tert-butyl ether	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Ethylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Freon-113	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Hexachlorobutadiene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Isopropylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
m,p-Xylene	ND	9.3	1	B2C0978	03/07/2022	03/07/22 16:53	
Methylene chloride	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
MTBE	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
n-Butylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
n-Propylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Naphthalene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
o-Xylene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
sec-Butylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Styrene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
tert-Amyl methyl ether	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
tert-Butanol	ND	93	1	B2C0978	03/07/2022	03/07/22 16:53	
tert-Butylbenzene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Tetrachloroethene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Toluene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
trans-1,2-Dichloroethene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
trans-1,3-Dichloropropene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	





# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-1-15**

**Lab ID: 2200272-03**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Trichlorofluoromethane	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
Vinyl acetate	ND	46	1	B2C0978	03/07/2022	03/07/22 16:53	
Vinyl chloride	ND	4.6	1	B2C0978	03/07/2022	03/07/22 16:53	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>138 %</i>	<i>66 - 200</i>		B2C0978	03/07/2022	<i>03/07/22 16:53</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.1 %</i>	<i>50 - 146</i>		B2C0978	03/07/2022	<i>03/07/22 16:53</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>123 %</i>	<i>77 - 159</i>		B2C0978	03/07/2022	<i>03/07/22 16:53</i>	
<i>Surrogate: Toluene-d8</i>	<i>94.1 %</i>	<i>81 - 128</i>		B2C0978	03/07/2022	<i>03/07/22 16:53</i>	

**Client Sample ID: 62-9-2-1**

**Lab ID: 2200272-04**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
<b>Barium</b>	<b>87</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
<b>Beryllium</b>	<b>2.6</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
<b>Chromium</b>	<b>16</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
<b>Cobalt</b>	<b>5.2</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
<b>Copper</b>	<b>10</b>	2.0	1	B2C0904	03/03/2022	03/03/22 14:14	
<b>Lead</b>	<b>5.0</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
<b>Nickel</b>	<b>8.1</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
<b>Selenium</b>	<b>2.5</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
<b>Silver</b>	<b>5.1</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	
<b>Zinc</b>	<b>37</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:14	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-9-2-5.5**

**Lab ID: 2200272-05**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.3	1	B2C0948	03/07/2022	03/07/22 16:41	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.8 %</i>	<i>47.6 - 121.18</i>		B2C0948	03/07/2022	03/07/22 16:41	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 19:34	
<b>C23-C32</b>	<b>11</b>	10	1	B2C0911	03/02/2022	03/02/22 19:34	
<i>Surrogate: p-Terphenyl</i>	<i>94.9 %</i>	<i>62 - 141</i>		B2C0911	03/02/2022	03/02/22 19:34	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1,1-Trichloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1,2,2-Tetrachloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1,2-Trichloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1-Dichloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1-Dichloroethene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,1-Dichloropropene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2,3-Trichloropropane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2,3-Trichlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2,4-Trichlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2,4-Trimethylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2-Dibromoethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2-Dichlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2-Dichloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,2-Dichloropropane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,3,5-Trimethylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,3-Dichlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,3-Dichloropropane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
1,4-Dichlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
2,2-Dichloropropane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
2-Chlorotoluene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
4-Chlorotoluene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
4-Isopropyltoluene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Benzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-2-5.5**

**Lab ID: 2200272-05**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Bromochloromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Bromodichloromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Bromoform	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Bromomethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Carbon disulfide	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Carbon tetrachloride	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Chlorobenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Chloroethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Chloroform	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Chloromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
cis-1,2-Dichloroethene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
cis-1,3-Dichloropropene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Di-isopropyl ether	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Dibromochloromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Dibromomethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Dichlorodifluoromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Ethyl Acetate	ND	53	1	B2C0978	03/07/2022	03/07/22 17:19	
Ethyl Ether	ND	53	1	B2C0978	03/07/2022	03/07/22 17:19	
Ethyl tert-butyl ether	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Ethylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Freon-113	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Hexachlorobutadiene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Isopropylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
m,p-Xylene	ND	11	1	B2C0978	03/07/2022	03/07/22 17:19	
Methylene chloride	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
MTBE	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
n-Butylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
n-Propylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Naphthalene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
o-Xylene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
sec-Butylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Styrene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
tert-Amyl methyl ether	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
tert-Butanol	ND	110	1	B2C0978	03/07/2022	03/07/22 17:19	
tert-Butylbenzene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Tetrachloroethene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Toluene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
trans-1,2-Dichloroethene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
trans-1,3-Dichloropropene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	



# Certificate of Analysis

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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-2-5.5**

**Lab ID: 2200272-05**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Trichlorofluoromethane	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
Vinyl acetate	ND	53	1	B2C0978	03/07/2022	03/07/22 17:19	
Vinyl chloride	ND	5.3	1	B2C0978	03/07/2022	03/07/22 17:19	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>149 %</i>	<i>66 - 200</i>		B2C0978	03/07/2022	<i>03/07/22 17:19</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.1 %</i>	<i>50 - 146</i>		B2C0978	03/07/2022	<i>03/07/22 17:19</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>125 %</i>	<i>77 - 159</i>		B2C0978	03/07/2022	<i>03/07/22 17:19</i>	
<i>Surrogate: Toluene-d8</i>	<i>93.4 %</i>	<i>81 - 128</i>		B2C0978	03/07/2022	<i>03/07/22 17:19</i>	

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
1,2-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
1,3-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
1,4-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4,5-Trichlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4,6-Trichlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4-Dichlorophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4-Dimethylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4-Dinitrophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,4-Dinitrotoluene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2,6-Dinitrotoluene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Chloronaphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Chlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Methylnaphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Methylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
2-Nitrophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
3,3'-Dichlorobenzidine	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
3-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4,6-Dinitro-2-methylphenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Bromophenyl-phenylether	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Chloro-3-methylphenol	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Chloroaniline	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Chlorophenyl-phenylether	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Methylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
4-Nitrophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-2-5.5**

**Lab ID: 2200272-05**

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Acenaphthylene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzidine (M)	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzo(a)anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzo(a)pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzo(b)fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzo(g,h,i)perylene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzo(k)fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzoic acid	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Benzyl alcohol	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
bis(2-chloroethoxy)methane	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
bis(2-Chloroethyl)ether	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
bis(2-chloroisopropyl)ether	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
bis(2-ethylhexyl)phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Butylbenzylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Chrysene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Di-n-butylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Di-n-octylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Dibenz(a,h)anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Dibenzofuran	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Diethyl phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Dimethyl phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Fluorene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Hexachlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Hexachlorobutadiene	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Hexachlorocyclopentadiene	ND	13000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Hexachloroethane	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Indeno(1,2,3-cd)pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Isophorone	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
N-Nitroso-di-n propylamine	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
N-Nitrosodiphenylamine	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Naphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Nitrobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Pentachlorophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Phenanthrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Phenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 20:42	D10
Pyridine	ND	33000	20	B2C0908	03/02/2022	03/03/22 20:42	D10



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-2-5.5**

**Lab ID: 2200272-05**

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 1,2-Dichlorobenzene-d4	63.0 %	23 - 102		B2C0908	03/02/2022	03/03/22 20:42	
Surrogate: 2,4,6-Tribromophenol	0%	3 - 138		B2C0908	03/02/2022	03/03/22 20:42	S4
Surrogate: 2-Chlorophenol-d4	34.4 %	18 - 105		B2C0908	03/02/2022	03/03/22 20:42	
Surrogate: 2-Fluorobiphenyl	52.0 %	34 - 106		B2C0908	03/02/2022	03/03/22 20:42	
Surrogate: 2-Fluorophenol	12.4 %	16 - 94		B2C0908	03/02/2022	03/03/22 20:42	S4
Surrogate: 4-Terphenyl-d14	55.6 %	31 - 130		B2C0908	03/02/2022	03/03/22 20:42	
Surrogate: Nitrobenzene-d5	4.00 %	23 - 102		B2C0908	03/02/2022	03/03/22 20:42	S4
Surrogate: Phenol-d6	3.33 %	14 - 104		B2C0908	03/02/2022	03/03/22 20:42	S4

**Client Sample ID: 62-9-3-1**

**Lab ID: 2200272-06**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
<b>Barium</b>	<b>90</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
<b>Beryllium</b>	<b>2.7</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
<b>Chromium</b>	<b>16</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
<b>Cobalt</b>	<b>5.3</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
<b>Copper</b>	<b>10</b>	2.0	1	B2C0904	03/03/2022	03/03/22 14:16	
<b>Lead</b>	<b>5.2</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
<b>Nickel</b>	<b>6.8</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
<b>Selenium</b>	<b>2.9</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
<b>Silver</b>	<b>5.4</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
<b>Vanadium</b>	<b>34</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	
<b>Zinc</b>	<b>41</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:16	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-9-3-6**

**Lab ID: 2200272-07**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.97	1	B2C0948	03/07/2022	03/07/22 17:06	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.3 %</i>	<i>47.6 - 121.18</i>		B2C0948	03/07/2022	03/07/22 17:06	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 19:52	
<b>C23-C32</b>	<b>10</b>	10	1	B2C0911	03/02/2022	03/02/22 19:52	
<i>Surrogate: p-Terphenyl</i>	<i>102 %</i>	<i>62 - 141</i>		B2C0911	03/02/2022	03/02/22 19:52	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1,1-Trichloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1,2,2-Tetrachloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1,2-Trichloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1-Dichloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1-Dichloroethene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,1-Dichloropropene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2,3-Trichloropropane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2,3-Trichlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2,4-Trichlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2,4-Trimethylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2-Dibromoethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2-Dichlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2-Dichloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,2-Dichloropropane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,3,5-Trimethylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,3-Dichlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,3-Dichloropropane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
1,4-Dichlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
2,2-Dichloropropane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
2-Chlorotoluene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
4-Chlorotoluene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
4-Isopropyltoluene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Benzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-3-6**

**Lab ID: 2200272-07**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Bromochloromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Bromodichloromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Bromoform	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Bromomethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Carbon disulfide	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Carbon tetrachloride	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Chlorobenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Chloroethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Chloroform	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Chloromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
cis-1,2-Dichloroethene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
cis-1,3-Dichloropropene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Di-isopropyl ether	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Dibromochloromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Dibromomethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Dichlorodifluoromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Ethyl Acetate	ND	56	1	B2C0978	03/07/2022	03/07/22 17:45	
Ethyl Ether	ND	56	1	B2C0978	03/07/2022	03/07/22 17:45	
Ethyl tert-butyl ether	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Ethylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Freon-113	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Hexachlorobutadiene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Isopropylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
m,p-Xylene	ND	11	1	B2C0978	03/07/2022	03/07/22 17:45	
Methylene chloride	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
MTBE	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
n-Butylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
n-Propylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Naphthalene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
o-Xylene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
sec-Butylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Styrene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
tert-Amyl methyl ether	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
tert-Butanol	ND	110	1	B2C0978	03/07/2022	03/07/22 17:45	
tert-Butylbenzene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Tetrachloroethene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Toluene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
trans-1,2-Dichloroethene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
trans-1,3-Dichloropropene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	





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 Reported : 03/08/2022

**Client Sample ID: 62-9-3-6**

**Lab ID: 2200272-07**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Trichlorofluoromethane	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
Vinyl acetate	ND	56	1	B2C0978	03/07/2022	03/07/22 17:45	
Vinyl chloride	ND	5.6	1	B2C0978	03/07/2022	03/07/22 17:45	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>144 %</i>	<i>66 - 200</i>		B2C0978	03/07/2022	<i>03/07/22 17:45</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.6 %</i>	<i>50 - 146</i>		B2C0978	03/07/2022	<i>03/07/22 17:45</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>119 %</i>	<i>77 - 159</i>		B2C0978	03/07/2022	<i>03/07/22 17:45</i>	
<i>Surrogate: Toluene-d8</i>	<i>94.0 %</i>	<i>81 - 128</i>		B2C0978	03/07/2022	<i>03/07/22 17:45</i>	

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
1,2-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
1,3-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
1,4-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4,5-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4,6-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4-Dichlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4-Dimethylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4-Dinitrophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
2,4-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2,6-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Chloronaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Chlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Methylnaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
2-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
3,3'-Dichlorobenzidine	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
3-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
4,6-Dinitro-2-methylphenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Bromophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Chloro-3-methylphenol	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Chloroaniline	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Chlorophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
4-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-3-6**

**Lab ID: 2200272-07**

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Acenaphthylene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzidine (M)	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzo(a)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzo(a)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzo(b)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzo(g,h,i)perylene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzo(k)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzoic acid	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
Benzyl alcohol	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
bis(2-chloroethoxy)methane	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
bis(2-Chloroethyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Butylbenzylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Chrysene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Di-n-butylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Di-n-octylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Dibenz(a,h)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Dibenzofuran	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Diethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Dimethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Fluorene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Hexachlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Hexachlorobutadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
Hexachlorocyclopentadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 21:08	
Hexachloroethane	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Isophorone	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
N-Nitroso-di-n propylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
N-Nitrosodiphenylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Naphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Nitrobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Pentachlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	
Phenanthrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Phenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:08	
Pyridine	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:08	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-9-3-6**

**Lab ID: 2200272-07**

### Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 1,2-Dichlorobenzene-d4	62.3 %	23 - 102		B2C0908	03/02/2022	03/03/22 21:08	
Surrogate: 2,4,6-Tribromophenol	51.5 %	3 - 138		B2C0908	03/02/2022	03/03/22 21:08	
Surrogate: 2-Chlorophenol-d4	62.5 %	18 - 105		B2C0908	03/02/2022	03/03/22 21:08	
Surrogate: 2-Fluorobiphenyl	65.2 %	34 - 106		B2C0908	03/02/2022	03/03/22 21:08	
Surrogate: 2-Fluorophenol	55.7 %	16 - 94		B2C0908	03/02/2022	03/03/22 21:08	
Surrogate: 4-Terphenyl-d14	83.5 %	31 - 130		B2C0908	03/02/2022	03/03/22 21:08	
Surrogate: Nitrobenzene-d5	53.2 %	23 - 102		B2C0908	03/02/2022	03/03/22 21:08	
Surrogate: Phenol-d6	57.2 %	14 - 104		B2C0908	03/02/2022	03/03/22 21:08	

**Client Sample ID: 62-9-4-1**

**Lab ID: 2200272-08**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
<b>Barium</b>	<b>97</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
<b>Beryllium</b>	<b>3.2</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
<b>Chromium</b>	<b>16</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
<b>Cobalt</b>	<b>5.5</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
<b>Copper</b>	<b>11</b>	2.0	1	B2C0904	03/03/2022	03/03/22 14:18	
<b>Lead</b>	<b>3.5</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
<b>Nickel</b>	<b>6.8</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
<b>Selenium</b>	<b>2.7</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
<b>Silver</b>	<b>6.3</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
<b>Vanadium</b>	<b>36</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	
<b>Zinc</b>	<b>40</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:18	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-9-4-5.5**

**Lab ID: 2200272-09**

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C0948	03/07/2022	03/07/22 17:36	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.3 %</i>	<i>47.6 - 121.18</i>		B2C0948	03/07/2022	03/07/22 17:36	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 20:11	
<b>C23-C32</b>	<b>11</b>	10	1	B2C0911	03/02/2022	03/02/22 20:11	
<i>Surrogate: p-Terphenyl</i>	<i>86.8 %</i>	<i>62 - 141</i>		B2C0911	03/02/2022	03/02/22 20:11	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1,1-Trichloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1,2,2-Tetrachloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1,2-Trichloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1-Dichloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1-Dichloroethene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,1-Dichloropropene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2,3-Trichloropropane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2,3-Trichlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2,4-Trichlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2,4-Trimethylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2-Dibromo-3-chloropropane	ND	12	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2-Dibromoethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2-Dichlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2-Dichloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,2-Dichloropropane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,3,5-Trimethylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,3-Dichlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,3-Dichloropropane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
1,4-Dichlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
2,2-Dichloropropane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
2-Chlorotoluene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
4-Chlorotoluene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
4-Isopropyltoluene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Benzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-4-5.5**

**Lab ID: 2200272-09**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Bromochloromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Bromodichloromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Bromoform	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Bromomethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Carbon disulfide	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Carbon tetrachloride	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Chlorobenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Chloroethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Chloroform	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Chloromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
cis-1,2-Dichloroethene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
cis-1,3-Dichloropropene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Di-isopropyl ether	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Dibromochloromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Dibromomethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Dichlorodifluoromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Ethyl Acetate	ND	58	1	B2C0978	03/07/2022	03/07/22 18:11	
Ethyl Ether	ND	58	1	B2C0978	03/07/2022	03/07/22 18:11	
Ethyl tert-butyl ether	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Ethylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Freon-113	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Hexachlorobutadiene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Isopropylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
m,p-Xylene	ND	12	1	B2C0978	03/07/2022	03/07/22 18:11	
Methylene chloride	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
MTBE	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
n-Butylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
n-Propylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Naphthalene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
o-Xylene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
sec-Butylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Styrene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
tert-Amyl methyl ether	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
tert-Butanol	ND	120	1	B2C0978	03/07/2022	03/07/22 18:11	
tert-Butylbenzene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Tetrachloroethene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Toluene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
trans-1,2-Dichloroethene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
trans-1,3-Dichloropropene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	



# Certificate of Analysis

GSI Environmental, Inc.  
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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/08/2022

**Client Sample ID: 62-9-4-5.5**

**Lab ID: 2200272-09**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Trichlorofluoromethane	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
Vinyl acetate	ND	58	1	B2C0978	03/07/2022	03/07/22 18:11	
Vinyl chloride	ND	5.8	1	B2C0978	03/07/2022	03/07/22 18:11	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>124 %</i>	<i>66 - 200</i>		B2C0978	03/07/2022	<i>03/07/22 18:11</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.4 %</i>	<i>50 - 146</i>		B2C0978	03/07/2022	<i>03/07/22 18:11</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>112 %</i>	<i>77 - 159</i>		B2C0978	03/07/2022	<i>03/07/22 18:11</i>	
<i>Surrogate: Toluene-d8</i>	<i>95.3 %</i>	<i>81 - 128</i>		B2C0978	03/07/2022	<i>03/07/22 18:11</i>	

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
1,2-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
1,3-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
1,4-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4,5-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4,6-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4-Dichlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4-Dimethylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4-Dinitrophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
2,4-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2,6-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Chloronaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Chlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Methylnaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
2-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
3,3'-Dichlorobenzidine	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
3-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
4,6-Dinitro-2-methylphenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Bromophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Chloro-3-methylphenol	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Chloroaniline	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Chlorophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
4-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-9-4-5.5**

**Lab ID: 2200272-09**

**Semivolatile Organic Compounds by EPA 8270C**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Acenaphthylene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzidine (M)	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzo(a)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzo(a)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzo(b)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzo(g,h,i)perylene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzo(k)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzoic acid	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
Benzyl alcohol	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
bis(2-chloroethoxy)methane	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
bis(2-Chloroethyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Butylbenzylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Chrysene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Di-n-butylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Di-n-octylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Dibenz(a,h)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Dibenzofuran	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Diethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Dimethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Fluorene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Hexachlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Hexachlorobutadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
Hexachlorocyclopentadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 21:35	
Hexachloroethane	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Isophorone	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
N-Nitroso-di-n propylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
N-Nitrosodiphenylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Naphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Nitrobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Pentachlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	
Phenanthrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Phenol	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 21:35	
Pyridine	ND	1600	1	B2C0908	03/02/2022	03/03/22 21:35	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-9-4-5.5**

**Lab ID: 2200272-09**

### Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	67.6 %	23 - 102		B2C0908	03/02/2022	03/03/22 21:35	
<i>Surrogate: 2,4,6-Tribromophenol</i>	63.3 %	3 - 138		B2C0908	03/02/2022	03/03/22 21:35	
<i>Surrogate: 2-Chlorophenol-d4</i>	66.1 %	18 - 105		B2C0908	03/02/2022	03/03/22 21:35	
<i>Surrogate: 2-Fluorobiphenyl</i>	73.8 %	34 - 106		B2C0908	03/02/2022	03/03/22 21:35	
<i>Surrogate: 2-Fluorophenol</i>	60.7 %	16 - 94		B2C0908	03/02/2022	03/03/22 21:35	
<i>Surrogate: 4-Terphenyl-d14</i>	86.7 %	31 - 130		B2C0908	03/02/2022	03/03/22 21:35	
<i>Surrogate: Nitrobenzene-d5</i>	56.3 %	23 - 102		B2C0908	03/02/2022	03/03/22 21:35	
<i>Surrogate: Phenol-d6</i>	63.9 %	14 - 104		B2C0908	03/02/2022	03/03/22 21:35	

**Client Sample ID: 62-2-3-1**

**Lab ID: 2200272-10**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
<b>Barium</b>	<b>83</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
<b>Cobalt</b>	<b>4.8</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
<b>Copper</b>	<b>11</b>	2.0	1	B2C0904	03/03/2022	03/03/22 14:20	
<b>Lead</b>	<b>4.7</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
<b>Nickel</b>	<b>7.1</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
<b>Selenium</b>	<b>2.3</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
<b>Silver</b>	<b>4.9</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
<b>Vanadium</b>	<b>30</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	
<b>Zinc</b>	<b>34</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:20	





# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/08/2022

**Client Sample ID: 62-2-3-6**

**Lab ID: 2200272-11**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C0948	03/07/2022	03/07/22 18:00	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>84.1 %</i>	<i>47.6 - 121.18</i>		B2C0948	03/07/2022	03/07/22 18:00	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0911	03/02/2022	03/02/22 20:29	
<b>C23-C32</b>	<b>11</b>	10	1	B2C0911	03/02/2022	03/02/22 20:29	
<i>Surrogate: p-Terphenyl</i>	<i>86.0 %</i>	<i>62 - 141</i>		B2C0911	03/02/2022	03/02/22 20:29	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1,1-Trichloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1,2-Trichloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1-Dichloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1-Dichloroethene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,1-Dichloropropene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2,3-Trichloropropane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2-Dibromoethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2-Dichlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2-Dichloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,2-Dichloropropane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,3-Dichlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,3-Dichloropropane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
1,4-Dichlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
2,2-Dichloropropane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
2-Chlorotoluene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
4-Chlorotoluene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
4-Isopropyltoluene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Benzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-2-3-6**

**Lab ID: 2200272-11**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Bromochloromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Bromodichloromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Bromoform	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Bromomethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Carbon disulfide	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Carbon tetrachloride	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Chlorobenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Chloroethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Chloroform	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Chloromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
cis-1,2-Dichloroethene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
cis-1,3-Dichloropropene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Di-isopropyl ether	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Dibromochloromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Dibromomethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Dichlorodifluoromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Ethyl Acetate	ND	47	1	B2C0978	03/07/2022	03/07/22 18:37	
Ethyl Ether	ND	47	1	B2C0978	03/07/2022	03/07/22 18:37	
Ethyl tert-butyl ether	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Ethylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Freon-113	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Hexachlorobutadiene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Isopropylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
m,p-Xylene	ND	9.4	1	B2C0978	03/07/2022	03/07/22 18:37	
Methylene chloride	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
MTBE	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
n-Butylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
n-Propylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Naphthalene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
o-Xylene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
sec-Butylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Styrene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
tert-Amyl methyl ether	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
tert-Butanol	ND	94	1	B2C0978	03/07/2022	03/07/22 18:37	
tert-Butylbenzene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Tetrachloroethene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Toluene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
trans-1,2-Dichloroethene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
trans-1,3-Dichloropropene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-2-3-6**

**Lab ID: 2200272-11**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Trichlorofluoromethane	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
Vinyl acetate	ND	47	1	B2C0978	03/07/2022	03/07/22 18:37	
Vinyl chloride	ND	4.7	1	B2C0978	03/07/2022	03/07/22 18:37	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>142 %</i>	<i>66 - 200</i>		B2C0978	03/07/2022	<i>03/07/22 18:37</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.5 %</i>	<i>50 - 146</i>		B2C0978	03/07/2022	<i>03/07/22 18:37</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>121 %</i>	<i>77 - 159</i>		B2C0978	03/07/2022	<i>03/07/22 18:37</i>	
<i>Surrogate: Toluene-d8</i>	<i>91.8 %</i>	<i>81 - 128</i>		B2C0978	03/07/2022	<i>03/07/22 18:37</i>	

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
1,2-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
1,3-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
1,4-Dichlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4,5-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4,6-Trichlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4-Dichlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4-Dimethylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4-Dinitrophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
2,4-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2,6-Dinitrotoluene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Chloronaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Chlorophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Methylnaphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
2-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
3,3'-Dichlorobenzidine	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
3-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
4,6-Dinitro-2-methylphenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Bromophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Chloro-3-methylphenol	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Chloroaniline	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Chlorophenyl-phenylether	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Methylphenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Nitroaniline	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
4-Nitrophenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-2-3-6**

**Lab ID: 2200272-11**

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Acenaphthylene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzidine (M)	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzo(a)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzo(a)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzo(b)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzo(g,h,i)perylene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzo(k)fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzoic acid	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
Benzyl alcohol	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
bis(2-chloroethoxy)methane	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
bis(2-Chloroethyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Butylbenzylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Chrysene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Di-n-butylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Di-n-octylphthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Dibenz(a,h)anthracene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Dibenzofuran	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Diethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Dimethyl phthalate	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Fluoranthene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Fluorene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Hexachlorobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Hexachlorobutadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
Hexachlorocyclopentadiene	ND	660	1	B2C0908	03/02/2022	03/03/22 22:01	
Hexachloroethane	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Isophorone	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
N-Nitroso-di-n propylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
N-Nitrosodiphenylamine	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Naphthalene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Nitrobenzene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Pentachlorophenol	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	
Phenanthrene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Phenol	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Pyrene	ND	330	1	B2C0908	03/02/2022	03/03/22 22:01	
Pyridine	ND	1600	1	B2C0908	03/02/2022	03/03/22 22:01	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-2-3-6**

**Lab ID: 2200272-11**

### Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 1,2-Dichlorobenzene-d4	61.1 %	23 - 102		B2C0908	03/02/2022	03/03/22 22:01	
Surrogate: 2,4,6-Tribromophenol	58.9 %	3 - 138		B2C0908	03/02/2022	03/03/22 22:01	
Surrogate: 2-Chlorophenol-d4	62.4 %	18 - 105		B2C0908	03/02/2022	03/03/22 22:01	
Surrogate: 2-Fluorobiphenyl	67.8 %	34 - 106		B2C0908	03/02/2022	03/03/22 22:01	
Surrogate: 2-Fluorophenol	55.8 %	16 - 94		B2C0908	03/02/2022	03/03/22 22:01	
Surrogate: 4-Terphenyl-d14	95.7 %	31 - 130		B2C0908	03/02/2022	03/03/22 22:01	
Surrogate: Nitrobenzene-d5	56.6 %	23 - 102		B2C0908	03/02/2022	03/03/22 22:01	
Surrogate: Phenol-d6	57.9 %	14 - 104		B2C0908	03/02/2022	03/03/22 22:01	

**Client Sample ID: 62-2-1-1**

**Lab ID: 2200272-12**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Arsenic	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
<b>Barium</b>	<b>86</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
<b>Beryllium</b>	<b>2.7</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Cadmium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
<b>Cobalt</b>	<b>5.2</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
<b>Copper</b>	<b>11</b>	2.0	1	B2C0904	03/03/2022	03/03/22 14:22	
<b>Lead</b>	<b>4.1</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Molybdenum	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
<b>Nickel</b>	<b>6.8</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Selenium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
<b>Silver</b>	<b>5.1</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
Thallium	ND	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
<b>Vanadium</b>	<b>39</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	
<b>Zinc</b>	<b>36</b>	1.0	1	B2C0904	03/03/2022	03/03/22 14:22	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-2-1-6**

**Lab ID: 2200272-13**

## Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.96	1	B2C0948	03/07/2022	03/07/22 18:25	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.4 %</i>	<i>47.6 - 121.18</i>		B2C0948	03/07/2022	<i>03/07/22 18:25</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	100	10	B2C0911	03/02/2022	03/02/22 20:48	D10
<b>C23-C32</b>	<b>110</b>	100	10	B2C0911	03/02/2022	03/02/22 20:48	D10
<i>Surrogate: p-Terphenyl</i>	<i>96.2 %</i>	<i>62 - 141</i>		B2C0911	03/02/2022	<i>03/02/22 20:48</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1,1-Trichloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1,2-Trichloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1-Dichloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1-Dichloroethene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,1-Dichloropropene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2,3-Trichloropropane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2-Dibromoethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2-Dichlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2-Dichloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,2-Dichloropropane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,3-Dichlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,3-Dichloropropane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
1,4-Dichlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
2,2-Dichloropropane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
2-Chlorotoluene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
4-Chlorotoluene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
4-Isopropyltoluene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Benzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-2-1-6**

**Lab ID: 2200272-13**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Bromochloromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Bromodichloromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Bromoform	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Bromomethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Carbon disulfide	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Carbon tetrachloride	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Chlorobenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Chloroethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Chloroform	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Chloromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
cis-1,2-Dichloroethene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
cis-1,3-Dichloropropene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Di-isopropyl ether	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Dibromochloromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Dibromomethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Dichlorodifluoromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Ethyl Acetate	ND	44	1	B2C0978	03/07/2022	03/07/22 19:03	
Ethyl Ether	ND	44	1	B2C0978	03/07/2022	03/07/22 19:03	
Ethyl tert-butyl ether	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Ethylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Freon-113	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Hexachlorobutadiene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Isopropylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
m,p-Xylene	ND	8.8	1	B2C0978	03/07/2022	03/07/22 19:03	
Methylene chloride	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
MTBE	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
n-Butylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
n-Propylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Naphthalene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
o-Xylene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
sec-Butylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Styrene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
tert-Amyl methyl ether	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
tert-Butanol	ND	88	1	B2C0978	03/07/2022	03/07/22 19:03	
tert-Butylbenzene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Tetrachloroethene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Toluene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
trans-1,2-Dichloroethene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
trans-1,3-Dichloropropene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

**Client Sample ID: 62-2-1-6**

**Lab ID: 2200272-13**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Trichlorofluoromethane	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
Vinyl acetate	ND	44	1	B2C0978	03/07/2022	03/07/22 19:03	
Vinyl chloride	ND	4.4	1	B2C0978	03/07/2022	03/07/22 19:03	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>147 %</i>	<i>66 - 200</i>		B2C0978	03/07/2022	<i>03/07/22 19:03</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.5 %</i>	<i>50 - 146</i>		B2C0978	03/07/2022	<i>03/07/22 19:03</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>120 %</i>	<i>77 - 159</i>		B2C0978	03/07/2022	<i>03/07/22 19:03</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.5 %</i>	<i>81 - 128</i>		B2C0978	03/07/2022	<i>03/07/22 19:03</i>	

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
1,2-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
1,3-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
1,4-Dichlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4,5-Trichlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4,6-Trichlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4-Dichlorophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4-Dimethylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4-Dinitrophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,4-Dinitrotoluene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2,6-Dinitrotoluene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Chloronaphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Chlorophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Methylnaphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Methylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
2-Nitrophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
3,3'-Dichlorobenzidine	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
3-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4,6-Dinitro-2-methylphenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Bromophenyl-phenylether	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Chloro-3-methylphenol	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Chloroaniline	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Chlorophenyl-phenylether	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Methylphenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Nitroaniline	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
4-Nitrophenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10





# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/08/2022

Client Sample ID: 62-2-1-6

Lab ID: 2200272-13

## Semivolatile Organic Compounds by EPA 8270C

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Acenaphthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Acenaphthylene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzidine (M)	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzo(a)anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzo(a)pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzo(b)fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzo(g,h,i)perylene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzo(k)fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzoic acid	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Benzyl alcohol	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
bis(2-chloroethoxy)methane	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
bis(2-Chloroethyl)ether	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
bis(2-chloroisopropyl)ether	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
bis(2-ethylhexyl)phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Butylbenzylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Chrysene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Di-n-butylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Di-n-octylphthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Dibenz(a,h)anthracene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Dibenzofuran	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Diethyl phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Dimethyl phthalate	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Fluoranthene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Fluorene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Hexachlorobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Hexachlorobutadiene	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Hexachlorocyclopentadiene	ND	13000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Hexachloroethane	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Indeno(1,2,3-cd)pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Isophorone	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
N-Nitroso-di-n propylamine	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
N-Nitrosodiphenylamine	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Naphthalene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Nitrobenzene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Pentachlorophenol	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Phenanthrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Phenol	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Pyrene	ND	6600	20	B2C0908	03/02/2022	03/03/22 22:27	D10
Pyridine	ND	33000	20	B2C0908	03/02/2022	03/03/22 22:27	D10



# Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine , CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

**Client Sample ID: 62-2-1-6**

**Lab ID: 2200272-13**

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	74.2 %	23 - 102		B2C0908	03/02/2022	03/03/22 22:27	
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.93 %	3 - 138		B2C0908	03/02/2022	03/03/22 22:27	
<i>Surrogate: 2-Chlorophenol-d4</i>	41.9 %	18 - 105		B2C0908	03/02/2022	03/03/22 22:27	
<i>Surrogate: 2-Fluorobiphenyl</i>	61.0 %	34 - 106		B2C0908	03/02/2022	03/03/22 22:27	
<i>Surrogate: 2-Fluorophenol</i>	21.9 %	16 - 94		B2C0908	03/02/2022	03/03/22 22:27	
<i>Surrogate: 4-Terphenyl-d14</i>	65.6 %	31 - 130		B2C0908	03/02/2022	03/03/22 22:27	
<i>Surrogate: Nitrobenzene-d5</i>	0%	23 - 102		B2C0908	03/02/2022	03/03/22 22:27	S4
<i>Surrogate: Phenol-d6</i>	7.47 %	14 - 104		B2C0908	03/02/2022	03/03/22 22:27	S4



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Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

### QUALITY CONTROL SECTION

#### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0904 - EPA 3050B\_S**

**Blank (B2C0904-BLK1)**

Prepared: 3/2/2022 Analyzed: 3/3/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

**LCS (B2C0904-BS1)**

Prepared: 3/2/2022 Analyzed: 3/3/2022

Antimony	27.1846	2.0	0.51	25.0000	109	80 - 120
Arsenic	25.0491	1.0	0.12	25.0000	100	80 - 120
Barium	25.2967	1.0	0.12	25.0000	101	80 - 120
Beryllium	26.6908	1.0	0.03	25.0100	107	80 - 120
Cadmium	26.3917	1.0	0.14	25.0000	106	80 - 120
Chromium	25.8398	1.0	0.26	25.0000	103	80 - 120
Cobalt	27.2687	1.0	0.07	25.0000	109	80 - 120
Copper	25.7329	2.0	0.19	25.0000	103	80 - 120
Lead	26.3290	1.0	0.18	25.0000	105	80 - 120
Molybdenum	26.7669	1.0	0.12	25.0000	107	80 - 120
Nickel	26.0948	1.0	0.18	25.0000	104	80 - 120
Selenium	26.9323	1.0	0.40	25.0000	108	80 - 120
Silver	12.5996	1.0	0.12	12.5000	101	80 - 120
Thallium	25.7042	1.0	0.38	25.0000	103	80 - 120
Vanadium	26.0225	1.0	0.06	25.0000	104	80 - 120
Zinc	26.2019	1.0	0.15	25.0000	105	80 - 120

**Matrix Spike (B2C0904-MS1)**

Source: 2200267-01

Prepared: 3/2/2022 Analyzed: 3/3/2022

Antimony	16.2218	2.0	0.51	25.0000	0.967182	61.0	0 - 102
Arsenic	28.6089	1.0	0.12	25.0000	3.86779	99.0	55 - 117
Barium	162.968	1.0	0.12	25.0000	140.290	90.7	11 - 177
Beryllium	23.7705	1.0	0.03	25.0100	2.58879	84.7	64 - 115
Cadmium	25.3707	1.0	0.14	25.0000	0.995994	97.5	62 - 116



## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0904 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C0904-MS1) - Continued**

**Source: 2200267-01**

Prepared: 3/2/2022 Analyzed: 3/3/2022

Chromium	76.5741	1.0	0.26	25.0000	50.9415	103	42 - 145		
Cobalt	30.0886	1.0	0.07	25.0000	9.92660	80.6	60 - 126		
Copper	59.5202	2.0	0.19	25.0000	38.0969	85.7	37 - 163		
Lead	67.7640	1.0	0.18	25.0000	44.5748	92.8	26 - 161		
Molybdenum	24.6692	1.0	0.12	25.0000	0.606130	96.3	31 - 122		
Nickel	35.0723	1.0	0.18	25.0000	16.2446	75.3	52 - 130		
Selenium	30.3028	1.0	0.40	25.0000	5.57225	98.9	25 - 129		
Silver	16.9298	1.0	0.12	12.5000	3.84602	105	48 - 133		
Thallium	23.3388	1.0	0.38	25.0000	ND	93.4	25 - 119		
Vanadium	96.4956	1.0	0.06	25.0000	70.9836	102	51 - 141		
Zinc	117.500	1.0	0.15	25.0000	95.3092	88.8	8 - 170		

**Matrix Spike Dup (B2C0904-MSD1)**

**Source: 2200267-01**

Prepared: 3/2/2022 Analyzed: 3/3/2022

Antimony	15.9193	2.0	0.51	25.0000	0.967182	59.8	0 - 102	1.88	20
Arsenic	28.2543	1.0	0.12	25.0000	3.86779	97.5	55 - 117	1.25	20
Barium	160.945	1.0	0.12	25.0000	140.290	82.6	11 - 177	1.25	20
Beryllium	23.3632	1.0	0.03	25.0100	2.58879	83.1	64 - 115	1.73	20
Cadmium	25.2214	1.0	0.14	25.0000	0.995994	96.9	62 - 116	0.590	20
Chromium	76.3498	1.0	0.26	25.0000	50.9415	102	42 - 145	0.293	20
Cobalt	29.4803	1.0	0.07	25.0000	9.92660	78.2	60 - 126	2.04	20
Copper	58.0622	2.0	0.19	25.0000	38.0969	79.9	37 - 163	2.48	20
Lead	67.3682	1.0	0.18	25.0000	44.5748	91.2	26 - 161	0.586	20
Molybdenum	24.7524	1.0	0.12	25.0000	0.606130	96.6	31 - 122	0.337	20
Nickel	34.3296	1.0	0.18	25.0000	16.2446	72.3	52 - 130	2.14	20
Selenium	29.6157	1.0	0.40	25.0000	5.57225	96.2	25 - 129	2.29	20
Silver	17.0920	1.0	0.12	12.5000	3.84602	106	48 - 133	0.953	20
Thallium	22.8744	1.0	0.38	25.0000	ND	91.5	25 - 119	2.01	20
Vanadium	96.0426	1.0	0.06	25.0000	70.9836	100	51 - 141	0.471	20
Zinc	115.354	1.0	0.15	25.0000	95.3092	80.2	8 - 170	1.84	20



## Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0905 - EPA 7471_S</b>										
<b>Blank (B2C0905-BLK1)</b>										
										Prepared: 3/2/2022 Analyzed: 3/3/2022
Mercury	ND	0.10	0.01							
<b>LCS (B2C0905-BS1)</b>										
										Prepared: 3/2/2022 Analyzed: 3/3/2022
Mercury	0.405987	0.10	0.01	0.416667		97.4	80 - 120			
<b>Matrix Spike (B2C0905-MS1)</b>										
										Source: 2200272-01 Prepared: 3/2/2022 Analyzed: 3/3/2022
Mercury	0.740902	0.10	0.01	0.416667	0.067830	162	70 - 130			M2
<b>Matrix Spike Dup (B2C0905-MSD1)</b>										
										Source: 2200272-01 Prepared: 3/2/2022 Analyzed: 3/3/2022
Mercury	0.745900	0.10	0.01	0.416667	0.067830	163	70 - 130	0.672	20	M2



### Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/08/2022

#### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C0905 - EPA 7471\_S

Post Spike (B2C0905-PS1)

Source: 2200272-01

Prepared: 3/2/2022 Analyzed: 3/4/2022

Mercury	5.9226E-3		5.00000E-3	0.000814	102	85 - 115			
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## Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

### Gasoline Range Organics by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0948 - GCVOA_S</b>										
<b>Blank (B2C0948-BLK1)</b>										
						Prepared: 3/7/2022 Analyzed: 3/7/2022				
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6809</i>			<i>0.800000</i>		<i>85.1</i>	<i>47.6 - 121.18</i>			
<b>LCS (B2C0948-BS1)</b>										
						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Gasoline Range Organics	4.54400	1.0	0.13	5.00000		90.9	58.69 - 124.0 <sup>u</sup>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7825</i>			<i>0.800000</i>		<i>97.8</i>	<i>47.6 - 121.18</i>			
<b>LCS Dup (B2C0948-BSD1)</b>										
						Prepared: 3/7/2022 Analyzed: 3/7/2022				
Gasoline Range Organics	4.51000	1.0	0.13	5.00000		90.2	58.69 - 124.0 <sup>u</sup>	0.751	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7890</i>			<i>0.800000</i>		<i>98.6</i>	<i>47.6 - 121.18</i>			



## Certificate of Analysis

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Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C0911 - GCSEMI_DRO_S</b>										
<b>Blank (B2C0911-BLK1)</b>										
						Prepared: 3/2/2022 Analyzed: 3/2/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<hr/>										
<i>Surrogate: p-Terphenyl</i>	<i>84.75</i>			<i>80.0000</i>		<i>106</i>	<i>62 - 141</i>			
<b>LCS (B2C0911-BS1)</b>										
						Prepared: 3/2/2022 Analyzed: 3/2/2022				
DRO	961.284	10	3.6	1000.00		96.1	56 - 139			
<hr/>										
<i>Surrogate: p-Terphenyl</i>	<i>80.34</i>			<i>80.0000</i>		<i>100</i>	<i>62 - 141</i>			
<b>Matrix Spike (B2C0911-MS1)</b>										
						Source: 2200268-19 Prepared: 3/2/2022 Analyzed: 3/2/2022				
DRO	964.160	10	3.6	1000.00	ND	96.4	38 - 161			
<hr/>										
<i>Surrogate: p-Terphenyl</i>	<i>79.44</i>			<i>80.0000</i>		<i>99.3</i>	<i>62 - 141</i>			
<b>Matrix Spike Dup (B2C0911-MSD1)</b>										
						Source: 2200268-19 Prepared: 3/2/2022 Analyzed: 3/2/2022				
DRO	949.369	10	3.6	1000.00	ND	94.9	38 - 161	1.55	20	
<hr/>										
<i>Surrogate: p-Terphenyl</i>	<i>81.18</i>			<i>80.0000</i>		<i>101</i>	<i>62 - 141</i>			





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Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B2C0978 - MSVOA\_S

#### Blank (B2C0978-BLK1)

Prepared: 3/7/2022 Analyzed: 3/7/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							



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Project Number : Ontario Airport / 5925  
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 Reported : 03/08/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0978 - MSVOA\_S (continued)**

**Blank (B2C0978-BLK1) - Continued**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Ethyl tert-butyl ether	ND	5.0	0.85
Ethylbenzene	ND	5.0	0.43
Freon-113	ND	5.0	1.3
Hexachlorobutadiene	ND	5.0	0.40
Isopropylbenzene	ND	5.0	0.79
m,p-Xylene	ND	10	0.98
Methylene chloride	ND	5.0	2.2
MTBE	ND	5.0	0.81
n-Butylbenzene	ND	5.0	1.2
n-Propylbenzene	ND	5.0	0.78
Naphthalene	ND	5.0	1.1
o-Xylene	ND	5.0	0.67
sec-Butylbenzene	ND	5.0	0.63
Styrene	ND	5.0	0.45
tert-Amyl methyl ether	ND	5.0	1.1
tert-Butanol	ND	100	11
tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>57.25</i>		<i>50.0000</i>	<i>114</i>	<i>66 - 200</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>49.40</i>		<i>50.0000</i>	<i>98.8</i>	<i>50 - 146</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>54.69</i>		<i>50.0000</i>	<i>109</i>	<i>77 - 159</i>
<i>Surrogate: Toluene-d8</i>	<i>48.00</i>		<i>50.0000</i>	<i>96.0</i>	<i>81 - 128</i>

**Blank (B2C0978-BLK2)**

Prepared: 3/7/2022 Analyzed: 3/7/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52
1,1,1-Trichloroethane	ND	5.0	0.26
1,1,2,2-Tetrachloroethane	ND	5.0	0.21
1,1,2-Trichloroethane	ND	5.0	0.40
1,1-Dichloroethane	ND	5.0	1.4
1,1-Dichloroethene	ND	5.0	1.9
1,1-Dichloropropene	ND	5.0	0.54
1,2,3-Trichloropropane	ND	5.0	0.40
1,2,3-Trichlorobenzene	ND	5.0	0.83
1,2,4-Trichlorobenzene	ND	5.0	0.80
1,2,4-Trimethylbenzene	ND	5.0	0.91
1,2-Dibromo-3-chloropropane	ND	10	1.1
1,2-Dibromoethane	ND	5.0	0.40



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0978 - MSVOA\_S (continued)**

**Blank (B2C0978-BLK2) - Continued**

Prepared: 3/7/2022 Analyzed: 3/7/2022

1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	5.0	7.0						
Ethyl Ether	ND	5.0	17						
Ethyl tert-butyl ether	ND	5.0	0.85						
Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0978 - MSVOA\_S (continued)**

**Blank (B2C0978-BLK2) - Continued**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Styrene	ND	5.0	0.45
tert-Amyl methyl ether	ND	5.0	1.1
tert-Butanol	ND	100	11
tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	59.47		50.0000	119	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	48.21		50.0000	96.4	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	53.91		50.0000	108	77 - 159
<i>Surrogate: Toluene-d8</i>	47.99		50.0000	96.0	81 - 128

**LCS (B2C0978-BS1)**

Prepared: 3/7/2022 Analyzed: 3/7/2022

1,1,1,2-Tetrachloroethane	49.2300	5.0	0.52	50.0000	98.5	84 - 123
1,1,1-Trichloroethane	50.6300	5.0	0.26	50.0000	101	78 - 133
1,1,2,2-Tetrachloroethane	40.1300	5.0	0.21	50.0000	80.3	63 - 127
1,1,2-Trichloroethane	44.6000	5.0	0.40	50.0000	89.2	80 - 125
1,1-Dichloroethane	49.4900	5.0	1.4	50.0000	99.0	77 - 128
1,1-Dichloroethene	55.4700	5.0	1.9	50.0000	111	69 - 138
1,1-Dichloropropene	51.0700	5.0	0.54	50.0000	102	80 - 133
1,2,3-Trichloropropane	42.2900	5.0	0.40	50.0000	84.6	74 - 123
1,2,3-Trichlorobenzene	44.6400	5.0	0.83	50.0000	89.3	79 - 133
1,2,4-Trichlorobenzene	42.7400	5.0	0.80	50.0000	85.5	73 - 131
1,2,4-Trimethylbenzene	45.2200	5.0	0.91	50.0000	90.4	86 - 137
1,2-Dibromo-3-chloropropane	41.9600	10	1.1	50.0000	83.9	62 - 127
1,2-Dibromoethane	47.2000	5.0	0.40	50.0000	94.4	83 - 126
1,2-Dichlorobenzene	42.2300	5.0	0.21	50.0000	84.5	83 - 123
1,2-Dichloroethane	51.6800	5.0	0.50	50.0000	103	76 - 128
1,2-Dichloropropane	43.5200	5.0	0.46	50.0000	87.0	77 - 121
1,3,5-Trimethylbenzene	43.4700	5.0	0.70	50.0000	86.9	84 - 135
1,3-Dichlorobenzene	42.4200	5.0	0.36	50.0000	84.8	81 - 126
1,3-Dichloropropane	44.8700	5.0	0.49	50.0000	89.7	80 - 118
1,4-Dichlorobenzene	42.3400	5.0	0.27	50.0000	84.7	80 - 124
2,2-Dichloropropane	50.6300	5.0	0.28	50.0000	101	72 - 135
2-Chlorotoluene	42.9700	5.0	0.53	50.0000	85.9	81 - 127
4-Chlorotoluene	44.0400	5.0	0.40	50.0000	88.1	83 - 127
4-Isopropyltoluene	43.6000	5.0	0.81	50.0000	87.2	82 - 143
Benzene	46.6000	5.0	0.36	50.0000	93.2	84 - 123
Bromobenzene	44.0800	5.0	0.62	50.0000	88.2	80 - 122



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0978 - MSVOA\_S (continued)**

**LCS (B2C0978-BS1) - Continued**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Bromochloromethane	50.0200	5.0	0.30	50.0000		100	83 - 127			
Bromodichloromethane	49.4400	5.0	0.52	50.0000		98.9	82 - 123			
Bromoform	46.0000	5.0	1.4	50.0000		92.0	80 - 132			
Bromomethane	80.1000	5.0	2.5	50.0000		160	67 - 176			
Carbon disulfide	52.6100	5.0	0.94	50.0000		105	75 - 138			
Carbon tetrachloride	49.7100	5.0	0.73	50.0000		99.4	76 - 131			
Chlorobenzene	44.8200	5.0	0.42	50.0000		89.6	84 - 119			
Chloroethane	58.6300	5.0	1.5	50.0000		117	56 - 170			
Chloroform	50.4900	5.0	0.24	50.0000		101	78 - 129			
Chloromethane	46.6900	5.0	1.1	50.0000		93.4	63 - 141			
cis-1,2-Dichloroethene	35.9000	5.0	0.20	50.0000		71.8	83 - 125			L3
cis-1,3-Dichloropropene	41.2500	5.0	0.39	50.0000		82.5	76 - 129			
Di-isopropyl ether	44.3800	5.0	1.9	50.0000		88.8	73 - 132			
Dibromochloromethane	43.3600	5.0	0.81	50.0000		86.7	81 - 120			
Dibromomethane	43.4400	5.0	0.23	50.0000		86.9	79 - 124			
Dichlorodifluoromethane	45.9500	5.0	0.14	50.0000		91.9	18 - 199			
Ethyl Acetate	9.62000	50	7.0	500.000		1.92	76 - 138			MO
Ethyl Ether	596.370	50	17	500.000		119	74 - 128			
Ethyl tert-butyl ether	44.5300	5.0	0.85	50.0000		89.1	50 - 175			
Ethylbenzene	46.5500	5.0	0.43	50.0000		93.1	86 - 130			
Freon-113	61.8200	5.0	1.3	50.0000		124	66 - 132			
Hexachlorobutadiene	44.7600	5.0	0.40	50.0000		89.5	64 - 135			
Isopropylbenzene	45.5600	5.0	0.79	50.0000		91.1	80 - 133			
m,p-Xylene	92.0300	10	0.98	100.000		92.0	89 - 133			
Methylene chloride	47.0400	5.0	2.2	50.0000		94.1	72 - 143			
MTBE	46.3800	5.0	0.81	50.0000		92.8	73 - 136			
n-Butylbenzene	42.0000	5.0	1.2	50.0000		84.0	76 - 144			
n-Propylbenzene	43.1100	5.0	0.78	50.0000		86.2	81 - 136			
Naphthalene	40.7200	5.0	1.1	50.0000		81.4	64 - 128			
o-Xylene	46.0600	5.0	0.67	50.0000		92.1	82 - 134			
sec-Butylbenzene	43.7100	5.0	0.63	50.0000		87.4	81 - 138			
Styrene	44.5500	5.0	0.45	50.0000		89.1	79 - 152			
tert-Amyl methyl ether	45.5400	5.0	1.1	50.0000		91.1	48 - 166			
tert-Butanol	172.160	100	11	250.000		68.9	48 - 148			
tert-Butylbenzene	42.0100	5.0	0.80	50.0000		84.0	81 - 135			
Tetrachloroethene	46.0200	5.0	0.31	50.0000		92.0	75 - 127			
Toluene	45.4700	5.0	0.27	50.0000		90.9	88 - 130			
trans-1,2-Dichloroethene	67.0800	5.0	0.56	50.0000		134	79 - 127			L4
trans-1,3-Dichloropropene	47.2600	5.0	0.59	50.0000		94.5	80 - 130			
Trichloroethene	50.2300	5.0	0.32	50.0000		100	83 - 126			
Trichlorofluoromethane	65.1400	5.0	1.0	50.0000		130	62 - 143			
Vinyl acetate	23.0900	50	6.0	500.000		4.62	69 - 150			MO
Vinyl chloride	55.9200	5.0	0.92	50.0000		112	69 - 140			



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0978 - MSVOA\_S (continued)**

**LCS (B2C0978-BS1) - Continued**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Surrogate: 1,2-Dichloroethane-d4	56.91	50.0000	114	66 - 200
Surrogate: 4-Bromofluorobenzene	51.57	50.0000	103	50 - 146
Surrogate: Dibromofluoromethane	52.72	50.0000	105	77 - 159
Surrogate: Toluene-d8	49.77	50.0000	99.5	81 - 128

**LCS Dup (B2C0978-BSD1)**

Prepared: 3/7/2022 Analyzed: 3/7/2022

1,1,1,2-Tetrachloroethane	48.0000	5.0	0.52	50.0000	96.0	84 - 123	2.53	20
1,1,1-Trichloroethane	55.2900	5.0	0.26	50.0000	111	78 - 133	8.80	20
1,1,2,2-Tetrachloroethane	42.2800	5.0	0.21	50.0000	84.6	63 - 127	5.22	20
1,1,2-Trichloroethane	48.8100	5.0	0.40	50.0000	97.6	80 - 125	9.01	20
1,1-Dichloroethane	50.8900	5.0	1.4	50.0000	102	77 - 128	2.79	20
1,1-Dichloroethene	52.6200	5.0	1.9	50.0000	105	69 - 138	5.27	20
1,1-Dichloropropene	49.8200	5.0	0.54	50.0000	99.6	80 - 133	2.48	20
1,2,3-Trichloropropane	43.1500	5.0	0.40	50.0000	86.3	74 - 123	2.01	20
1,2,3-Trichlorobenzene	45.3000	5.0	0.83	50.0000	90.6	79 - 133	1.47	20
1,2,4-Trichlorobenzene	42.8300	5.0	0.80	50.0000	85.7	73 - 131	0.210	20
1,2,4-Trimethylbenzene	44.7700	5.0	0.91	50.0000	89.5	86 - 137	1.00	20
1,2-Dibromo-3-chloropropane	43.2100	10	1.1	50.0000	86.4	62 - 127	2.94	20
1,2-Dibromoethane	49.2400	5.0	0.40	50.0000	98.5	83 - 126	4.23	20
1,2-Dichlorobenzene	42.7800	5.0	0.21	50.0000	85.6	83 - 123	1.29	20
1,2-Dichloroethane	51.5100	5.0	0.50	50.0000	103	76 - 128	0.329	20
1,2-Dichloropropane	45.0600	5.0	0.46	50.0000	90.1	77 - 121	3.48	20
1,3,5-Trimethylbenzene	44.4800	5.0	0.70	50.0000	89.0	84 - 135	2.30	20
1,3-Dichlorobenzene	44.7700	5.0	0.36	50.0000	89.5	81 - 126	5.39	20
1,3-Dichloropropane	45.1300	5.0	0.49	50.0000	90.3	80 - 118	0.578	20
1,4-Dichlorobenzene	43.2100	5.0	0.27	50.0000	86.4	80 - 124	2.03	20
2,2-Dichloropropane	52.1300	5.0	0.28	50.0000	104	72 - 135	2.92	20
2-Chlorotoluene	44.7200	5.0	0.53	50.0000	89.4	81 - 127	3.99	20
4-Chlorotoluene	44.7800	5.0	0.40	50.0000	89.6	83 - 127	1.67	20
4-Isopropyltoluene	44.7100	5.0	0.81	50.0000	89.4	82 - 143	2.51	20
Benzene	46.8300	5.0	0.36	50.0000	93.7	84 - 123	0.492	20
Bromobenzene	45.8200	5.0	0.62	50.0000	91.6	80 - 122	3.87	20
Bromochloromethane	50.8800	5.0	0.30	50.0000	102	83 - 127	1.70	20
Bromodichloromethane	53.1800	5.0	0.52	50.0000	106	82 - 123	7.29	20
Bromoform	44.3500	5.0	1.4	50.0000	88.7	80 - 132	3.65	20
Bromomethane	77.5800	5.0	2.5	50.0000	155	67 - 176	3.20	20
Carbon disulfide	54.3400	5.0	0.94	50.0000	109	75 - 138	3.24	20
Carbon tetrachloride	54.0500	5.0	0.73	50.0000	108	76 - 131	8.37	20
Chlorobenzene	45.5500	5.0	0.42	50.0000	91.1	84 - 119	1.62	20
Chloroethane	58.6300	5.0	1.5	50.0000	117	56 - 170	0.00	20
Chloroform	51.9900	5.0	0.24	50.0000	104	78 - 129	2.93	20
Chloromethane	46.5100	5.0	1.1	50.0000	93.0	63 - 141	0.386	20
cis-1,2-Dichloroethene	38.6800	5.0	0.20	50.0000	77.4	83 - 125	7.46	20
cis-1,3-Dichloropropene	42.8900	5.0	0.39	50.0000	85.8	76 - 129	3.90	20

L3



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/08/2022

## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2C0978 - MSVOA\_S (continued)

#### LCS Dup (B2C0978-BSD1) - Continued

Prepared: 3/7/2022 Analyzed: 3/7/2022

Di-isopropyl ether	47.2700	5.0	1.9	50.0000		94.5	73 - 132	6.31	20	
Dibromochloromethane	46.9800	5.0	0.81	50.0000		94.0	81 - 120	8.01	20	
Dibromomethane	47.1600	5.0	0.23	50.0000		94.3	79 - 124	8.21	20	
Dichlorodifluoromethane	48.5300	5.0	0.14	50.0000		97.1	18 - 199	5.46	20	
Ethyl Acetate	28.5300	50	7.0	500.000		5.71	76 - 138	99.1	20	MO, R
Ethyl Ether	594.330	50	17	500.000		119	74 - 128	0.343	20	
Ethyl tert-butyl ether	48.2900	5.0	0.85	50.0000		96.6	50 - 175	8.10	20	
Ethylbenzene	46.7000	5.0	0.43	50.0000		93.4	86 - 130	0.322	20	
Freon-113	63.5600	5.0	1.3	50.0000		127	66 - 132	2.78	20	
Hexachlorobutadiene	44.7300	5.0	0.40	50.0000		89.5	64 - 135	0.0670	20	
Isopropylbenzene	46.0900	5.0	0.79	50.0000		92.2	80 - 133	1.16	20	
m,p-Xylene	93.3800	10	0.98	100.000		93.4	89 - 133	1.46	20	
Methylene chloride	49.9600	5.0	2.2	50.0000		99.9	72 - 143	6.02	20	
MTBE	47.3500	5.0	0.81	50.0000		94.7	73 - 136	2.07	20	
n-Butylbenzene	42.6200	5.0	1.2	50.0000		85.2	76 - 144	1.47	20	
n-Propylbenzene	44.3300	5.0	0.78	50.0000		88.7	81 - 136	2.79	20	
Naphthalene	42.4200	5.0	1.1	50.0000		84.8	64 - 128	4.09	20	
o-Xylene	46.7600	5.0	0.67	50.0000		93.5	82 - 134	1.51	20	
sec-Butylbenzene	44.4000	5.0	0.63	50.0000		88.8	81 - 138	1.57	20	
Styrene	45.1900	5.0	0.45	50.0000		90.4	79 - 152	1.43	20	
tert-Amyl methyl ether	48.9300	5.0	1.1	50.0000		97.9	48 - 166	7.18	20	
tert-Butanol	178.030	100	11	250.000		71.2	48 - 148	3.35	20	
tert-Butylbenzene	44.4100	5.0	0.80	50.0000		88.8	81 - 135	5.55	20	
Tetrachloroethene	46.3100	5.0	0.31	50.0000		92.6	75 - 127	0.628	20	
Toluene	46.5200	5.0	0.27	50.0000		93.0	88 - 130	2.28	20	
trans-1,2-Dichloroethene	66.8500	5.0	0.56	50.0000		134	79 - 127	0.343	20	L4
trans-1,3-Dichloropropene	48.9500	5.0	0.59	50.0000		97.9	80 - 130	3.51	20	
Trichloroethene	50.2600	5.0	0.32	50.0000		101	83 - 126	0.0597	20	
Trichlorofluoromethane	65.8600	5.0	1.0	50.0000		132	62 - 143	1.10	20	
Vinyl acetate	34.3600	50	6.0	500.000		6.87	69 - 150	39.2	20	MO, R
Vinyl chloride	54.7800	5.0	0.92	50.0000		110	69 - 140	2.06	20	

Surrogate: 1,2-Dichloroethane-d4	54.34			50.0000		109	66 - 200			
Surrogate: 4-Bromofluorobenzene	51.16			50.0000		102	50 - 146			
Surrogate: Dibromofluoromethane	56.27			50.0000		113	77 - 159			
Surrogate: Toluene-d8	49.48			50.0000		99.0	81 - 128			



## Certificate of Analysis

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19200 Von Karman Ave., Suite 800

Irvine, CA 92612

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Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B2C0908 - MSSEMI\_NAL

#### Blank (B2C0908-BLK1)

Prepared: 3/2/2022 Analyzed: 3/3/2022

1,2,4-Trichlorobenzene	ND	330	50							
1,2-Dichlorobenzene	ND	330	26							
1,3-Dichlorobenzene	ND	330	27							
1,4-Dichlorobenzene	ND	330	27							
2,4,5-Trichlorophenol	ND	330	30							
2,4,6-Trichlorophenol	ND	330	35							
2,4-Dichlorophenol	ND	1600	34							
2,4-Dimethylphenol	ND	330	26							
2,4-Dinitrophenol	ND	1600	86							
2,4-Dinitrotoluene	ND	330	33							
2,6-Dinitrotoluene	ND	330	49							
2-Chloronaphthalene	ND	330	28							
2-Chlorophenol	ND	330	31							
2-Methylnaphthalene	ND	330	27							
2-Methylphenol	ND	330	36							
2-Nitroaniline	ND	1600	43							
2-Nitrophenol	ND	330	45							
3,3'-Dichlorobenzidine	ND	660	280							
3-Nitroaniline	ND	1600	49							
4,6-Dinitro-2-methylphenol	ND	1600	41							
4-Bromophenyl-phenylether	ND	330	64							
4-Chloro-3-methylphenol	ND	660	71							
4-Chloroaniline	ND	660	53							
4-Chlorophenyl-phenylether	ND	330	33							
4-Methylphenol	ND	330	57							
4-Nitroaniline	ND	1600	37							
4-Nitrophenol	ND	330	64							
Acenaphthene	ND	330	43							
Acenaphthylene	ND	330	62							
Anthracene	ND	330	51							
Benzidine (M)	ND	1600	1400							
Benzo(a)anthracene	ND	330	44							
Benzo(a)pyrene	ND	330	64							
Benzo(b)fluoranthene	ND	330	65							
Benzo(g,h,i)perylene	ND	330	81							
Benzo(k)fluoranthene	ND	330	33							
Benzoic acid	ND	1600	890							
Benzyl alcohol	ND	660	32							
bis(2-chloroethoxy)methane	ND	330	64							
bis(2-Chloroethyl)ether	ND	330	66							
bis(2-chloroisopropyl)ether	ND	330	76							
bis(2-ethylhexyl)phthalate	ND	330	63							
Butylbenzylphthalate	ND	330	41							
Chrysene	ND	330	84							





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## Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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### Batch B2C0908 - MSSEMI\_NAL (continued)

#### Blank (B2C0908-BLK1) - Continued

Prepared: 3/2/2022 Analyzed: 3/3/2022

Di-n-butylphthalate	ND	330	51							
Di-n-octylphthalate	ND	330	63							
Dibenz(a,h)anthracene	ND	330	45							
Dibenzofuran	ND	330	58							
Diethyl phthalate	ND	330	58							
Dimethyl phthalate	ND	330	40							
Fluoranthene	ND	330	60							
Fluorene	ND	330	110							
Hexachlorobenzene	ND	330	55							
Hexachlorobutadiene	ND	660	53							
Hexachlorocyclopentadiene	ND	660	70							
Hexachloroethane	ND	330	94							
Indeno(1,2,3-cd)pyrene	ND	330	75							
Isophorone	ND	330	85							
N-Nitroso-di-n propylamine	ND	330	60							
N-Nitrosodiphenylamine	ND	330	32							
Naphthalene	ND	330	56							
Nitrobenzene	ND	330	57							
Pentachlorophenol	ND	1600	50							
Phenanthrene	ND	330	67							
Phenol	ND	330	34							
Pyrene	ND	330	72							
Pyridine	ND	1600	270							

Surrogate: 1,2-Dichlorobenzene-d4	4698			6666.67		70.5	23 - 102			
Surrogate: 2,4,6-Tribromophenol	6040			10000.0		60.4	3 - 138			
Surrogate: 2-Chlorophenol-d4	6775			10000.0		67.7	18 - 105			
Surrogate: 2-Fluorobiphenyl	4978			6666.67		74.7	34 - 106			
Surrogate: 2-Fluorophenol	6617			10000.0		66.2	16 - 94			
Surrogate: 4-Terphenyl-d14	6160			6666.67		92.4	31 - 130			
Surrogate: Nitrobenzene-d5	4384			6666.67		65.8	23 - 102			
Surrogate: Phenol-d6	6804			10000.0		68.0	14 - 104			

#### LCS (B2C0908-BS1)

Prepared: 3/2/2022 Analyzed: 3/3/2022

1,2,4-Trichlorobenzene	4932.00	330	50	6666.67		74.0	41 - 104			
1,2-Dichlorobenzene	3913.33	330	26	6666.67		58.7	37 - 100			
1,3-Dichlorobenzene	4074.67	330	27	6666.67		61.1	36 - 98			
1,4-Dichlorobenzene	3834.67	330	27	6666.67		57.5	37 - 97			
2,4,5-Trichlorophenol	6374.00	330	30	6666.67		95.6	47 - 115			
2,4,6-Trichlorophenol	6145.33	330	35	6666.67		92.2	48 - 119			
2,4-Dichlorophenol	5186.00	1600	34	6666.67		77.8	46 - 118			
2,4-Dimethylphenol	5138.00	330	26	6666.67		77.1	41 - 114			
2,4-Dinitrophenol	4144.00	1600	86	6666.67		62.2	0 - 180			
2,4-Dinitrotoluene	5840.67	330	33	6666.67		87.6	40 - 138			
2,6-Dinitrotoluene	5696.67	330	49	6666.67		85.4	45 - 131			



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## Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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### Batch B2C0908 - MSSEMI\_NAL (continued)

#### LCS (B2C0908-BS1) - Continued

Prepared: 3/2/2022 Analyzed: 3/3/2022

2-Chloronaphthalene	5182.67	330	28	6666.67		77.7	46 - 112			
2-Chlorophenol	4642.67	330	31	6666.67		69.6	41 - 99			
2-Methylnaphthalene	5185.33	330	27	6666.67		77.8	45 - 111			
2-Methylphenol	4804.00	330	36	6666.67		72.1	40 - 92			
2-Nitroaniline	4866.00	1600	43	6666.67		73.0	44 - 130			
2-Nitrophenol	4834.67	330	45	6666.67		72.5	34 - 114			
3,3'-Dichlorobenzidine	4650.67	660	280	6666.67		69.8	41 - 128			
3-Nitroaniline	5526.00	1600	49	6666.67		82.9	47 - 123			
4,6-Dinitro-2-methylphenol	5470.00	1600	41	6666.67		82.0	2 - 172			
4-Bromophenyl-phenylether	5561.33	330	64	6666.67		83.4	49 - 116			
4-Chloro-3-methylphenol	5658.00	660	71	6666.67		84.9	45 - 127			
4-Chloroaniline	5171.33	660	53	6666.67		77.6	50 - 106			
4-Chlorophenyl-phenylether	5864.00	330	33	6666.67		88.0	49 - 115			
4-Methylphenol	2607.33	330	57	3333.33		78.2	43 - 109			
4-Nitroaniline	5699.33	1600	37	6666.67		85.5	44 - 125			
4-Nitrophenol	4750.67	330	64	6666.67		71.3	30 - 146			
Acenaphthene	5400.67	330	43	6666.67		81.0	44 - 110			
Acenaphthylene	5298.67	330	62	6666.67		79.5	42 - 111			
Anthracene	5840.67	330	51	6666.67		87.6	41 - 117			
Benzidine (M)	3040.00	1600	1400	6666.67		45.6	0 - 189			
Benzo(a)anthracene	6249.33	330	44	6666.67		93.7	45 - 110			
Benzo(a)pyrene	6220.00	330	64	6666.67		93.3	45 - 116			
Benzo(b)fluoranthene	6229.33	330	65	6666.67		93.4	43 - 112			
Benzo(g,h,i)perylene	5737.33	330	81	6666.67		86.1	43 - 113			
Benzo(k)fluoranthene	5710.00	330	33	6666.67		85.6	42 - 114			
Benzoic acid	2812.00	1600	890	6666.67		42.2	0 - 134			
Benzyl alcohol	5068.67	660	32	6666.67		76.0	39 - 117			
bis(2-chloroethoxy)methane	4775.33	330	64	6666.67		71.6	43 - 102			
bis(2-Chloroethyl)ether	3928.67	330	66	6666.67		58.9	38 - 99			
bis(2-chloroisopropyl)ether	3979.33	330	76	6666.67		59.7	30 - 104			
bis(2-ethylhexyl)phthalate	5077.33	330	63	6666.67		76.2	49 - 123			
Butylbenzylphthalate	5034.00	330	41	6666.67		75.5	49 - 122			
Chrysene	6301.33	330	84	6666.67		94.5	46 - 111			
Di-n-butylphthalate	5824.67	330	51	6666.67		87.4	48 - 118			
Di-n-octylphthalate	5880.67	330	63	6666.67		88.2	46 - 131			
Dibenz(a,h)anthracene	5812.67	330	45	6666.67		87.2	43 - 113			
Dibenzofuran	5376.00	330	58	6666.67		80.6	50 - 113			
Diethyl phthalate	5418.00	330	58	6666.67		81.3	50 - 115			
Dimethyl phthalate	5494.67	330	40	6666.67		82.4	48 - 112			
Fluoranthene	5834.00	330	60	6666.67		87.5	40 - 119			
Fluorene	5268.00	330	110	6666.67		79.0	41 - 117			
Hexachlorobenzene	4638.67	330	55	6666.67		69.6	46 - 123			
Hexachlorobutadiene	5091.33	660	53	6666.67		76.4	37 - 104			
Hexachlorocyclopentadiene	4747.33	660	70	6666.67		71.2	30 - 128			



# Certificate of Analysis

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Reported : 03/08/2022

## Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2C0908 - MSSEMI\_NAL (continued)

#### LCS (B2C0908-BS1) - Continued

Prepared: 3/2/2022 Analyzed: 3/3/2022

Hexachloroethane	4006.67	330	94	6666.67		60.1	38 - 103			
Indeno(1,2,3-cd)pyrene	5935.33	330	75	6666.67		89.0	43 - 113			
Isophorone	5074.00	330	85	6666.67		76.1	43 - 109			
N-Nitroso-di-n propylamine	4760.00	330	60	6666.67		71.4	44 - 111			
N-Nitrosodiphenylamine	5900.67	330	32	6666.67		88.5	48 - 113			
Naphthalene	4911.33	330	56	6666.67		73.7	38 - 103			
Nitrobenzene	4291.33	330	57	6666.67		64.4	40 - 111			
Pentachlorophenol	5288.00	1600	50	6666.67		79.3	33 - 130			
Phenanthrene	5731.33	330	67	6666.67		86.0	42 - 119			
Phenol	4324.67	330	34	6666.67		64.9	43 - 104			
Pyrene	6143.33	330	72	6666.67		92.1	38 - 120			
Pyridine	2601.33	1600	270	6666.67		39.0	0 - 72			

Surrogate: 1,2-Dichlorobenzene-d4	4509			6666.67		67.6	23 - 102			
Surrogate: 2,4,6-Tribromophenol	7584			10000.0		75.8	3 - 138			
Surrogate: 2-Chlorophenol-d4	7185			10000.0		71.9	18 - 105			
Surrogate: 2-Fluorobiphenyl	5677			6666.67		85.2	34 - 106			
Surrogate: 2-Fluorophenol	6333			10000.0		63.3	16 - 94			
Surrogate: 4-Terphenyl-d14	6321			6666.67		94.8	31 - 130			
Surrogate: Nitrobenzene-d5	4637			6666.67		69.6	23 - 102			
Surrogate: Phenol-d6	6843			10000.0		68.4	14 - 104			

#### Matrix Spike (B2C0908-MS1)

Source: 2200270-01

Prepared: 3/2/2022 Analyzed: 3/3/2022

1,2,4-Trichlorobenzene	4480.00	6600	990	6666.67	ND	67.2	35 - 113			
1,2-Dichlorobenzene	4666.67	6600	510	6666.67	ND	70.0	32 - 102			
1,3-Dichlorobenzene	4226.67	6600	550	6666.67	ND	63.4	32 - 100			
1,4-Dichlorobenzene	4280.00	6600	540	6666.67	ND	64.2	33 - 97			
2,4,5-Trichlorophenol	2880.00	6600	590	6666.67	ND	43.2	36 - 124			
2,4,6-Trichlorophenol	2560.00	6600	690	6666.67	ND	38.4	37 - 130			
2,4-Dichlorophenol	2013.33	33000	670	6666.67	ND	30.2	32 - 130			M6
2,4-Dimethylphenol	2266.67	6600	510	6666.67	ND	34.0	30 - 128			
2,4-Dinitrophenol	ND	33000	1700	6666.67	ND	NR	0 - 203			
2,4-Dinitrotoluene	1906.67	6600	660	6666.67	ND	28.6	21 - 168			
2,6-Dinitrotoluene	3226.67	6600	970	6666.67	ND	48.4	31 - 152			
2-Chloronaphthalene	4746.67	6600	560	6666.67	ND	71.2	33 - 130			
2-Chlorophenol	3653.33	6600	610	6666.67	ND	54.8	32 - 106			
2-Methylnaphthalene	4626.67	6600	540	6666.67	ND	69.4	33 - 125			
2-Methylphenol	3426.67	6600	720	6666.67	ND	51.4	34 - 96			
2-Nitroaniline	ND	33000	850	6666.67	ND	NR	30 - 146			M6
2-Nitrophenol	ND	6600	900	6666.67	ND	NR	22 - 125			M6
3,3'-Dichlorobenzidine	ND	13000	5600	6666.67	ND	NR	19 - 144			M6
3-Nitroaniline	ND	33000	980	6666.67	ND	NR	36 - 133			M6
4,6-Dinitro-2-methylphenol	ND	33000	830	6666.67	ND	NR	0 - 196			
4-Bromophenyl-phenylether	4373.33	6600	1300	6666.67	ND	65.6	41 - 121			
4-Chloro-3-methylphenol	1746.67	13000	1400	6666.67	ND	26.2	39 - 134			M6



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## Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2C0908 - MSSEMI\_NAL (continued)

#### Matrix Spike (B2C0908-MS1) - Continued

Source: 2200270-01

Prepared: 3/2/2022 Analyzed: 3/3/2022

4-Chloroaniline	ND	13000	1100	6666.67	ND	NR	37 - 115			M6
4-Chlorophenyl-phenylether	4853.33	6600	670	6666.67	ND	72.8	34 - 133			
4-Methylphenol	ND	6600	1100	3333.33	ND	NR	34 - 121			M6
4-Nitroaniline	ND	33000	750	6666.67	ND	NR	30 - 138			M6
4-Nitrophenol	ND	6600	1300	6666.67	ND	NR	5 - 154			M6
Acenaphthene	5160.00	6600	850	6666.67	ND	77.4	33 - 121			
Acenaphthylene	4520.00	6600	1200	6666.67	ND	67.8	35 - 120			
Anthracene	4640.00	6600	1000	6666.67	ND	69.6	28 - 133			
Benzidine (M)	ND	33000	29000	6666.67	ND	NR	8 - 175			M6
Benzo(a)anthracene	5266.67	6600	870	6666.67	ND	79.0	32 - 127			
Benzo(a)pyrene	4013.33	6600	1300	6666.67	ND	60.2	35 - 127			
Benzo(b)fluoranthene	4573.33	6600	1300	6666.67	ND	68.6	29 - 126			
Benzo(g,h,i)perylene	4173.33	6600	1600	6666.67	ND	62.6	26 - 129			
Benzo(k)fluoranthene	4746.67	6600	650	6666.67	ND	71.2	36 - 120			
Benzoic acid	ND	33000	18000	6666.67	ND	NR	0 - 208			
Benzyl alcohol	1346.67	13000	640	6666.67	ND	20.2	32 - 120			M6
bis(2-chloroethoxy)methane	3213.33	6600	1300	6666.67	ND	48.2	34 - 108			
bis(2-Chloroethyl)ether	4106.67	6600	1300	6666.67	ND	61.6	34 - 100			
bis(2-chloroisopropyl)ether	3826.67	6600	1500	6666.67	ND	57.4	21 - 111			
bis(2-ethylhexyl)phthalate	14266.7	6600	1300	6666.67	ND	214	39 - 131			M6
Butylbenzylphthalate	14066.7	6600	830	6666.67	ND	211	39 - 129			M6
Chrysene	5933.33	6600	1700	6666.67	ND	89.0	33 - 126			
Di-n-butylphthalate	3200.00	6600	1000	6666.67	ND	48.0	42 - 122			
Di-n-octylphthalate	15973.3	6600	1300	6666.67	ND	240	30 - 147			M6
Dibenz(a,h)anthracene	3680.00	6600	900	6666.67	ND	55.2	30 - 126			
Dibenzofuran	5066.67	6600	1200	6666.67	ND	76.0	36 - 133			
Diethyl phthalate	3840.00	6600	1200	6666.67	ND	57.6	28 - 139			
Dimethyl phthalate	4146.67	6600	810	6666.67	ND	62.2	32 - 129			
Fluoranthene	5106.67	6600	1200	6666.67	ND	76.6	23 - 140			
Fluorene	4240.00	6600	2100	6666.67	ND	63.6	32 - 130			
Hexachlorobenzene	4480.00	6600	1100	6666.67	ND	67.2	27 - 148			
Hexachlorobutadiene	5013.33	13000	1100	6666.67	ND	75.2	29 - 112			
Hexachlorocyclopentadiene	2440.00	13000	1400	6666.67	ND	36.6	13 - 147			
Hexachloroethane	3680.00	6600	1900	6666.67	ND	55.2	31 - 104			
Indeno(1,2,3-cd)pyrene	3520.00	6600	1500	6666.67	ND	52.8	21 - 137			
Isophorone	2946.67	6600	1700	6666.67	ND	44.2	34 - 112			
N-Nitroso-di-n propylamine	3026.67	6600	1200	6666.67	ND	45.4	36 - 115			
N-Nitrosodiphenylamine	4373.33	6600	630	6666.67	ND	65.6	40 - 120			
Naphthalene	5106.67	6600	1100	6666.67	ND	76.6	33 - 108			
Nitrobenzene	3213.33	6600	1100	6666.67	ND	48.2	32 - 122			
Pentachlorophenol	ND	33000	990	6666.67	ND	NR	0 - 151			
Phenanthrene	5680.00	6600	1300	6666.67	ND	85.2	40 - 122			
Phenol	2813.33	6600	680	6666.67	ND	42.2	35 - 112			
Pyrene	5453.33	6600	1400	6666.67	ND	81.8	28 - 132			



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/08/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0908 - MSSEMI\_NAL (continued)**

**Matrix Spike (B2C0908-MS1) - Continued**

**Source: 2200270-01**

Prepared: 3/2/2022 Analyzed: 3/3/2022

Pyridine	ND	33000	5300	6666.67	ND	NR	5 - 107			M6
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	4720			6666.67		70.8	23 - 102			
<i>Surrogate: 2,4,6-Tribromophenol</i>	2720			10000.0		27.2	3 - 138			
<i>Surrogate: 2-Chlorophenol-d4</i>	5787			10000.0		57.9	18 - 105			
<i>Surrogate: 2-Fluorobiphenyl</i>	4827			6666.67		72.4	34 - 106			
<i>Surrogate: 2-Fluorophenol</i>	2453			10000.0		24.5	16 - 94			
<i>Surrogate: 4-Terphenyl-d14</i>	4733			6666.67		71.0	31 - 130			
<i>Surrogate: Nitrobenzene-d5</i>	3013			6666.67		45.2	23 - 102			
<i>Surrogate: Phenol-d6</i>	3867			10000.0		38.7	14 - 104			

**Matrix Spike Dup (B2C0908-MSD1)**

**Source: 2200270-01**

Prepared: 3/2/2022 Analyzed: 3/3/2022

1,2,4-Trichlorobenzene	4293.33	6600	990	6666.67	ND	64.4	35 - 113	4.26	20	
1,2-Dichlorobenzene	4533.33	6600	510	6666.67	ND	68.0	32 - 102	2.90	20	
1,3-Dichlorobenzene	4280.00	6600	550	6666.67	ND	64.2	32 - 100	1.25	20	
1,4-Dichlorobenzene	4146.67	6600	540	6666.67	ND	62.2	33 - 97	3.16	20	
2,4,5-Trichlorophenol	2146.67	6600	590	6666.67	ND	32.2	36 - 124	29.2	20	M6
2,4,6-Trichlorophenol	2373.33	6600	690	6666.67	ND	35.6	37 - 130	7.57	20	M6
2,4-Dichlorophenol	1853.33	33000	670	6666.67	ND	27.8	32 - 130	8.28	20	M6
2,4-Dimethylphenol	1906.67	6600	510	6666.67	ND	28.6	30 - 128	17.3	20	M6
2,4-Dinitrophenol	ND	33000	1700	6666.67	ND	NR	0 - 203	NR	20	
2,4-Dinitrotoluene	1440.00	6600	660	6666.67	ND	21.6	21 - 168	27.9	20	R
2,6-Dinitrotoluene	3080.00	6600	970	6666.67	ND	46.2	31 - 152	4.65	20	
2-Chloronaphthalene	4453.33	6600	560	6666.67	ND	66.8	33 - 130	6.38	20	
2-Chlorophenol	3826.67	6600	610	6666.67	ND	57.4	32 - 106	4.63	20	
2-Methylnaphthalene	4040.00	6600	540	6666.67	ND	60.6	33 - 125	13.5	20	
2-Methylphenol	1893.33	6600	720	6666.67	ND	28.4	34 - 96	57.6	20	M6, R
2-Nitroaniline	ND	33000	850	6666.67	ND	NR	30 - 146	NR	20	M6
2-Nitrophenol	ND	6600	900	6666.67	ND	NR	22 - 125	NR	20	M6
3,3'-Dichlorobenzidine	ND	13000	5600	6666.67	ND	NR	19 - 144	NR	20	M6
3-Nitroaniline	ND	33000	980	6666.67	ND	NR	36 - 133	NR	20	M6
4,6-Dinitro-2-methylphenol	ND	33000	830	6666.67	ND	NR	0 - 196	NR	20	
4-Bromophenyl-phenylether	3640.00	6600	1300	6666.67	ND	54.6	41 - 121	18.3	20	
4-Chloro-3-methylphenol	ND	13000	1400	6666.67	ND	NR	39 - 134	NR	20	M6
4-Chloroaniline	ND	13000	1100	6666.67	ND	NR	37 - 115	NR	20	M6
4-Chlorophenyl-phenylether	4386.67	6600	670	6666.67	ND	65.8	34 - 133	10.1	20	
4-Methylphenol	ND	6600	1100	3333.33	ND	NR	34 - 121	NR	20	M6
4-Nitroaniline	ND	33000	750	6666.67	ND	NR	30 - 138	NR	20	M6
4-Nitrophenol	ND	6600	1300	6666.67	ND	NR	5 - 154	NR	20	M6
Acenaphthene	4640.00	6600	850	6666.67	ND	69.6	33 - 121	10.6	20	
Acenaphthylene	4013.33	6600	1200	6666.67	ND	60.2	35 - 120	11.9	20	
Anthracene	3946.67	6600	1000	6666.67	ND	59.2	28 - 133	16.1	20	
Benzidine (M)	ND	33000	29000	6666.67	ND	NR	8 - 175	NR	20	M6
Benzo(a)anthracene	4586.67	6600	870	6666.67	ND	68.8	32 - 127	13.8	20	
Benzo(a)pyrene	3546.67	6600	1300	6666.67	ND	53.2	35 - 127	12.3	20	



# Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine , CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/08/2022

## Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2C0908 - MSSEMI\_NAL (continued)

#### Matrix Spike Dup (B2C0908-MSD1) - Continued

Source: 2200270-01

Prepared: 3/2/2022 Analyzed: 3/3/2022

Benzo(b)fluoranthene	4360.00	6600	1300	6666.67	ND	65.4	29 - 126	4.78	20	
Benzo(g,h,i)perylene	3760.00	6600	1600	6666.67	ND	56.4	26 - 129	10.4	20	
Benzo(k)fluoranthene	4560.00	6600	650	6666.67	ND	68.4	36 - 120	4.01	20	
Benzoic acid	ND	33000	18000	6666.67	ND	NR	0 - 208	NR	20	
Benzyl alcohol	ND	13000	640	6666.67	ND	NR	32 - 120	NR	20	M6
bis(2-chloroethoxy)methane	2706.67	6600	1300	6666.67	ND	40.6	34 - 108	17.1	20	
bis(2-Chloroethyl)ether	2440.00	6600	1300	6666.67	ND	36.6	34 - 100	50.9	20	R
bis(2-chloroisopropyl)ether	3760.00	6600	1500	6666.67	ND	56.4	21 - 111	1.76	20	
bis(2-ethylhexyl)phthalate	14280.0	6600	1300	6666.67	ND	214	39 - 131	0.0934	20	M6
Butylbenzylphthalate	14040.0	6600	830	6666.67	ND	211	39 - 129	0.190	20	M6
Chrysene	5186.67	6600	1700	6666.67	ND	77.8	33 - 126	13.4	20	
Di-n-butylphthalate	2493.33	6600	1000	6666.67	ND	37.4	42 - 122	24.8	20	M6, R
Di-n-octylphthalate	15733.3	6600	1300	6666.67	ND	236	30 - 147	1.51	20	M6
Dibenz(a,h)anthracene	2960.00	6600	900	6666.67	ND	44.4	30 - 126	21.7	20	R
Dibenzofuran	4546.67	6600	1200	6666.67	ND	68.2	36 - 133	10.8	20	
Diethyl phthalate	3306.67	6600	1200	6666.67	ND	49.6	28 - 139	14.9	20	
Dimethyl phthalate	3813.33	6600	810	6666.67	ND	57.2	32 - 129	8.38	20	
Fluoranthene	4066.67	6600	1200	6666.67	ND	61.0	23 - 140	22.7	20	R
Fluorene	4386.67	6600	2100	6666.67	ND	65.8	32 - 130	3.40	20	
Hexachlorobenzene	3906.67	6600	1100	6666.67	ND	58.6	27 - 148	13.7	20	
Hexachlorobutadiene	5346.67	13000	1100	6666.67	ND	80.2	29 - 112	6.44	20	
Hexachlorocyclopentadiene	2493.33	13000	1400	6666.67	ND	37.4	13 - 147	2.16	20	
Hexachloroethane	3746.67	6600	1900	6666.67	ND	56.2	31 - 104	1.80	20	
Indeno(1,2,3-cd)pyrene	3173.33	6600	1500	6666.67	ND	47.6	21 - 137	10.4	20	
Isophorone	2520.00	6600	1700	6666.67	ND	37.8	34 - 112	15.6	20	
N-Nitroso-di-n propylamine	2293.33	6600	1200	6666.67	ND	34.4	36 - 115	27.6	20	M6, R
N-Nitrosodiphenylamine	3533.33	6600	630	6666.67	ND	53.0	40 - 120	21.2	20	R
Naphthalene	4626.67	6600	1100	6666.67	ND	69.4	33 - 108	9.86	20	
Nitrobenzene	2933.33	6600	1100	6666.67	ND	44.0	32 - 122	9.11	20	
Pentachlorophenol	ND	33000	990	6666.67	ND	NR	0 - 151	NR	20	
Phenanthrene	4973.33	6600	1300	6666.67	ND	74.6	40 - 122	13.3	20	
Phenol	2213.33	6600	680	6666.67	ND	33.2	35 - 112	23.9	20	M6, R
Pyrene	4400.00	6600	1400	6666.67	ND	66.0	28 - 132	21.4	20	R
Pyridine	ND	33000	5300	6666.67	ND	NR	5 - 107	NR	20	M6

Surrogate: 1,2-Dichlorobenzene-d4	4280			6666.67		64.2	23 - 102			
Surrogate: 2,4,6-Tribromophenol	2107			10000.0		21.1	3 - 138			
Surrogate: 2-Chlorophenol-d4	4693			10000.0		46.9	18 - 105			
Surrogate: 2-Fluorobiphenyl	4160			6666.67		62.4	34 - 106			
Surrogate: 2-Fluorophenol	1853			10000.0		18.5	16 - 94			
Surrogate: 4-Terphenyl-d14	4280			6666.67		64.2	31 - 130			
Surrogate: Nitrobenzene-d5	2320			6666.67		34.8	23 - 102			
Surrogate: Phenol-d6	3493			10000.0		34.9	14 - 104			



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2200272

FROM: GSI Environmental Inc.  
19200 Von Karman Ave, Suite 800  
Irvine, CA 92612  
(949) 679-1070

PROJECT NAME: Ontario Airport

PROJECT CONTACT: Vinnie Robino / Josh Voss

GLOBAL ID:

PROJECT NO.: 5925

LAB CONTACT: Victoria Michel

SAMPLER(S): (PRINT) JCV

TEL: (949) 679-1070 E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com

LABORATORY: Advanced Technology Laboratories

TURNAROUND TIME:  SAME DAY  24 HR  48 HR  STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	PRESERVATION			ANALYSES									
		DATE	TIME			Unpreserved	Preserved	Field Filtered	T22 6010B/747A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	
	62-9-1-1	3/1/02	0900	Soil	1			X										
	62-9-1-6		0915		5		4					X	X	X				
	62-9-1-15		0922		5		4				X	X	X					
	62-9-2-1		0958		1			X										
	62-9-2-5.5		1015		5		4				X	X	X					
	62-9-3-1		1045		1			X										
	62-9-3-6		1100		5		4				X	X	X					
	62-9-4-1		1135		1			X										
	62-9-4-5.5		1150		5		4				X	X	X					
	62-2-3-1		1300		1			X										
	62-2-3-6		1315		5		4				X	X	X					
	62-2-1-1		1342		1			X										
	62-2-1-6		1355		5		4				X	X	X					
	TB-20220301		1415	↓	4		4				X							

Requested Analyzes: Please check box or fill in blank as needed.

Signature	Date	Time
Received by: (Signature)	3/1/02	1703
Relinquished by: (Signature)	3/1/02	18:58
Relinquished by: (Signature)		

March 16, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200285  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 02, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 03/16/22 11:46 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.





## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/16/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
62-2-2-1	2200285-01	Soil	3/02/22 8:05	3/02/22 17:32
62-2-2-6	2200285-02	Soil	3/02/22 8:20	3/02/22 17:32
62-2-4-1	2200285-03	Soil	3/02/22 8:43	3/02/22 17:32
62-2-4-6	2200285-04	Soil	3/02/22 8:55	3/02/22 17:32
68-12-2-1	2200285-05	Soil	3/02/22 10:23	3/02/22 17:32
68-12-2-6	2200285-06	Soil	3/02/22 10:40	3/02/22 17:32
68-12-1-1	2200285-07	Soil	3/02/22 11:25	3/02/22 17:32
68-12-1-6	2200285-08	Soil	3/02/22 11:40	3/02/22 17:32
68-2-1-1	2200285-09	Soil	3/02/22 12:35	3/02/22 17:32
68-2-1-5.5	2200285-10	Soil	3/02/22 12:55	3/02/22 17:32
68-2-2-1	2200285-11	Soil	3/02/22 13:30	3/02/22 17:32
68-2-2-5.5	2200285-12	Soil	3/02/22 13:50	3/02/22 17:32



# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/16/2022

## Notes and Definitions

- S4 Surrogate was diluted out.
- S1 Surrogate recovery was above laboratory acceptance limit. No associated target analyte was detected in the sample.
- R RPD value outside acceptance criteria. Calculation is based on raw values.
- MO Manufacturer omitted analyte within the stock standard.
- M2 Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
- L5 Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
- L4 Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
- L3 Laboratory control sample outside in-house established limits but within method criteria.
- D10 Sample required dilution due to dark sample
- ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)

- Notes:
- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
  - (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
  - (3) Results are wet unless otherwise specified.

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2200285-01	62-2-2-1	ND	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:07	
2200285-03	62-2-4-1	ND	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:10	
2200285-05	68-12-2-1	ND	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:13	
2200285-07	68-12-1-1	ND	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:15	
2200285-09	68-2-1-1	ND	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:18	
2200285-11	68-2-2-1	ND	mg/kg	0.10	1	B2C0946	03/04/2022	03/08/22 12:21	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 62-2-2-1**

**Lab ID: 2200285-01**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
<b>Barium</b>	<b>77</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
<b>Cobalt</b>	<b>4.7</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
<b>Copper</b>	<b>9.2</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:05	
<b>Lead</b>	<b>4.7</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
<b>Nickel</b>	<b>4.7</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
<b>Silver</b>	<b>4.9</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
<b>Vanadium</b>	<b>29</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:05	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 62-2-2-6**

**Lab ID: 2200285-02**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	50	5	B2C0928	03/03/2022	03/03/22 16:20	D10
C23-C32	ND	50	5	B2C0928	03/03/2022	03/03/22 16:20	D10
<i>Surrogate: p-Terphenyl</i>	<i>107 %</i>	<i>62 - 141</i>		B2C0928	03/03/2022	<i>03/03/22 16:20</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1,1-Trichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1,2-Trichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1-Dichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,1-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2,3-Trichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2-Dibromo-3-chloropropane	ND	9.5	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2-Dibromoethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2-Dichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,2-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,3-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,3-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
1,4-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
2,2-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
2-Chlorotoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
4-Chlorotoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
4-Isopropyltoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Benzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Bromobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Bromochloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Bromodichloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Bromoform	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Bromomethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Carbon disulfide	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Carbon tetrachloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Chlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 62-2-2-6**

**Lab ID: 2200285-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Chloroform	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Chloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Di-isopropyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Dibromochloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Dibromomethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Dichlorodifluoromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Ethyl Acetate	ND	47	1	B2C1029	03/09/2022	03/09/22 15:59	
Ethyl Ether	ND	47	1	B2C1029	03/09/2022	03/09/22 15:59	
Ethyl tert-butyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Ethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Freon-113	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Hexachlorobutadiene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Isopropylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
m,p-Xylene	ND	9.5	1	B2C1029	03/09/2022	03/09/22 15:59	
Methylene chloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
MTBE	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
n-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
n-Propylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Naphthalene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
o-Xylene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
sec-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Styrene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
tert-Amyl methyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
tert-Butanol	ND	95	1	B2C1029	03/09/2022	03/09/22 15:59	
tert-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Tetrachloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Toluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Trichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Trichlorofluoromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	
Vinyl acetate	ND	47	1	B2C1029	03/09/2022	03/09/22 15:59	
Vinyl chloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 15:59	

Surrogate: 1,2-Dichloroethane-d4	138 %	66 - 200		B2C1029	03/09/2022	03/09/22 15:59
Surrogate: 4-Bromofluorobenzene	94.8 %	50 - 146		B2C1029	03/09/2022	03/09/22 15:59
Surrogate: Dibromofluoromethane	119 %	77 - 159		B2C1029	03/09/2022	03/09/22 15:59
Surrogate: Toluene-d8	94.7 %	81 - 128		B2C1029	03/09/2022	03/09/22 15:59



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 62-2-2-6**  
**Lab ID: 2200285-02**

## Semivolatile Organic Compounds by EPA 8270C

**Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
1,2-Dichlorobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
1,3-Dichlorobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
1,4-Dichlorobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4,5-Trichlorophenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4,6-Trichlorophenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4-Dichlorophenol	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4-Dimethylphenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4-Dinitrophenol	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,4-Dinitrotoluene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2,6-Dinitrotoluene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Chloronaphthalene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Chlorophenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Methylnaphthalene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Methylphenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Nitroaniline	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
2-Nitrophenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
3,3'-Dichlorobenzidine	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
3-Nitroaniline	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4,6-Dinitro-2-methylphenol	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Bromophenyl-phenylether	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Chloro-3-methylphenol	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Chloroaniline	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Chlorophenyl-phenylether	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Methylphenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Nitroaniline	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
4-Nitrophenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Acenaphthene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Acenaphthylene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Anthracene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzidine (M)	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzo(a)anthracene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzo(a)pyrene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzo(b)fluoranthene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzo(g,h,i)perylene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzo(k)fluoranthene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzoic acid	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Benzyl alcohol	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
bis(2-chloroethoxy)methane	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
bis(2-Chloroethyl)ether	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
bis(2-chloroisopropyl)ether	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10



## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/16/2022

**Client Sample ID: 62-2-2-6**  
**Lab ID: 2200285-02**

### Semivolatile Organic Compounds by EPA 8270C

**Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
bis(2-ethylhexyl)phthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Butylbenzylphthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Chrysene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Di-n-butylphthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Di-n-octylphthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Dibenz(a,h)anthracene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Dibenzofuran	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Diethyl phthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Dimethyl phthalate	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Fluoranthene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Fluorene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Hexachlorobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Hexachlorobutadiene	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Hexachlorocyclopentadiene	ND	33000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Hexachloroethane	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Indeno(1,2,3-cd)pyrene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Isophorone	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
N-Nitroso-di-n propylamine	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
N-Nitrosodiphenylamine	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Naphthalene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Nitrobenzene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Pentachlorophenol	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Phenanthrene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Phenol	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Pyrene	ND	16000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
Pyridine	ND	82000	50	B2C0938	03/03/2022	03/04/22 14:23	D10
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>74.5 %</i>	<i>23 - 102</i>		B2C0938	03/03/2022	<i>03/04/22 14:23</i>	
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>0%</i>	<i>3 - 138</i>		B2C0938	03/03/2022	<i>03/04/22 14:23</i>	S4
<i>Surrogate: 2-Chlorophenol-d4</i>	<i>35.0 %</i>	<i>18 - 105</i>		B2C0938	03/03/2022	<i>03/04/22 14:23</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>66.0 %</i>	<i>34 - 106</i>		B2C0938	03/03/2022	<i>03/04/22 14:23</i>	
<i>Surrogate: 2-Fluorophenol</i>	<i>0%</i>	<i>16 - 94</i>		B2C0938	03/03/2022	<i>03/04/22 14:23</i>	S4
<i>Surrogate: 4-Terphenyl-d14</i>	<i>81.5 %</i>	<i>31 - 130</i>		B2C0938	03/03/2022	<i>03/04/22 14:23</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>0%</i>	<i>23 - 102</i>		B2C0938	03/03/2022	<i>03/04/22 14:23</i>	S4
<i>Surrogate: Phenol-d6</i>	<i>0%</i>	<i>14 - 104</i>		B2C0938	03/03/2022	<i>03/04/22 14:23</i>	S4

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1074	03/10/2022	03/11/22 01:02	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 62-2-2-6**

**Lab ID: 2200285-02**

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: 4-Bromofluorobenzene</i>	85.2 %	47.6 - 121.18		B2C1074	03/10/2022	03/11/22 01:02	

**Client Sample ID: 62-2-4-1**

**Lab ID: 2200285-03**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
<b>Barium</b>	<b>76</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
<b>Cobalt</b>	<b>5.1</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
<b>Copper</b>	<b>9.7</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:11	
<b>Lead</b>	<b>4.1</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
<b>Nickel</b>	<b>5.0</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
<b>Silver</b>	<b>5.1</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
<b>Vanadium</b>	<b>31</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	
<b>Zinc</b>	<b>34</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:11	





## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/16/2022

**Client Sample ID: 62-2-4-6**

**Lab ID: 2200285-04**

**Hydrocarbon Chain Distribution by EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0928	03/03/2022	03/03/22 16:40	
C23-C32	ND	10	1	B2C0928	03/03/2022	03/03/22 16:40	
<i>Surrogate: p-Terphenyl</i>	<i>129 %</i>	<i>62 - 141</i>		B2C0928	03/03/2022	03/03/22 16:40	

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1,1-Trichloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1,2,2-Tetrachloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1,2-Trichloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1-Dichloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1-Dichloroethene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,1-Dichloropropene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2,3-Trichloropropane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2,3-Trichlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2,4-Trichlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2,4-Trimethylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2-Dibromoethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2-Dichlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2-Dichloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,2-Dichloropropane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,3,5-Trimethylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,3-Dichlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,3-Dichloropropane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
1,4-Dichlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
2,2-Dichloropropane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
2-Chlorotoluene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
4-Chlorotoluene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
4-Isopropyltoluene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Benzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Bromobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Bromochloromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Bromodichloromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Bromoform	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Bromomethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Carbon disulfide	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Carbon tetrachloride	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Chlorobenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 62-2-4-6**  
**Lab ID: 2200285-04**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Chloroform	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Chloromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
cis-1,2-Dichloroethene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
cis-1,3-Dichloropropene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Di-isopropyl ether	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Dibromochloromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Dibromomethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Dichlorodifluoromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Ethyl Acetate	ND	53	1	B2C1029	03/09/2022	03/09/22 16:25	
Ethyl Ether	ND	53	1	B2C1029	03/09/2022	03/09/22 16:25	
Ethyl tert-butyl ether	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Ethylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Freon-113	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Hexachlorobutadiene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Isopropylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
m,p-Xylene	ND	11	1	B2C1029	03/09/2022	03/09/22 16:25	
Methylene chloride	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
MTBE	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
n-Butylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
n-Propylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Naphthalene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
o-Xylene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
sec-Butylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Styrene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
tert-Amyl methyl ether	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
tert-Butanol	ND	110	1	B2C1029	03/09/2022	03/09/22 16:25	
tert-Butylbenzene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Tetrachloroethene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Toluene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
trans-1,2-Dichloroethene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
trans-1,3-Dichloropropene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Trichloroethene	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Trichlorofluoromethane	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	
Vinyl acetate	ND	53	1	B2C1029	03/09/2022	03/09/22 16:25	
Vinyl chloride	ND	5.3	1	B2C1029	03/09/2022	03/09/22 16:25	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>130 %</i>	<i>66 - 200</i>	B2C1029	03/09/2022	<i>03/09/22 16:25</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.9 %</i>	<i>50 - 146</i>	B2C1029	03/09/2022	<i>03/09/22 16:25</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>106 %</i>	<i>77 - 159</i>	B2C1029	03/09/2022	<i>03/09/22 16:25</i>
<i>Surrogate: Toluene-d8</i>	<i>95.1 %</i>	<i>81 - 128</i>	B2C1029	03/09/2022	<i>03/09/22 16:25</i>



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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 62-2-4-6**

**Lab ID: 2200285-04**

**Semivolatile Organic Compounds by EPA 8270C**

**Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
1,2-Dichlorobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
1,3-Dichlorobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
1,4-Dichlorobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4,5-Trichlorophenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4,6-Trichlorophenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4-Dichlorophenol	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4-Dimethylphenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4-Dinitrophenol	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
2,4-Dinitrotoluene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2,6-Dinitrotoluene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Chloronaphthalene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Chlorophenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Methylnaphthalene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Methylphenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Nitroaniline	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
2-Nitrophenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
3,3'-Dichlorobenzidine	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
3-Nitroaniline	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
4,6-Dinitro-2-methylphenol	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Bromophenyl-phenylether	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Chloro-3-methylphenol	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Chloroaniline	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Chlorophenyl-phenylether	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Methylphenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Nitroaniline	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
4-Nitrophenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Acenaphthene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Acenaphthylene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Anthracene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzidine (M)	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzo(a)anthracene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzo(a)pyrene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzo(b)fluoranthene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzo(g,h,i)perylene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzo(k)fluoranthene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzoic acid	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
Benzyl alcohol	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
bis(2-chloroethoxy)methane	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
bis(2-Chloroethyl)ether	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 62-2-4-6**  
**Lab ID: 2200285-04**

## Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Butylbenzylphthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Chrysene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Di-n-butylphthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Di-n-octylphthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Dibenz(a,h)anthracene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Dibenzofuran	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Diethyl phthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Dimethyl phthalate	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Fluoranthene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Fluorene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Hexachlorobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Hexachlorobutadiene	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
Hexachlorocyclopentadiene	ND	660	1	B2C0938	03/03/2022	03/04/22 14:49	
Hexachloroethane	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Isophorone	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
N-Nitroso-di-n propylamine	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
N-Nitrosodiphenylamine	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Naphthalene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Nitrobenzene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Pentachlorophenol	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
Phenanthrene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Phenol	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Pyrene	ND	330	1	B2C0938	03/03/2022	03/04/22 14:49	
Pyridine	ND	1600	1	B2C0938	03/03/2022	03/04/22 14:49	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	61.4 %	23 - 102		B2C0938	03/03/2022	03/04/22 14:49	
<i>Surrogate: 2,4,6-Tribromophenol</i>	52.9 %	3 - 138		B2C0938	03/03/2022	03/04/22 14:49	
<i>Surrogate: 2-Chlorophenol-d4</i>	61.8 %	18 - 105		B2C0938	03/03/2022	03/04/22 14:49	
<i>Surrogate: 2-Fluorobiphenyl</i>	60.7 %	34 - 106		B2C0938	03/03/2022	03/04/22 14:49	
<i>Surrogate: 2-Fluorophenol</i>	52.8 %	16 - 94		B2C0938	03/03/2022	03/04/22 14:49	
<i>Surrogate: 4-Terphenyl-d14</i>	79.3 %	31 - 130		B2C0938	03/03/2022	03/04/22 14:49	
<i>Surrogate: Nitrobenzene-d5</i>	53.8 %	23 - 102		B2C0938	03/03/2022	03/04/22 14:49	
<i>Surrogate: Phenol-d6</i>	54.5 %	14 - 104		B2C0938	03/03/2022	03/04/22 14:49	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1074	03/10/2022	03/11/22 01:26	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 62-2-4-6**

**Lab ID: 2200285-04**

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: 4-Bromofluorobenzene</i>	86.5 %	47.6 - 121.18		B2C1074	03/10/2022	03/11/22 01:26	

**Client Sample ID: 68-12-2-1**

**Lab ID: 2200285-05**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<b>Antimony</b>	<b>8.4</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:13	
<b>Arsenic</b>	<b>3.4</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
<b>Barium</b>	<b>52</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
<b>Beryllium</b>	<b>1.7</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
<b>Cobalt</b>	<b>3.3</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
<b>Copper</b>	<b>62</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:13	
<b>Lead</b>	<b>87</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
<b>Nickel</b>	<b>6.0</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Silver	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
<b>Vanadium</b>	<b>23</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	
<b>Zinc</b>	<b>99</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:13	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 68-12-2-6**  
**Lab ID: 2200285-06**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0928	03/03/2022	03/03/22 17:00	
C23-C32	ND	10	1	B2C0928	03/03/2022	03/03/22 17:00	
<i>Surrogate: p-Terphenyl</i>	<i>117 %</i>	<i>62 - 141</i>		B2C0928	03/03/2022	03/03/22 17:00	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1,1-Trichloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1,2-Trichloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1-Dichloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1-Dichloroethene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,1-Dichloropropene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2,3-Trichloropropane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2-Dibromo-3-chloropropane	ND	9.8	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2-Dibromoethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2-Dichlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2-Dichloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,2-Dichloropropane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,3-Dichlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,3-Dichloropropane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
1,4-Dichlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
2,2-Dichloropropane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
2-Chlorotoluene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
4-Chlorotoluene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
4-Isopropyltoluene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Benzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Bromobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Bromochloromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Bromodichloromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Bromoform	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Bromomethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Carbon disulfide	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Carbon tetrachloride	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Chlorobenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 68-12-2-6**  
**Lab ID: 2200285-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Chloroform	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Chloromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Di-isopropyl ether	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Dibromochloromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Dibromomethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Dichlorodifluoromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Ethyl Acetate	ND	49	1	B2C1029	03/09/2022	03/09/22 16:51	
Ethyl Ether	ND	49	1	B2C1029	03/09/2022	03/09/22 16:51	
Ethyl tert-butyl ether	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Ethylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Freon-113	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Hexachlorobutadiene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Isopropylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
m,p-Xylene	ND	9.8	1	B2C1029	03/09/2022	03/09/22 16:51	
Methylene chloride	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
MTBE	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
n-Butylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
n-Propylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Naphthalene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
o-Xylene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
sec-Butylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Styrene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
tert-Amyl methyl ether	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
tert-Butanol	ND	98	1	B2C1029	03/09/2022	03/09/22 16:51	
tert-Butylbenzene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Tetrachloroethene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Toluene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Trichloroethene	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Trichlorofluoromethane	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	
Vinyl acetate	ND	49	1	B2C1029	03/09/2022	03/09/22 16:51	
Vinyl chloride	ND	4.9	1	B2C1029	03/09/2022	03/09/22 16:51	

Surrogate: 1,2-Dichloroethane-d4	133 %	66 - 200		B2C1029	03/09/2022	03/09/22 16:51	
Surrogate: 4-Bromofluorobenzene	91.8 %	50 - 146		B2C1029	03/09/2022	03/09/22 16:51	
Surrogate: Dibromofluoromethane	114 %	77 - 159		B2C1029	03/09/2022	03/09/22 16:51	
Surrogate: Toluene-d8	92.7 %	81 - 128		B2C1029	03/09/2022	03/09/22 16:51	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 68-12-2-6**

**Lab ID: 2200285-06**

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1074	03/10/2022	03/11/22 01:51	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.5 %</i>	<i>47.6 - 121.18</i>		B2C1074	03/10/2022	<i>03/11/22 01:51</i>	

**Client Sample ID: 68-12-1-1**

**Lab ID: 2200285-07**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
<b>Barium</b>	<b>68</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
<b>Beryllium</b>	<b>2.1</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
<b>Chromium</b>	<b>10</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
<b>Cobalt</b>	<b>4.0</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
<b>Copper</b>	<b>8.4</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:15	
<b>Lead</b>	<b>1.9</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
<b>Nickel</b>	<b>3.5</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
<b>Silver</b>	<b>8.3</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
<b>Vanadium</b>	<b>24</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	
<b>Zinc</b>	<b>26</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:15	





## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/16/2022

**Client Sample ID: 68-12-1-6**  
**Lab ID: 2200285-08**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0928	03/03/2022	03/03/22 17:20	
C23-C32	ND	10	1	B2C0928	03/03/2022	03/03/22 17:20	
<i>Surrogate: p-Terphenyl</i>	<i>148 %</i>	<i>62 - 141</i>		B2C0928	03/03/2022	03/03/22 17:20	S1

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1,1-Trichloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1,2,2-Tetrachloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1,2-Trichloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1-Dichloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1-Dichloroethene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,1-Dichloropropene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2,3-Trichloropropane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2,3-Trichlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2,4-Trichlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2,4-Trimethylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2-Dibromoethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2-Dichlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2-Dichloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,2-Dichloropropane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,3,5-Trimethylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,3-Dichlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,3-Dichloropropane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
1,4-Dichlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
2,2-Dichloropropane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
2-Chlorotoluene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
4-Chlorotoluene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
4-Isopropyltoluene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Benzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Bromobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Bromochloromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Bromodichloromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Bromoform	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Bromomethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Carbon disulfide	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Carbon tetrachloride	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Chlorobenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 68-12-1-6**  
**Lab ID: 2200285-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Chloroform	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Chloromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
cis-1,2-Dichloroethene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
cis-1,3-Dichloropropene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Di-isopropyl ether	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Dibromochloromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Dibromomethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Dichlorodifluoromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Ethyl Acetate	ND	56	1	B2C1029	03/09/2022	03/09/22 17:17	
Ethyl Ether	ND	56	1	B2C1029	03/09/2022	03/09/22 17:17	
Ethyl tert-butyl ether	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Ethylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Freon-113	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Hexachlorobutadiene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Isopropylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
m,p-Xylene	ND	11	1	B2C1029	03/09/2022	03/09/22 17:17	
Methylene chloride	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
MTBE	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
n-Butylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
n-Propylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Naphthalene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
o-Xylene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
sec-Butylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Styrene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
tert-Amyl methyl ether	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
tert-Butanol	ND	110	1	B2C1029	03/09/2022	03/09/22 17:17	
tert-Butylbenzene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Tetrachloroethene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Toluene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
trans-1,2-Dichloroethene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
trans-1,3-Dichloropropene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Trichloroethene	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Trichlorofluoromethane	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	
Vinyl acetate	ND	56	1	B2C1029	03/09/2022	03/09/22 17:17	
Vinyl chloride	ND	5.6	1	B2C1029	03/09/2022	03/09/22 17:17	

Surrogate: 1,2-Dichloroethane-d4	148 %	66 - 200		B2C1029	03/09/2022	03/09/22 17:17
Surrogate: 4-Bromofluorobenzene	96.3 %	50 - 146		B2C1029	03/09/2022	03/09/22 17:17
Surrogate: Dibromofluoromethane	117 %	77 - 159		B2C1029	03/09/2022	03/09/22 17:17
Surrogate: Toluene-d8	94.2 %	81 - 128		B2C1029	03/09/2022	03/09/22 17:17



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 68-12-1-6**

**Lab ID: 2200285-08**

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.99	1	B2C1074	03/10/2022	03/11/22 02:15	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.2 %</i>	<i>47.6 - 121.18</i>		B2C1074	03/10/2022	<i>03/11/22 02:15</i>	

**Client Sample ID: 68-2-1-1**

**Lab ID: 2200285-09**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
<b>Barium</b>	<b>84</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
<b>Beryllium</b>	<b>2.6</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
<b>Cobalt</b>	<b>4.9</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
<b>Copper</b>	<b>10</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:17	
<b>Lead</b>	<b>2.9</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
<b>Nickel</b>	<b>4.4</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
<b>Silver</b>	<b>5.2</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
<b>Vanadium</b>	<b>31</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:17	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 68-2-1-5.5**  
**Lab ID: 2200285-10**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0928	03/03/2022	03/03/22 17:41	
C23-C32	ND	10	1	B2C0928	03/03/2022	03/03/22 17:41	
<i>Surrogate: p-Terphenyl</i>	<i>104 %</i>	<i>62 - 141</i>		B2C0928	03/03/2022	<i>03/03/22 17:41</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1,1-Trichloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1,2-Trichloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1-Dichloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1-Dichloroethene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,1-Dichloropropene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2,3-Trichloropropane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2,3-Trichlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2,4-Trichlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2,4-Trimethylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2-Dibromoethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2-Dichlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2-Dichloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,2-Dichloropropane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,3,5-Trimethylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,3-Dichlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,3-Dichloropropane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
1,4-Dichlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
2,2-Dichloropropane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
2-Chlorotoluene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
4-Chlorotoluene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
4-Isopropyltoluene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Benzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Bromobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Bromochloromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Bromodichloromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Bromoform	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Bromomethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Carbon disulfide	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Carbon tetrachloride	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Chlorobenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

Client Sample ID: 68-2-1-5.5

Lab ID: 2200285-10

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Chloroform	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Chloromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
cis-1,2-Dichloroethene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
cis-1,3-Dichloropropene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Di-isopropyl ether	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Dibromochloromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Dibromomethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Dichlorodifluoromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Ethyl Acetate	ND	37	1	B2C1029	03/09/2022	03/09/22 17:43	
Ethyl Ether	ND	37	1	B2C1029	03/09/2022	03/09/22 17:43	
Ethyl tert-butyl ether	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Ethylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Freon-113	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Hexachlorobutadiene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Isopropylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
m,p-Xylene	ND	7.3	1	B2C1029	03/09/2022	03/09/22 17:43	
Methylene chloride	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
MTBE	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
n-Butylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
n-Propylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Naphthalene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
o-Xylene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
sec-Butylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Styrene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
tert-Amyl methyl ether	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
tert-Butanol	ND	73	1	B2C1029	03/09/2022	03/09/22 17:43	
tert-Butylbenzene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Tetrachloroethene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Toluene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
trans-1,2-Dichloroethene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
trans-1,3-Dichloropropene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Trichloroethene	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Trichlorofluoromethane	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	
Vinyl acetate	ND	37	1	B2C1029	03/09/2022	03/09/22 17:43	
Vinyl chloride	ND	3.7	1	B2C1029	03/09/2022	03/09/22 17:43	

Surrogate: 1,2-Dichloroethane-d4	144 %	66 - 200		B2C1029	03/09/2022	03/09/22 17:43
Surrogate: 4-Bromofluorobenzene	94.0 %	50 - 146		B2C1029	03/09/2022	03/09/22 17:43
Surrogate: Dibromofluoromethane	125 %	77 - 159		B2C1029	03/09/2022	03/09/22 17:43
Surrogate: Toluene-d8	98.6 %	81 - 128		B2C1029	03/09/2022	03/09/22 17:43



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/16/2022

**Client Sample ID: 68-2-1-5.5**

**Lab ID: 2200285-10**

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1074	03/10/2022	03/11/22 02:39	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>85.4 %</i>	<i>47.6 - 121.18</i>		B2C1074	03/10/2022	<i>03/11/22 02:39</i>	

**Client Sample ID: 68-2-2-1**

**Lab ID: 2200285-11**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
<b>Barium</b>	<b>110</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
<b>Beryllium</b>	<b>3.1</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
<b>Chromium</b>	<b>16</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
<b>Cobalt</b>	<b>6.3</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
<b>Copper</b>	<b>13</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:19	
<b>Lead</b>	<b>12</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
<b>Nickel</b>	<b>5.5</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
<b>Silver</b>	<b>6.4</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
<b>Vanadium</b>	<b>37</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	
<b>Zinc</b>	<b>54</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:19	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 68-2-2-5.5**

**Lab ID: 2200285-12**

**Hydrocarbon Chain Distribution by EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0928	03/03/2022	03/03/22 18:01	
C23-C32	ND	10	1	B2C0928	03/03/2022	03/03/22 18:01	
<i>Surrogate: p-Terphenyl</i>	<i>102 %</i>	<i>62 - 141</i>		B2C0928	03/03/2022	<i>03/03/22 18:01</i>	

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1,1-Trichloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1,2,2-Tetrachloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1,2-Trichloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1-Dichloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1-Dichloroethene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,1-Dichloropropene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2,3-Trichloropropane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2,3-Trichlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2,4-Trichlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2,4-Trimethylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2-Dibromo-3-chloropropane	ND	6.9	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2-Dibromoethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2-Dichlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2-Dichloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,2-Dichloropropane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,3,5-Trimethylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,3-Dichlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,3-Dichloropropane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
1,4-Dichlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
2,2-Dichloropropane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
2-Chlorotoluene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
4-Chlorotoluene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
4-Isopropyltoluene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Benzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Bromobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Bromochloromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Bromodichloromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Bromoform	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Bromomethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Carbon disulfide	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Carbon tetrachloride	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Chlorobenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	



## Certificate of Analysis

GSI Environmental, Inc.  
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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

**Client Sample ID: 68-2-2-5.5**  
**Lab ID: 2200285-12**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Chloroform	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Chloromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
cis-1,2-Dichloroethene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
cis-1,3-Dichloropropene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Di-isopropyl ether	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Dibromochloromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Dibromomethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Dichlorodifluoromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Ethyl Acetate	ND	35	1	B2C1029	03/09/2022	03/09/22 18:09	
Ethyl Ether	ND	35	1	B2C1029	03/09/2022	03/09/22 18:09	
Ethyl tert-butyl ether	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Ethylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Freon-113	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Hexachlorobutadiene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Isopropylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
m,p-Xylene	ND	6.9	1	B2C1029	03/09/2022	03/09/22 18:09	
Methylene chloride	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
MTBE	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
n-Butylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
n-Propylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Naphthalene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
o-Xylene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
sec-Butylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Styrene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
tert-Amyl methyl ether	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
tert-Butanol	ND	69	1	B2C1029	03/09/2022	03/09/22 18:09	
tert-Butylbenzene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Tetrachloroethene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Toluene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
trans-1,2-Dichloroethene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
trans-1,3-Dichloropropene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Trichloroethene	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Trichlorofluoromethane	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	
Vinyl acetate	ND	35	1	B2C1029	03/09/2022	03/09/22 18:09	
Vinyl chloride	ND	3.5	1	B2C1029	03/09/2022	03/09/22 18:09	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>154 %</i>	<i>66 - 200</i>		B2C1029	03/09/2022	<i>03/09/22 18:09</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.0 %</i>	<i>50 - 146</i>		B2C1029	03/09/2022	<i>03/09/22 18:09</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>121 %</i>	<i>77 - 159</i>		B2C1029	03/09/2022	<i>03/09/22 18:09</i>
<i>Surrogate: Toluene-d8</i>	<i>93.9 %</i>	<i>81 - 128</i>		B2C1029	03/09/2022	<i>03/09/22 18:09</i>





## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/16/2022

**Client Sample ID: 68-2-2-5.5**

**Lab ID: 2200285-12**

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1074	03/10/2022	03/11/22 03:04	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.6 %</i>	<i>47.6 - 121.18</i>		B2C1074	03/10/2022	<i>03/11/22 03:04</i>	



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### QUALITY CONTROL SECTION

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1074 - GCVOA_S</b>										
<b>Blank (B2C1074-BLK1)</b>										
						Prepared: 3/10/2022 Analyzed: 3/11/2022				
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6410</i>			<i>0.800000</i>		<i>80.1</i>	<i>47.6 - 121.18</i>			
<b>LCS (B2C1074-BS1)</b>										
						Prepared: 3/10/2022 Analyzed: 3/10/2022				
Gasoline Range Organics	5.70800	1.0	0.13	5.00000		114	58.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7177</i>			<i>0.800000</i>		<i>89.7</i>	<i>47.6 - 121.18</i>			
<b>LCS Dup (B2C1074-BSD1)</b>										
						Prepared: 3/10/2022 Analyzed: 3/11/2022				
Gasoline Range Organics	5.85800	1.0	0.13	5.00000		117	58.69 - 124.04	2.59	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7248</i>			<i>0.800000</i>		<i>90.6</i>	<i>47.6 - 121.18</i>			



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0951 - EPA 3050B\_S**

**Blank (B2C0951-BLK1)**

Prepared: 3/4/2022 Analyzed: 3/8/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

**LCS (B2C0951-BS1)**

Prepared: 3/4/2022 Analyzed: 3/8/2022

Antimony	23.1854	2.0	0.51	25.0000	92.7	80 - 120
Arsenic	22.9458	1.0	0.12	25.0000	91.8	80 - 120
Barium	22.3880	1.0	0.12	25.0000	89.6	80 - 120
Beryllium	24.0710	1.0	0.03	25.0100	96.2	80 - 120
Cadmium	23.7821	1.0	0.14	25.0000	95.1	80 - 120
Chromium	23.3078	1.0	0.26	25.0000	93.2	80 - 120
Cobalt	24.8833	1.0	0.07	25.0000	99.5	80 - 120
Copper	22.9524	2.0	0.19	25.0000	91.8	80 - 120
Lead	23.3185	1.0	0.18	25.0000	93.3	80 - 120
Molybdenum	23.9518	1.0	0.12	25.0000	95.8	80 - 120
Nickel	23.5133	1.0	0.18	25.0000	94.1	80 - 120
Selenium	23.8315	1.0	0.40	25.0000	95.3	80 - 120
Silver	11.2073	1.0	0.12	12.5000	89.7	80 - 120
Thallium	23.3307	1.0	0.38	25.0000	93.3	80 - 120
Vanadium	23.1011	1.0	0.06	25.0000	92.4	80 - 120
Zinc	23.7356	1.0	0.15	25.0000	94.9	80 - 120

**Matrix Spike (B2C0951-MS1)**

Source: 2200285-01

Prepared: 3/4/2022 Analyzed: 3/8/2022

Antimony	10.9099	2.0	0.51	25.0000	ND	43.6	0 - 102
Arsenic	19.5336	1.0	0.12	25.0000	ND	78.1	55 - 117
Barium	96.8798	1.0	0.12	25.0000	76.8436	80.1	11 - 177
Beryllium	18.2354	1.0	0.03	25.0100	2.40245	63.3	64 - 115
Cadmium	20.1361	1.0	0.14	25.0000	0.387800	79.0	62 - 116
Chromium	32.2407	1.0	0.26	25.0000	12.7233	78.1	42 - 145
Cobalt	25.7868	1.0	0.07	25.0000	4.68113	84.4	60 - 126
Copper	31.0476	2.0	0.19	25.0000	9.22346	87.3	37 - 163
Lead	23.1841	1.0	0.18	25.0000	4.72732	73.8	26 - 161

M2



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0951 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C0951-MS1) - Continued**

**Source: 2200285-01**

Prepared: 3/4/2022 Analyzed: 3/8/2022

Molybdenum	20.2106	1.0	0.12	25.0000	0.160201	80.2	31 - 122			
Nickel	19.4956	1.0	0.18	25.0000	4.69301	59.2	52 - 130			
Selenium	19.3991	1.0	0.40	25.0000	ND	77.6	25 - 129			
Silver	14.7389	1.0	0.12	12.5000	4.94651	78.3	48 - 133			
Thallium	19.0993	1.0	0.38	25.0000	ND	76.4	25 - 119			
Vanadium	50.4672	1.0	0.06	25.0000	28.8134	86.6	51 - 141			
Zinc	52.8232	1.0	0.15	25.0000	32.6049	80.9	8 - 170			

**Matrix Spike Dup (B2C0951-MSD1)**

**Source: 2200285-01**

Prepared: 3/4/2022 Analyzed: 3/8/2022

Antimony	10.5937	2.0	0.51	25.0000	ND	42.4	0 - 102	2.94	20	
Arsenic	19.4829	1.0	0.12	25.0000	ND	77.9	55 - 117	0.260	20	
Barium	96.2537	1.0	0.12	25.0000	76.8436	77.6	11 - 177	0.648	20	
Beryllium	18.1937	1.0	0.03	25.0100	2.40245	63.1	64 - 115	0.229	20	M2
Cadmium	19.9435	1.0	0.14	25.0000	0.387800	78.2	62 - 116	0.961	20	
Chromium	32.0574	1.0	0.26	25.0000	12.7233	77.3	42 - 145	0.570	20	
Cobalt	25.7364	1.0	0.07	25.0000	4.68113	84.2	60 - 126	0.195	20	
Copper	30.4054	2.0	0.19	25.0000	9.22346	84.7	37 - 163	2.09	20	
Lead	22.9674	1.0	0.18	25.0000	4.72732	73.0	26 - 161	0.939	20	
Molybdenum	20.1250	1.0	0.12	25.0000	0.160201	79.9	31 - 122	0.425	20	
Nickel	19.5683	1.0	0.18	25.0000	4.69301	59.5	52 - 130	0.372	20	
Selenium	20.1247	1.0	0.40	25.0000	ND	80.5	25 - 129	3.67	20	
Silver	14.8017	1.0	0.12	12.5000	4.94651	78.8	48 - 133	0.425	20	
Thallium	18.4734	1.0	0.38	25.0000	ND	73.9	25 - 119	3.33	20	
Vanadium	50.3514	1.0	0.06	25.0000	28.8134	86.2	51 - 141	0.230	20	
Zinc	52.1772	1.0	0.15	25.0000	32.6049	78.3	8 - 170	1.23	20	



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 Reported : 03/16/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	Limits Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C0946 - EPA 7471_S</b>										
<b>Blank (B2C0946-BLK1)</b>										
										Prepared: 3/4/2022 Analyzed: 3/8/2022
Mercury	ND	0.10	0.01							
<b>LCS (B2C0946-BS1)</b>										
										Prepared: 3/4/2022 Analyzed: 3/8/2022
Mercury	0.423307	0.10	0.01	0.416667		102	80 - 120			
<b>Matrix Spike (B2C0946-MS1)</b>										
										Source: 2200255-01 Prepared: 3/4/2022 Analyzed: 3/8/2022
Mercury	0.425701	0.10	0.01	0.416667	ND	102	70 - 130			
<b>Matrix Spike Dup (B2C0946-MSD1)</b>										
										Source: 2200255-01 Prepared: 3/4/2022 Analyzed: 3/8/2022
Mercury	0.423594	0.10	0.01	0.416667	ND	102	70 - 130	0.496	20	



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Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/16/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C0946 - EPA 7471\_S

Post Spike (B2C0946-PS1)

Source: 2200255-01

Prepared: 3/4/2022 Analyzed: 3/8/2022

Mercury	0.005005		5.00000E-3	0.000096	98.2	85 - 115			
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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0928 - GCSEMI_DRO_S</b>										
<b>Blank (B2C0928-BLK1)</b>					Prepared: 3/3/2022 Analyzed: 3/3/2022					
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<hr/>										
<i>Surrogate: p-Terphenyl</i>	82.53			80.0000		103	62 - 141			
<b>Blank (B2C0928-BLK2)</b>					Prepared: 3/3/2022 Analyzed: 3/7/2022					
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<hr/>										
<i>Surrogate: p-Terphenyl</i>	91.48			80.0000		114	62 - 141			
<b>LCS (B2C0928-BS1)</b>					Prepared: 3/3/2022 Analyzed: 3/3/2022					
DRO	1008.65	10	3.6	1000.00		101	56 - 139			
<hr/>										
<i>Surrogate: p-Terphenyl</i>	89.22			80.0000		112	62 - 141			
<b>LCS (B2C0928-BS2)</b>					Prepared: 3/3/2022 Analyzed: 3/7/2022					
DRO	1065.00	10	3.6	1000.00		107	56 - 139			
<hr/>										
<i>Surrogate: p-Terphenyl</i>	95.45			80.0000		119	62 - 141			
<b>Duplicate (B2C0928-DUP1)</b>					Source: 2200212-31 Prepared: 3/3/2022 Analyzed: 3/3/2022					
DRO	6.26000	10	3.6		6.13900			1.95	20	
<hr/>										
<i>Surrogate: p-Terphenyl</i>	110.3			80.0000		138	62 - 141			
<b>Matrix Spike (B2C0928-MS1)</b>					Source: 2200284-01 Prepared: 3/3/2022 Analyzed: 3/3/2022					
DRO	945.678	20	7.1	1000.00	20.9720	92.5	38 - 161			
<hr/>										
<i>Surrogate: p-Terphenyl</i>	89.47			80.0000		112	62 - 141			
<b>Matrix Spike Dup (B2C0928-MSD1)</b>					Source: 2200284-01 Prepared: 3/3/2022 Analyzed: 3/3/2022					
DRO	957.378	20	7.1	1000.00	20.9720	93.6	38 - 161	1.23	20	
<hr/>										
<i>Surrogate: p-Terphenyl</i>	88.49			80.0000		111	62 - 141			



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Project Number : Ontario Airport / 5925  
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 Reported : 03/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1029 - MSVOA\_S**

**Blank (B2C1029-BLK1)**

Prepared: 3/9/2022 Analyzed: 3/9/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						





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Reported : 03/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1029 - MSVOA\_S (continued)**

**Blank (B2C1029-BLK1) - Continued**

Prepared: 3/9/2022 Analyzed: 3/9/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	63.82	50.0000	128	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	45.13	50.0000	90.3	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	56.24	50.0000	112	77 - 159
<i>Surrogate: Toluene-d8</i>	48.33	50.0000	96.7	81 - 128

**Blank (B2C1029-BLK2)**

Prepared: 3/9/2022 Analyzed: 3/9/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1029 - MSVOA\_S (continued)**

**Blank (B2C1029-BLK2) - Continued**

Prepared: 3/9/2022 Analyzed: 3/9/2022

1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						
Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1029 - MSVOA\_S (continued)**

**Blank (B2C1029-BLK2) - Continued**

Prepared: 3/9/2022 Analyzed: 3/9/2022

tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	62.77		50.0000	126	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	48.40		50.0000	96.8	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	53.97		50.0000	108	77 - 159
<i>Surrogate: Toluene-d8</i>	47.58		50.0000	95.2	81 - 128

**LCS (B2C1029-BS1)**

Prepared: 3/9/2022 Analyzed: 3/9/2022

1,1,1,2-Tetrachloroethane	50.2600	5.0	0.52	50.0000	101	84 - 123
1,1,1-Trichloroethane	58.7400	5.0	0.26	50.0000	117	78 - 133
1,1,2,2-Tetrachloroethane	39.3400	5.0	0.21	50.0000	78.7	63 - 127
1,1,2-Trichloroethane	47.6200	5.0	0.40	50.0000	95.2	80 - 125
1,1-Dichloroethane	53.5300	5.0	1.4	50.0000	107	77 - 128
1,1-Dichloroethene	57.2700	5.0	1.9	50.0000	115	69 - 138
1,1-Dichloropropene	51.0800	5.0	0.54	50.0000	102	80 - 133
1,2,3-Trichloropropane	43.7000	5.0	0.40	50.0000	87.4	74 - 123
1,2,3-Trichlorobenzene	45.0600	5.0	0.83	50.0000	90.1	79 - 133
1,2,4-Trichlorobenzene	43.5000	5.0	0.80	50.0000	87.0	73 - 131
1,2,4-Trimethylbenzene	45.8100	5.0	0.91	50.0000	91.6	86 - 137
1,2-Dibromo-3-chloropropane	42.9100	10	1.1	50.0000	85.8	62 - 127
1,2-Dibromoethane	48.4300	5.0	0.40	50.0000	96.9	83 - 126
1,2-Dichlorobenzene	43.4400	5.0	0.21	50.0000	86.9	83 - 123
1,2-Dichloroethane	55.5800	5.0	0.50	50.0000	111	76 - 128
1,2-Dichloropropane	44.5100	5.0	0.46	50.0000	89.0	77 - 121
1,3,5-Trimethylbenzene	44.9900	5.0	0.70	50.0000	90.0	84 - 135
1,3-Dichlorobenzene	43.8600	5.0	0.36	50.0000	87.7	81 - 126
1,3-Dichloropropane	48.7100	5.0	0.49	50.0000	97.4	80 - 118
1,4-Dichlorobenzene	44.8100	5.0	0.27	50.0000	89.6	80 - 124
2,2-Dichloropropane	53.1300	5.0	0.28	50.0000	106	72 - 135
2-Chlorotoluene	46.2600	5.0	0.53	50.0000	92.5	81 - 127
4-Chlorotoluene	45.9800	5.0	0.40	50.0000	92.0	83 - 127
4-Isopropyltoluene	43.6400	5.0	0.81	50.0000	87.3	82 - 143
Benzene	49.9700	5.0	0.36	50.0000	99.9	84 - 123
Bromobenzene	44.7900	5.0	0.62	50.0000	89.6	80 - 122
Bromochloromethane	50.4800	5.0	0.30	50.0000	101	83 - 127
Bromodichloromethane	54.1900	5.0	0.52	50.0000	108	82 - 123
Bromoform	47.3900	5.0	1.4	50.0000	94.8	80 - 132
Bromomethane	79.7500	5.0	2.5	50.0000	160	67 - 176



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 03/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1029 - MSVOA_S (continued)</b>									
<b>LCS (B2C1029-BS1) - Continued</b>					Prepared: 3/9/2022 Analyzed: 3/9/2022				
Carbon disulfide	57.3000	5.0	0.94	50.0000		115	75 - 138		
Carbon tetrachloride	54.0200	5.0	0.73	50.0000		108	76 - 131		
Chlorobenzene	47.8600	5.0	0.42	50.0000		95.7	84 - 119		
Chloroethane	67.1000	5.0	1.5	50.0000		134	56 - 170		
Chloroform	56.9800	5.0	0.24	50.0000		114	78 - 129		
Chloromethane	46.3000	5.0	1.1	50.0000		92.6	63 - 141		
cis-1,2-Dichloroethene	41.1200	5.0	0.20	50.0000		82.2	83 - 125		L3
cis-1,3-Dichloropropene	42.7700	5.0	0.39	50.0000		85.5	76 - 129		
Di-isopropyl ether	46.8500	5.0	1.9	50.0000		93.7	73 - 132		
Dibromochloromethane	45.2900	5.0	0.81	50.0000		90.6	81 - 120		
Dibromomethane	51.4800	5.0	0.23	50.0000		103	79 - 124		
Dichlorodifluoromethane	51.9600	5.0	0.14	50.0000		104	18 - 199		
Ethyl Acetate	32.2300	50	7.0	500.000		6.45	76 - 138		MO
Ethyl Ether	655.370	50	17	500.000		131	74 - 128		L4
Ethyl tert-butyl ether	47.5600	5.0	0.85	50.0000		95.1	50 - 175		
Ethylbenzene	49.8400	5.0	0.43	50.0000		99.7	86 - 130		
Freon-113	64.6700	5.0	1.3	50.0000		129	66 - 132		
Hexachlorobutadiene	49.5600	5.0	0.40	50.0000		99.1	64 - 135		
Isopropylbenzene	45.4000	5.0	0.79	50.0000		90.8	80 - 133		
m,p-Xylene	98.7300	10	0.98	100.000		98.7	89 - 133		
Methylene chloride	51.4400	5.0	2.2	50.0000		103	72 - 143		
MTBE	49.3900	5.0	0.81	50.0000		98.8	73 - 136		
n-Butylbenzene	45.6600	5.0	1.2	50.0000		91.3	76 - 144		
n-Propylbenzene	45.5600	5.0	0.78	50.0000		91.1	81 - 136		
Naphthalene	40.3100	5.0	1.1	50.0000		80.6	64 - 128		
o-Xylene	49.2700	5.0	0.67	50.0000		98.5	82 - 134		
sec-Butylbenzene	44.5600	5.0	0.63	50.0000		89.1	81 - 138		
Styrene	48.5700	5.0	0.45	50.0000		97.1	79 - 152		
tert-Amyl methyl ether	49.9400	5.0	1.1	50.0000		99.9	48 - 166		
tert-Butanol	180.980	100	11	250.000		72.4	48 - 148		
tert-Butylbenzene	44.9400	5.0	0.80	50.0000		89.9	81 - 135		
Tetrachloroethene	50.9000	5.0	0.31	50.0000		102	75 - 127		
Toluene	50.0700	5.0	0.27	50.0000		100	88 - 130		
trans-1,2-Dichloroethene	70.0000	5.0	0.56	50.0000		140	79 - 127		L5
trans-1,3-Dichloropropene	48.8800	5.0	0.59	50.0000		97.8	80 - 130		
Trichloroethene	50.8500	5.0	0.32	50.0000		102	83 - 126		
Trichlorofluoromethane	68.4500	5.0	1.0	50.0000		137	62 - 143		
Vinyl acetate	36.8600	50	6.0	500.000		7.37	69 - 150		MO
Vinyl chloride	61.2000	5.0	0.92	50.0000		122	69 - 140		

Surrogate: 1,2-Dichloroethane-d4	59.12			50.0000		118	66 - 200		
Surrogate: 4-Bromofluorobenzene	50.83			50.0000		102	50 - 146		
Surrogate: Dibromofluoromethane	53.59			50.0000		107	77 - 159		
Surrogate: Toluene-d8	48.47			50.0000		96.9	81 - 128		

**LCS Dup (B2C1029-BSD1)**

Prepared: 3/9/2022 Analyzed: 3/9/2022



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1029 - MSVOA\_S (continued)**

**LCS Dup (B2C1029-BSD1) - Continued**

Prepared: 3/9/2022 Analyzed: 3/9/2022

1,1,1,2-Tetrachloroethane	48.6900	5.0	0.52	50.0000		97.4	84 - 123	3.17	20	
1,1,1-Trichloroethane	56.7200	5.0	0.26	50.0000		113	78 - 133	3.50	20	
1,1,2,2-Tetrachloroethane	43.3100	5.0	0.21	50.0000		86.6	63 - 127	9.61	20	
1,1,2-Trichloroethane	50.8500	5.0	0.40	50.0000		102	80 - 125	6.56	20	
1,1-Dichloroethane	51.8200	5.0	1.4	50.0000		104	77 - 128	3.25	20	
1,1-Dichloroethene	56.3300	5.0	1.9	50.0000		113	69 - 138	1.65	20	
1,1-Dichloropropene	49.9300	5.0	0.54	50.0000		99.9	80 - 133	2.28	20	
1,2,3-Trichloropropane	45.3800	5.0	0.40	50.0000		90.8	74 - 123	3.77	20	
1,2,3-Trichlorobenzene	47.2500	5.0	0.83	50.0000		94.5	79 - 133	4.74	20	
1,2,4-Trichlorobenzene	44.6900	5.0	0.80	50.0000		89.4	73 - 131	2.70	20	
1,2,4-Trimethylbenzene	46.8000	5.0	0.91	50.0000		93.6	86 - 137	2.14	20	
1,2-Dibromo-3-chloropropane	47.0200	10	1.1	50.0000		94.0	62 - 127	9.14	20	
1,2-Dibromoethane	48.8000	5.0	0.40	50.0000		97.6	83 - 126	0.761	20	
1,2-Dichlorobenzene	45.0000	5.0	0.21	50.0000		90.0	83 - 123	3.53	20	
1,2-Dichloroethane	54.3200	5.0	0.50	50.0000		109	76 - 128	2.29	20	
1,2-Dichloropropane	48.7900	5.0	0.46	50.0000		97.6	77 - 121	9.17	20	
1,3,5-Trimethylbenzene	46.0300	5.0	0.70	50.0000		92.1	84 - 135	2.29	20	
1,3-Dichlorobenzene	45.0800	5.0	0.36	50.0000		90.2	81 - 126	2.74	20	
1,3-Dichloropropane	48.5200	5.0	0.49	50.0000		97.0	80 - 118	0.391	20	
1,4-Dichlorobenzene	44.7200	5.0	0.27	50.0000		89.4	80 - 124	0.201	20	
2,2-Dichloropropane	54.5800	5.0	0.28	50.0000		109	72 - 135	2.69	20	
2-Chlorotoluene	44.7700	5.0	0.53	50.0000		89.5	81 - 127	3.27	20	
4-Chlorotoluene	47.6400	5.0	0.40	50.0000		95.3	83 - 127	3.55	20	
4-Isopropyltoluene	46.8200	5.0	0.81	50.0000		93.6	82 - 143	7.03	20	
Benzene	50.8800	5.0	0.36	50.0000		102	84 - 123	1.80	20	
Bromobenzene	47.0100	5.0	0.62	50.0000		94.0	80 - 122	4.84	20	
Bromochloromethane	47.3900	5.0	0.30	50.0000		94.8	83 - 127	6.31	20	
Bromodichloromethane	54.6600	5.0	0.52	50.0000		109	82 - 123	0.864	20	
Bromoform	48.2000	5.0	1.4	50.0000		96.4	80 - 132	1.69	20	
Bromomethane	76.6100	5.0	2.5	50.0000		153	67 - 176	4.02	20	
Carbon disulfide	54.3200	5.0	0.94	50.0000		109	75 - 138	5.34	20	
Carbon tetrachloride	57.5500	5.0	0.73	50.0000		115	76 - 131	6.33	20	
Chlorobenzene	48.5700	5.0	0.42	50.0000		97.1	84 - 119	1.47	20	
Chloroethane	65.8100	5.0	1.5	50.0000		132	56 - 170	1.94	20	
Chloroform	55.9900	5.0	0.24	50.0000		112	78 - 129	1.75	20	
Chloromethane	46.8600	5.0	1.1	50.0000		93.7	63 - 141	1.20	20	
cis-1,2-Dichloroethene	39.3500	5.0	0.20	50.0000		78.7	83 - 125	4.40	20	L3
cis-1,3-Dichloropropene	43.4200	5.0	0.39	50.0000		86.8	76 - 129	1.51	20	
Di-isopropyl ether	48.0000	5.0	1.9	50.0000		96.0	73 - 132	2.42	20	
Dibromochloromethane	49.2800	5.0	0.81	50.0000		98.6	81 - 120	8.44	20	
Dibromomethane	49.4600	5.0	0.23	50.0000		98.9	79 - 124	4.00	20	
Dichlorodifluoromethane	48.6900	5.0	0.14	50.0000		97.4	18 - 199	6.50	20	
Ethyl Acetate	18.4700	50	7.0	500.000		3.69	76 - 138	54.3	20	MO, R
Ethyl Ether	636.320	50	17	500.000		127	74 - 128	2.95	20	
Ethyl tert-butyl ether	46.8800	5.0	0.85	50.0000		93.8	50 - 175	1.44	20	



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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 Reported : 03/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1029 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2C1029-BSD1) - Continued</b>					Prepared: 3/9/2022 Analyzed: 3/9/2022				
Ethylbenzene	51.1200	5.0	0.43	50.0000		102	86 - 130	2.54	20
Freon-113	63.1200	5.0	1.3	50.0000		126	66 - 132	2.43	20
Hexachlorobutadiene	48.1300	5.0	0.40	50.0000		96.3	64 - 135	2.93	20
Isopropylbenzene	49.1600	5.0	0.79	50.0000		98.3	80 - 133	7.95	20
m,p-Xylene	101.660	10	0.98	100.000		102	89 - 133	2.92	20
Methylene chloride	50.7100	5.0	2.2	50.0000		101	72 - 143	1.43	20
MTBE	46.6800	5.0	0.81	50.0000		93.4	73 - 136	5.64	20
n-Butylbenzene	45.9400	5.0	1.2	50.0000		91.9	76 - 144	0.611	20
n-Propylbenzene	45.2600	5.0	0.78	50.0000		90.5	81 - 136	0.661	20
Naphthalene	42.4000	5.0	1.1	50.0000		84.8	64 - 128	5.05	20
o-Xylene	51.0100	5.0	0.67	50.0000		102	82 - 134	3.47	20
sec-Butylbenzene	46.2400	5.0	0.63	50.0000		92.5	81 - 138	3.70	20
Styrene	47.9400	5.0	0.45	50.0000		95.9	79 - 152	1.31	20
tert-Amyl methyl ether	48.5600	5.0	1.1	50.0000		97.1	48 - 166	2.80	20
tert-Butanol	180.400	100	11	250.000		72.2	48 - 148	0.321	20
tert-Butylbenzene	45.9000	5.0	0.80	50.0000		91.8	81 - 135	2.11	20
Tetrachloroethene	49.1000	5.0	0.31	50.0000		98.2	75 - 127	3.60	20
Toluene	51.4400	5.0	0.27	50.0000		103	88 - 130	2.70	20
trans-1,2-Dichloroethene	70.2800	5.0	0.56	50.0000		141	79 - 127	0.399	20 L5
trans-1,3-Dichloropropene	47.3900	5.0	0.59	50.0000		94.8	80 - 130	3.10	20
Trichloroethene	53.2000	5.0	0.32	50.0000		106	83 - 126	4.52	20
Trichlorofluoromethane	70.5000	5.0	1.0	50.0000		141	62 - 143	2.95	20
Vinyl acetate	26.1600	50	6.0	500.000		5.23	69 - 150	34.0	20 MO, R
Vinyl chloride	59.7600	5.0	0.92	50.0000		120	69 - 140	2.38	20
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Surrogate: 1,2-Dichloroethane-d4	59.51			50.0000		119	66 - 200		
Surrogate: 4-Bromofluorobenzene	50.15			50.0000		100	50 - 146		
Surrogate: Dibromofluoromethane	55.45			50.0000		111	77 - 159		
Surrogate: Toluene-d8	48.91			50.0000		97.8	81 - 128		



# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

## Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2C0938 - MSSEMI\_NAL

#### Blank (B2C0938-BLK1)

Prepared: 3/3/2022 Analyzed: 3/4/2022

1,2,4-Trichlorobenzene	ND	330	50						
1,2-Dichlorobenzene	ND	330	26						
1,3-Dichlorobenzene	ND	330	27						
1,4-Dichlorobenzene	ND	330	27						
2,4,5-Trichlorophenol	ND	330	30						
2,4,6-Trichlorophenol	ND	330	35						
2,4-Dichlorophenol	ND	1600	34						
2,4-Dimethylphenol	ND	330	26						
2,4-Dinitrophenol	ND	1600	86						
2,4-Dinitrotoluene	ND	330	33						
2,6-Dinitrotoluene	ND	330	49						
2-Chloronaphthalene	ND	330	28						
2-Chlorophenol	ND	330	31						
2-Methylnaphthalene	ND	330	27						
2-Methylphenol	ND	330	36						
2-Nitroaniline	ND	1600	43						
2-Nitrophenol	ND	330	45						
3,3'-Dichlorobenzidine	ND	660	280						
3-Nitroaniline	ND	1600	49						
4,6-Dinitro-2-methylphenol	ND	1600	41						
4-Bromophenyl-phenylether	ND	330	64						
4-Chloro-3-methylphenol	ND	660	71						
4-Chloroaniline	ND	660	53						
4-Chlorophenyl-phenylether	ND	330	33						
4-Methylphenol	ND	330	57						
4-Nitroaniline	ND	1600	37						
4-Nitrophenol	ND	330	64						
Acenaphthene	ND	330	43						
Acenaphthylene	ND	330	62						
Anthracene	ND	330	51						
Benzdine (M)	ND	1600	1400						
Benzo(a)anthracene	ND	330	44						
Benzo(a)pyrene	ND	330	64						
Benzo(b)fluoranthene	ND	330	65						
Benzo(g,h,i)perylene	ND	330	81						
Benzo(k)fluoranthene	ND	330	33						
Benzoic acid	ND	1600	890						
Benzyl alcohol	ND	660	32						
bis(2-chloroethoxy)methane	ND	330	64						
bis(2-Chloroethyl)ether	ND	330	66						
bis(2-chloroisopropyl)ether	ND	330	76						
bis(2-ethylhexyl)phthalate	ND	330	63						
Butylbenzylphthalate	ND	330	41						
Chrysene	ND	330	84						
Di-n-butylphthalate	ND	330	51						



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/16/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0938 - MSSEMI\_NAL (continued)**

**Blank (B2C0938-BLK1) - Continued**

Prepared: 3/3/2022 Analyzed: 3/4/2022

Di-n-octylphthalate	ND	330	63						
Dibenz(a,h)anthracene	ND	330	45						
Dibenzofuran	ND	330	58						
Diethyl phthalate	ND	330	58						
Dimethyl phthalate	ND	330	40						
Fluoranthene	ND	330	60						
Fluorene	ND	330	110						
Hexachlorobenzene	ND	330	55						
Hexachlorobutadiene	ND	660	53						
Hexachlorocyclopentadiene	ND	660	70						
Hexachloroethane	ND	330	94						
Indeno(1,2,3-cd)pyrene	ND	330	75						
Isophorone	ND	330	85						
N-Nitroso-di-n propylamine	ND	330	60						
N-Nitrosodiphenylamine	ND	330	32						
Naphthalene	ND	330	56						
Nitrobenzene	ND	330	57						
Pentachlorophenol	ND	1600	50						
Phenanthrene	ND	330	67						
Phenol	ND	330	34						
Pyrene	ND	330	72						
Pyridine	ND	1600	270						

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	4549			6666.67		68.2	23 - 102		
<i>Surrogate: 2,4,6-Tribromophenol</i>	6499			10000.0		65.0	3 - 138		
<i>Surrogate: 2-Chlorophenol-d4</i>	7079			10000.0		70.8	18 - 105		
<i>Surrogate: 2-Fluorobiphenyl</i>	5226			6666.67		78.4	34 - 106		
<i>Surrogate: 2-Fluorophenol</i>	6615			10000.0		66.1	16 - 94		
<i>Surrogate: 4-Terphenyl-d14</i>	7197			6666.67		108	31 - 130		
<i>Surrogate: Nitrobenzene-d5</i>	4075			6666.67		61.1	23 - 102		
<i>Surrogate: Phenol-d6</i>	6549			10000.0		65.5	14 - 104		

**LCS (B2C0938-BS1)**

Prepared: 3/3/2022 Analyzed: 3/4/2022

1,2,4-Trichlorobenzene	6030.00	330	50	6666.67		90.4	41 - 104		
1,2-Dichlorobenzene	5268.67	330	26	6666.67		79.0	37 - 100		
1,3-Dichlorobenzene	5263.33	330	27	6666.67		78.9	36 - 98		
1,4-Dichlorobenzene	5389.33	330	27	6666.67		80.8	37 - 97		
2,4,5-Trichlorophenol	7827.33	330	30	6666.67		117	47 - 115		
2,4,6-Trichlorophenol	7850.67	330	35	6666.67		118	48 - 119		
2,4-Dichlorophenol	6017.33	1600	34	6666.67		90.3	46 - 118		
2,4-Dimethylphenol	6562.67	330	26	6666.67		98.4	41 - 114		
2,4-Dinitrophenol	5014.00	1600	86	6666.67		75.2	0 - 180		
2,4-Dinitrotoluene	7231.33	330	33	6666.67		108	40 - 138		
2,6-Dinitrotoluene	6969.33	330	49	6666.67		105	45 - 131		
2-Chloronaphthalene	6388.00	330	28	6666.67		95.8	46 - 112		
2-Chlorophenol	5808.00	330	31	6666.67		87.1	41 - 99		

L3





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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0938 - MSSEMI_NAL (continued)</b>									
<b>LCS (B2C0938-BS1) - Continued</b>					Prepared: 3/3/2022 Analyzed: 3/4/2022				
2-Methylnaphthalene	6400.67	330	27	6666.67		96.0	45 - 111		
2-Methylphenol	6044.67	330	36	6666.67		90.7	40 - 92		
2-Nitroaniline	6000.67	1600	43	6666.67		90.0	44 - 130		
2-Nitrophenol	6183.33	330	45	6666.67		92.7	34 - 114		
3,3'-Dichlorobenzidine	5475.33	660	280	6666.67		82.1	41 - 128		
3-Nitroaniline	7074.67	1600	49	6666.67		106	47 - 123		
4,6-Dinitro-2-methylphenol	7573.33	1600	41	6666.67		114	2 - 172		
4-Bromophenyl-phenylether	7145.33	330	64	6666.67		107	49 - 116		
4-Chloro-3-methylphenol	6870.67	660	71	6666.67		103	45 - 127		
4-Chloroaniline	7014.67	660	53	6666.67		105	50 - 106		
4-Chlorophenyl-phenylether	7248.67	330	33	6666.67		109	49 - 115		
4-Methylphenol	3231.33	330	57	3333.33		96.9	43 - 109		
4-Nitroaniline	7396.00	1600	37	6666.67		111	44 - 125		
4-Nitrophenol	5932.67	330	64	6666.67		89.0	30 - 146		
Acenaphthene	6566.67	330	43	6666.67		98.5	44 - 110		
Acenaphthylene	6587.33	330	62	6666.67		98.8	42 - 111		
Anthracene	7249.33	330	51	6666.67		109	41 - 117		
Benzidine (M)	3572.67	1600	1400	6666.67		53.6	0 - 189		
Benzo(a)anthracene	7460.00	330	44	6666.67		112	45 - 110		L3
Benzo(a)pyrene	7702.67	330	64	6666.67		116	45 - 116		
Benzo(b)fluoranthene	7319.33	330	65	6666.67		110	43 - 112		
Benzo(g,h,i)perylene	7044.00	330	81	6666.67		106	43 - 113		
Benzo(k)fluoranthene	7168.67	330	33	6666.67		108	42 - 114		
Benzoic acid	2788.00	1600	890	6666.67		41.8	0 - 134		
Benzyl alcohol	6033.33	660	32	6666.67		90.5	39 - 117		
bis(2-chloroethoxy)methane	5617.33	330	64	6666.67		84.3	43 - 102		
bis(2-Chloroethyl)ether	4991.33	330	66	6666.67		74.9	38 - 99		
bis(2-chloroisopropyl)ether	4909.33	330	76	6666.67		73.6	30 - 104		
bis(2-ethylhexyl)phthalate	6032.67	330	63	6666.67		90.5	49 - 123		
Butylbenzylphthalate	6200.67	330	41	6666.67		93.0	49 - 122		
Chrysene	7452.00	330	84	6666.67		112	46 - 111		L3
Di-n-butylphthalate	7315.33	330	51	6666.67		110	48 - 118		
Di-n-octylphthalate	7054.67	330	63	6666.67		106	46 - 131		
Dibenz(a,h)anthracene	7171.33	330	45	6666.67		108	43 - 113		
Dibenzofuran	6784.67	330	58	6666.67		102	50 - 113		
Diethyl phthalate	6768.00	330	58	6666.67		102	50 - 115		
Dimethyl phthalate	6978.00	330	40	6666.67		105	48 - 112		
Fluoranthene	7731.33	330	60	6666.67		116	40 - 119		
Fluorene	6661.33	330	110	6666.67		99.9	41 - 117		
Hexachlorobenzene	6109.33	330	55	6666.67		91.6	46 - 123		
Hexachlorobutadiene	6362.67	660	53	6666.67		95.4	37 - 104		
Hexachlorocyclopentadiene	6016.00	660	70	6666.67		90.2	30 - 128		
Hexachloroethane	4955.33	330	94	6666.67		74.3	38 - 103		
Indeno(1,2,3-cd)pyrene	7403.33	330	75	6666.67		111	43 - 113		
Isophorone	6033.33	330	85	6666.67		90.5	43 - 109		



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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0938 - MSSEMI\_NAL (continued)**

**LCS (B2C0938-BS1) - Continued**

Prepared: 3/3/2022 Analyzed: 3/4/2022

N-Nitroso-di-n propylamine	5650.00	330	60	6666.67		84.8	44 - 111		
N-Nitrosodiphenylamine	7426.00	330	32	6666.67		111	48 - 113		
Naphthalene	6156.67	330	56	6666.67		92.4	38 - 103		
Nitrobenzene	5451.33	330	57	6666.67		81.8	40 - 111		
Pentachlorophenol	6911.33	1600	50	6666.67		104	33 - 130		
Phenanthrene	7094.00	330	67	6666.67		106	42 - 119		
Phenol	5539.33	330	34	6666.67		83.1	43 - 104		
Pyrene	7925.33	330	72	6666.67		119	38 - 120		
Pyridine	3110.67	1600	270	6666.67		46.7	0 - 72		

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>5436</i>			<i>6666.67</i>		<i>81.5</i>	<i>23 - 102</i>		
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>8881</i>			<i>10000.0</i>		<i>88.8</i>	<i>3 - 138</i>		
<i>Surrogate: 2-Chlorophenol-d4</i>	<i>8549</i>			<i>10000.0</i>		<i>85.5</i>	<i>18 - 105</i>		
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>6494</i>			<i>6666.67</i>		<i>97.4</i>	<i>34 - 106</i>		
<i>Surrogate: 2-Fluorophenol</i>	<i>8048</i>			<i>10000.0</i>		<i>80.5</i>	<i>16 - 94</i>		
<i>Surrogate: 4-Terphenyl-d14</i>	<i>7496</i>			<i>6666.67</i>		<i>112</i>	<i>31 - 130</i>		
<i>Surrogate: Nitrobenzene-d5</i>	<i>5474</i>			<i>6666.67</i>		<i>82.1</i>	<i>23 - 102</i>		
<i>Surrogate: Phenol-d6</i>	<i>8360</i>			<i>10000.0</i>		<i>83.6</i>	<i>14 - 104</i>		

**Matrix Spike (B2C0938-MS1)**

**Source: 2200241-03**

Prepared: 3/3/2022 Analyzed: 3/4/2022

1,2,4-Trichlorobenzene	4868.67	330	50	6666.67	ND	73.0	35 - 113		
1,2-Dichlorobenzene	4329.33	330	26	6666.67	ND	64.9	32 - 102		
1,3-Dichlorobenzene	4404.67	330	27	6666.67	ND	66.1	32 - 100		
1,4-Dichlorobenzene	4408.67	330	27	6666.67	ND	66.1	33 - 97		
2,4,5-Trichlorophenol	5843.33	330	30	6666.67	ND	87.6	36 - 124		
2,4,6-Trichlorophenol	5364.00	330	35	6666.67	ND	80.5	37 - 130		
2,4-Dichlorophenol	4946.00	1600	34	6666.67	ND	74.2	32 - 130		
2,4-Dimethylphenol	4974.67	330	26	6666.67	ND	74.6	30 - 128		
2,4-Dinitrophenol	1692.67	1600	86	6666.67	ND	25.4	0 - 203		
2,4-Dinitrotoluene	5813.33	330	33	6666.67	ND	87.2	21 - 168		
2,6-Dinitrotoluene	5816.00	330	49	6666.67	ND	87.2	31 - 152		
2-Chloronaphthalene	5288.67	330	28	6666.67	ND	79.3	33 - 130		
2-Chlorophenol	4960.67	330	31	6666.67	ND	74.4	32 - 106		
2-Methylnaphthalene	5022.00	330	27	6666.67	ND	75.3	33 - 125		
2-Methylphenol	5114.00	330	36	6666.67	ND	76.7	34 - 96		
2-Nitroaniline	5062.00	1600	43	6666.67	ND	75.9	30 - 146		
2-Nitrophenol	4566.67	330	45	6666.67	ND	68.5	22 - 125		
3,3'-Dichlorobenzidine	5010.67	660	280	6666.67	ND	75.2	19 - 144		
3-Nitroaniline	5982.00	1600	49	6666.67	ND	89.7	36 - 133		
4,6-Dinitro-2-methylphenol	2630.00	1600	41	6666.67	ND	39.4	0 - 196		
4-Bromophenyl-phenylether	5832.00	330	64	6666.67	ND	87.5	41 - 121		
4-Chloro-3-methylphenol	5485.33	660	71	6666.67	ND	82.3	39 - 134		
4-Chloroaniline	5688.67	660	53	6666.67	ND	85.3	37 - 115		
4-Chlorophenyl-phenylether	6010.00	330	33	6666.67	ND	90.2	34 - 133		
4-Methylphenol	2758.00	330	57	3333.33	ND	82.7	34 - 121		
4-Nitroaniline	6012.67	1600	37	6666.67	ND	90.2	30 - 138		



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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0938 - MSSEMI\_NAL (continued)**

**Matrix Spike (B2C0938-MS1) - Continued**

**Source: 2200241-03**

Prepared: 3/3/2022 Analyzed: 3/4/2022

4-Nitrophenol	3676.00	330	64	6666.67	ND	55.1	5 - 154			
Acenaphthene	5608.67	330	43	6666.67	ND	84.1	33 - 121			
Acenaphthylene	5472.67	330	62	6666.67	ND	82.1	35 - 120			
Anthracene	6147.33	330	51	6666.67	ND	92.2	28 - 133			
Benzidine (M)	2316.67	1600	1400	6666.67	ND	34.8	8 - 175			
Benzo(a)anthracene	6484.67	330	44	6666.67	ND	97.3	32 - 127			
Benzo(a)pyrene	6330.67	330	64	6666.67	ND	95.0	35 - 127			
Benzo(b)fluoranthene	6130.00	330	65	6666.67	ND	92.0	29 - 126			
Benzo(g,h,i)perylene	5681.33	330	81	6666.67	ND	85.2	26 - 129			
Benzo(k)fluoranthene	6071.33	330	33	6666.67	ND	91.1	36 - 120			
Benzoic acid	2932.67	1600	890	6666.67	ND	44.0	0 - 208			
Benzyl alcohol	5464.67	660	32	6666.67	ND	82.0	32 - 120			
bis(2-chloroethoxy)methane	4759.33	330	64	6666.67	ND	71.4	34 - 108			
bis(2-Chloroethyl)ether	4222.67	330	66	6666.67	ND	63.3	34 - 100			
bis(2-chloroisopropyl)ether	4127.33	330	76	6666.67	ND	61.9	21 - 111			
bis(2-ethylhexyl)phthalate	5403.33	330	63	6666.67	ND	81.1	39 - 131			
Butylbenzylphthalate	4868.00	330	41	6666.67	ND	73.0	39 - 129			
Chrysene	6187.33	330	84	6666.67	ND	92.8	33 - 126			
Di-n-butylphthalate	6094.67	330	51	6666.67	ND	91.4	42 - 122			
Di-n-octylphthalate	5945.33	330	63	6666.67	ND	89.2	30 - 147			
Dibenz(a,h)anthracene	5970.00	330	45	6666.67	ND	89.6	30 - 126			
Dibenzofuran	5475.33	330	58	6666.67	ND	82.1	36 - 133			
Diethyl phthalate	5484.67	330	58	6666.67	ND	82.3	28 - 139			
Dimethyl phthalate	5618.67	330	40	6666.67	ND	84.3	32 - 129			
Fluoranthene	6380.00	330	60	6666.67	ND	95.7	23 - 140			
Fluorene	5515.33	330	110	6666.67	ND	82.7	32 - 130			
Hexachlorobenzene	4973.33	330	55	6666.67	ND	74.6	27 - 148			
Hexachlorobutadiene	5094.00	660	53	6666.67	ND	76.4	29 - 112			
Hexachlorocyclopentadiene	4925.33	660	70	6666.67	ND	73.9	13 - 147			
Hexachloroethane	4405.33	330	94	6666.67	ND	66.1	31 - 104			
Indeno(1,2,3-cd)pyrene	5899.33	330	75	6666.67	ND	88.5	21 - 137			
Isophorone	4921.33	330	85	6666.67	ND	73.8	34 - 112			
N-Nitroso-di-n propylamine	4967.33	330	60	6666.67	ND	74.5	36 - 115			
N-Nitrosodiphenylamine	6112.67	330	32	6666.67	ND	91.7	40 - 120			
Naphthalene	4882.67	330	56	6666.67	ND	73.2	33 - 108			
Nitrobenzene	4224.67	330	57	6666.67	ND	63.4	32 - 122			
Pentachlorophenol	2334.00	1600	50	6666.67	ND	35.0	0 - 151			
Phenanthrene	6106.00	330	67	6666.67	ND	91.6	40 - 122			
Phenol	4644.67	330	34	6666.67	ND	69.7	35 - 112			
Pyrene	6469.33	330	72	6666.67	ND	97.0	28 - 132			
Pyridine	3512.00	1600	270	6666.67	ND	52.7	5 - 107			

Surrogate: 1,2-Dichlorobenzene-d4	5043			6666.67		75.6	23 - 102			
Surrogate: 2,4,6-Tribromophenol	7372			10000.0		73.7	3 - 138			
Surrogate: 2-Chlorophenol-d4	8155			10000.0		81.5	18 - 105			
Surrogate: 2-Fluorobiphenyl	6025			6666.67		90.4	34 - 106			



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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0938 - MSSEMI\_NAL (continued)**

**Matrix Spike (B2C0938-MS1) - Continued**

**Source: 2200241-03**

Prepared: 3/3/2022 Analyzed: 3/4/2022

Surrogate: 2-Fluorophenol	6903		10000.0		69.0	16 - 94			
Surrogate: 4-Terphenyl-d14	6836		6666.67		103	31 - 130			
Surrogate: Nitrobenzene-d5	4784		6666.67		71.8	23 - 102			
Surrogate: Phenol-d6	7863		10000.0		78.6	14 - 104			

**Matrix Spike Dup (B2C0938-MSD1)**

**Source: 2200241-03**

Prepared: 3/3/2022 Analyzed: 3/4/2022

1,2,4-Trichlorobenzene	5522.67	330	50	6666.67	ND	82.8	35 - 113	12.6	20
1,2-Dichlorobenzene	4398.67	330	26	6666.67	ND	66.0	32 - 102	1.59	20
1,3-Dichlorobenzene	4428.67	330	27	6666.67	ND	66.4	32 - 100	0.543	20
1,4-Dichlorobenzene	4506.00	330	27	6666.67	ND	67.6	33 - 97	2.18	20
2,4,5-Trichlorophenol	5991.33	330	30	6666.67	ND	89.9	36 - 124	2.50	20
2,4,6-Trichlorophenol	5626.00	330	35	6666.67	ND	84.4	37 - 130	4.77	20
2,4-Dichlorophenol	5954.00	1600	34	6666.67	ND	89.3	32 - 130	18.5	20
2,4-Dimethylphenol	5740.67	330	26	6666.67	ND	86.1	30 - 128	14.3	20
2,4-Dinitrophenol	1641.33	1600	86	6666.67	ND	24.6	0 - 203	3.08	20
2,4-Dinitrotoluene	5581.33	330	33	6666.67	ND	83.7	21 - 168	4.07	20
2,6-Dinitrotoluene	5721.33	330	49	6666.67	ND	85.8	31 - 152	1.64	20
2-Chloronaphthalene	5356.00	330	28	6666.67	ND	80.3	33 - 130	1.27	20
2-Chlorophenol	5019.33	330	31	6666.67	ND	75.3	32 - 106	1.18	20
2-Methylnaphthalene	5927.33	330	27	6666.67	ND	88.9	33 - 125	16.5	20
2-Methylphenol	4905.33	330	36	6666.67	ND	73.6	34 - 96	4.17	20
2-Nitroaniline	4915.33	1600	43	6666.67	ND	73.7	30 - 146	2.94	20
2-Nitrophenol	5340.67	330	45	6666.67	ND	80.1	22 - 125	15.6	20
3,3'-Dichlorobenzidine	4668.00	660	280	6666.67	ND	70.0	19 - 144	7.08	20
3-Nitroaniline	5553.33	1600	49	6666.67	ND	83.3	36 - 133	7.43	20
4,6-Dinitro-2-methylphenol	2493.33	1600	41	6666.67	ND	37.4	0 - 196	5.34	20
4-Bromophenyl-phenylether	5948.67	330	64	6666.67	ND	89.2	41 - 121	1.98	20
4-Chloro-3-methylphenol	6100.00	660	71	6666.67	ND	91.5	39 - 134	10.6	20
4-Chloroaniline	6407.33	660	53	6666.67	ND	96.1	37 - 115	11.9	20
4-Chlorophenyl-phenylether	5844.67	330	33	6666.67	ND	87.7	34 - 133	2.79	20
4-Methylphenol	2769.33	330	57	3333.33	ND	83.1	34 - 121	0.410	20
4-Nitroaniline	6144.67	1600	37	6666.67	ND	92.2	30 - 138	2.17	20
4-Nitrophenol	3649.33	330	64	6666.67	ND	54.7	5 - 154	0.728	20
Acenaphthene	5444.67	330	43	6666.67	ND	81.7	33 - 121	2.97	20
Acenaphthylene	5448.00	330	62	6666.67	ND	81.7	35 - 120	0.452	20
Anthracene	6124.00	330	51	6666.67	ND	91.9	28 - 133	0.380	20
Benzdine (M)	2436.00	1600	1400	6666.67	ND	36.5	8 - 175	5.02	20
Benzo(a)anthracene	6381.33	330	44	6666.67	ND	95.7	32 - 127	1.61	20
Benzo(a)pyrene	6174.67	330	64	6666.67	ND	92.6	35 - 127	2.49	20
Benzo(b)fluoranthene	5984.00	330	65	6666.67	ND	89.8	29 - 126	2.41	20
Benzo(g,h,i)perylene	5532.67	330	81	6666.67	ND	83.0	26 - 129	2.65	20
Benzo(k)fluoranthene	5759.33	330	33	6666.67	ND	86.4	36 - 120	5.27	20
Benzoic acid	2960.00	1600	890	6666.67	ND	44.4	0 - 208	0.928	20
Benzyl alcohol	5287.33	660	32	6666.67	ND	79.3	32 - 120	3.30	20
bis(2-chloroethoxy)methane	5505.33	330	64	6666.67	ND	82.6	34 - 108	14.5	20



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/16/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0938 - MSSEMI\_NAL (continued)**

**Matrix Spike Dup (B2C0938-MSD1) - Continued**

**Source: 2200241-03**

Prepared: 3/3/2022 Analyzed: 3/4/2022

bis(2-Chloroethyl)ether	4348.67	330	66	6666.67	ND	65.2	34 - 100	2.94	20	
bis(2-chloroisopropyl)ether	4048.67	330	76	6666.67	ND	60.7	21 - 111	1.92	20	
bis(2-ethylhexyl)phthalate	5498.00	330	63	6666.67	ND	82.5	39 - 131	1.74	20	
Butylbenzylphthalate	5428.00	330	41	6666.67	ND	81.4	39 - 129	10.9	20	
Chrysene	6142.67	330	84	6666.67	ND	92.1	33 - 126	0.725	20	
Di-n-butylphthalate	6068.00	330	51	6666.67	ND	91.0	42 - 122	0.439	20	
Di-n-octylphthalate	5817.33	330	63	6666.67	ND	87.3	30 - 147	2.18	20	
Dibenz(a,h)anthracene	5824.00	330	45	6666.67	ND	87.4	30 - 126	2.48	20	
Dibenzofuran	5197.33	330	58	6666.67	ND	78.0	36 - 133	5.21	20	
Diethyl phthalate	5246.67	330	58	6666.67	ND	78.7	28 - 139	4.44	20	
Dimethyl phthalate	5542.00	330	40	6666.67	ND	83.1	32 - 129	1.37	20	
Fluoranthene	6244.00	330	60	6666.67	ND	93.7	23 - 140	2.15	20	
Fluorene	5427.33	330	110	6666.67	ND	81.4	32 - 130	1.61	20	
Hexachlorobenzene	5053.33	330	55	6666.67	ND	75.8	27 - 148	1.60	20	
Hexachlorobutadiene	5708.00	660	53	6666.67	ND	85.6	29 - 112	11.4	20	
Hexachlorocyclopentadiene	4851.33	660	70	6666.67	ND	72.8	13 - 147	1.51	20	
Hexachloroethane	4280.00	330	94	6666.67	ND	64.2	31 - 104	2.89	20	
Indeno(1,2,3-cd)pyrene	5848.00	330	75	6666.67	ND	87.7	21 - 137	0.874	20	
Isophorone	5858.00	330	85	6666.67	ND	87.9	34 - 112	17.4	20	
N-Nitroso-di-n propylamine	4746.67	330	60	6666.67	ND	71.2	36 - 115	4.54	20	
N-Nitrosodiphenylamine	6181.33	330	32	6666.67	ND	92.7	40 - 120	1.12	20	
Naphthalene	5436.00	330	56	6666.67	ND	81.5	33 - 108	10.7	20	
Nitrobenzene	4926.00	330	57	6666.67	ND	73.9	32 - 122	15.3	20	
Pentachlorophenol	2031.33	1600	50	6666.67	ND	30.5	0 - 151	13.9	20	
Phenanthrene	5905.33	330	67	6666.67	ND	88.6	40 - 122	3.34	20	
Phenol	4470.67	330	34	6666.67	ND	67.1	35 - 112	3.82	20	
Pyrene	6438.00	330	72	6666.67	ND	96.6	28 - 132	0.486	20	
Pyridine	4036.67	1600	270	6666.67	ND	60.6	5 - 107	13.9	20	

Surrogate: 1,2-Dichlorobenzene-d4	4579			6666.67		68.7	23 - 102			
Surrogate: 2,4,6-Tribromophenol	6774			10000.0		67.7	3 - 138			
Surrogate: 2-Chlorophenol-d4	7363			10000.0		73.6	18 - 105			
Surrogate: 2-Fluorobiphenyl	5366			6666.67		80.5	34 - 106			
Surrogate: 2-Fluorophenol	6443			10000.0		64.4	16 - 94			
Surrogate: 4-Terphenyl-d14	6243			6666.67		93.6	31 - 130			
Surrogate: Nitrobenzene-d5	5280			6666.67		79.2	23 - 102			
Surrogate: Phenol-d6	6881			10000.0		68.8	14 - 104			



2200285

2.6°C

FROM: GSI Environmental Inc.  
19200 Von Karman Ave, Suite 800  
Irvine, CA 92612  
(949) 679-1070

PROJECT NAME: Ontario Airport

PROJECT CONTACT: Winnie Robino / Josh Voss

GLOBAL ID:

PROJECT NO.: 5925

LAB CONTACT: Victoria Michel

SAMPLER(S): (PRINT) JCV

TEL: (949) 679-1070 E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com

LABORATORY: Advanced Technology Laboratories

TURNAROUND TIME:  SAME DAY  24 HR  48 HR  STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

**REQUESTED ANALYSES**  
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Preservation		Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	
		DATE	TIME			Unpreserved	Preserved											
1	62-2-2-1	3/2/22	0805	Soil	1	1			X	X	X	X						
2	62-2-2-6		0820		5	4				X	X	X						
3	62-2-4-1		0843		1	1			X	X	X	X						
4	62-2-4-6		0855		5	4			X	X	X	X						
5	68-12-2-1		1023		1	1			X	X	X	X						
6	68-12-2-6		1040		5	4			X	X	X	X						
7	68-12-1-1		1125		1	1			X	X	X	X						
8	68-12-1-6		1140		5	4			X	X	X	X						
9	68-2-1-1		1235		1	1			X	X	X	X						
10	68-2-1-5.5		1255		5	4			X	X	X	X						
11	68-2-2-1		1330		1	1			X	X	X	X						
12	68-2-2-5.5		1350		5	4			X	X	X	X						
13	TB-20220302		1410	Water	4	4												

Relinquished by: (Signature) *[Signature]* Date: 3/2/22 Time: 1520

Relinquished by: (Signature) *[Signature]* Date: 3/2/22 Time: 17:32

Relinquished by: (Signature) *[Signature]* Date: 3/2/22 Time: 17:32

May 12, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200288  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 03, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 05/12/22 15:23 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-12-1	2200288-01	Soil	3/03/22 7:55	3/03/22 16:57
SV-12-5.5	2200288-02	Soil	3/03/22 8:05	3/03/22 16:57
SV-12-15	2200288-03	Soil	3/03/22 8:20	3/03/22 16:57
SV-11-1	2200288-04	Soil	3/03/22 9:00	3/03/22 16:57
SV-11-5.5	2200288-05	Soil	3/03/22 9:10	3/03/22 16:57
SV-11-16.5	2200288-06	Soil	3/03/22 9:30	3/03/22 16:57
SV-13-1	2200288-07	Soil	3/03/22 10:55	3/03/22 16:57
SV-13-5.5	2200288-08	Soil	3/03/22 11:10	3/03/22 16:57
SV-13-15	2200288-09	Soil	3/03/22 11:15	3/03/22 16:57
68-2-3-1	2200288-10	Soil	3/03/22 12:35	3/03/22 16:57
68-2-3-5.5	2200288-11	Soil	3/03/22 12:50	3/03/22 16:57
68-20-1-1	2200288-12	Soil	3/03/22 14:10	3/03/22 16:57
68-20-1-5.5	2200288-13	Soil	3/03/22 14:20	3/03/22 16:57
TB-20220303	2200288-14	Water	3/03/22 14:40	3/03/22 16:57





## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-12-1**

**Lab ID: 2200288-01**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
<b>Barium</b>	<b>76</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
<b>Beryllium</b>	<b>2.2</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
<b>Cobalt</b>	<b>4.7</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
<b>Copper</b>	<b>10</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:27	
<b>Lead</b>	<b>3.7</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
<b>Nickel</b>	<b>4.3</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
<b>Silver</b>	<b>4.5</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
<b>Vanadium</b>	<b>28</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	
<b>Zinc</b>	<b>32</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:27	

**Organochlorine Pesticides by EPA 8081A**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
4,4'-DDE	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
4,4'-DDT	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Aldrin	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
alpha-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
alpha-Chlordane	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
beta-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Chlordane	ND	8.5	1	B2C0972	03/04/2022	03/04/22 18:31	
delta-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Dieldrin	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endosulfan I	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endosulfan II	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endosulfan sulfate	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endrin	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endrin aldehyde	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Endrin ketone	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:31	
gamma-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
gamma-Chlordane	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-12-1**  
**Lab ID: 2200288-01**

**Organochlorine Pesticides by EPA 8081A**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Heptachlor epoxide	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Methoxychlor	ND	5.0	1	B2C0972	03/04/2022	03/04/22 18:31	
Toxaphene	ND	50	1	B2C0972	03/04/2022	03/04/22 18:31	
<i>Surrogate: Decachlorobiphenyl</i>	58.5 %	0 - 97		B2C0972	03/04/2022	03/04/22 18:31	
<i>Surrogate: Tetrachloro-m-xylene</i>	50.6 %	3 - 78		B2C0972	03/04/2022	03/04/22 18:31	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-12-5.5**  
**Lab ID: 2200288-02**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 22:32	
<b>C23-C32</b>	<b>10</b>	10	1	B2C0961	03/04/2022	03/04/22 22:32	
<i>Surrogate: p-Terphenyl</i>	<i>108 %</i>	<i>62 - 141</i>		B2C0961	03/04/2022	<i>03/04/22 22:32</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1,1-Trichloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1,2-Trichloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1-Dichloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1-Dichloroethene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,1-Dichloropropene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2,3-Trichloropropane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2,3-Trichlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2,4-Trichlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2,4-Trimethylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2-Dibromoethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2-Dichlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2-Dichloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,2-Dichloropropane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,3,5-Trimethylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,3-Dichlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,3-Dichloropropane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
1,4-Dichlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
2,2-Dichloropropane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
2-Chlorotoluene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
4-Chlorotoluene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
4-Isopropyltoluene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Benzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Bromobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Bromochloromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Bromodichloromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Bromoform	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Bromomethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Carbon disulfide	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-12-5.5**  
**Lab ID: 2200288-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Chlorobenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Chloroethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Chloroform	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Chloromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
cis-1,2-Dichloroethene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
cis-1,3-Dichloropropene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Di-isopropyl ether	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Dibromochloromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Dibromomethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Dichlorodifluoromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Ethyl Acetate	ND	50	1	B2C1029	03/09/2022	03/09/22 20:19	
Ethyl Ether	ND	50	1	B2C1029	03/09/2022	03/09/22 20:19	
Ethyl tert-butyl ether	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Ethylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Freon-113	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Hexachlorobutadiene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Isopropylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
m,p-Xylene	ND	10	1	B2C1029	03/09/2022	03/09/22 20:19	
Methylene chloride	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
MTBE	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
n-Butylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
n-Propylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Naphthalene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
o-Xylene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
sec-Butylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Styrene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
tert-Amyl methyl ether	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
tert-Butanol	ND	100	1	B2C1029	03/09/2022	03/09/22 20:19	
tert-Butylbenzene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Tetrachloroethene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Toluene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
trans-1,2-Dichloroethene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
trans-1,3-Dichloropropene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Trichloroethene	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Trichlorofluoromethane	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Vinyl acetate	ND	50	1	B2C1029	03/09/2022	03/09/22 20:19	
Vinyl chloride	ND	5.0	1	B2C1029	03/09/2022	03/09/22 20:19	
Surrogate: 1,2-Dichloroethane-d4	152 %	66 - 200		B2C1029	03/09/2022	03/09/22 20:19	
Surrogate: 4-Bromofluorobenzene	93.6 %	50 - 146		B2C1029	03/09/2022	03/09/22 20:19	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-12-5.5**  
**Lab ID: 2200288-02**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	129 %	77 - 159		B2C1029	03/09/2022	03/09/22 20:19	
<i>Surrogate: Toluene-d8</i>	97.2 %	81 - 128		B2C1029	03/09/2022	03/09/22 20:19	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1053	03/10/2022	03/10/22 13:10	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.9 %	47.6 - 121.18		B2C1053	03/10/2022	03/10/22 13:10	



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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-12-15**  
**Lab ID: 2200288-03**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 22:51	
<b>C23-C32</b>	<b>11</b>	10	1	B2C0961	03/04/2022	03/04/22 22:51	
<i>Surrogate: p-Terphenyl</i>	<i>103 %</i>	<i>62 - 141</i>		B2C0961	03/04/2022	<i>03/04/22 22:51</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1,1-Trichloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1,2,2-Tetrachloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1,2-Trichloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1-Dichloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1-Dichloroethene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,1-Dichloropropene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2,3-Trichloropropane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2,3-Trichlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2,4-Trichlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2,4-Trimethylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2-Dibromo-3-chloropropane	ND	9.7	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2-Dibromoethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2-Dichlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2-Dichloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,2-Dichloropropane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,3,5-Trimethylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,3-Dichlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,3-Dichloropropane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
1,4-Dichlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
2,2-Dichloropropane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
2-Chlorotoluene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
4-Chlorotoluene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
4-Isopropyltoluene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Benzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Bromobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Bromochloromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Bromodichloromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Bromoform	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Bromomethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Carbon disulfide	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-12-15**  
**Lab ID: 2200288-03**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Chlorobenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Chloroethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Chloroform	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Chloromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
cis-1,2-Dichloroethene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
cis-1,3-Dichloropropene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Di-isopropyl ether	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Dibromochloromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Dibromomethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Dichlorodifluoromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Ethyl Acetate	ND	48	1	B2C1029	03/09/2022	03/09/22 20:44	
Ethyl Ether	ND	48	1	B2C1029	03/09/2022	03/09/22 20:44	
Ethyl tert-butyl ether	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Ethylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Freon-113	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Hexachlorobutadiene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Isopropylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
m,p-Xylene	ND	9.7	1	B2C1029	03/09/2022	03/09/22 20:44	
Methylene chloride	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
MTBE	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
n-Butylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
n-Propylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Naphthalene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
o-Xylene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
sec-Butylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Styrene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
tert-Amyl methyl ether	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
tert-Butanol	ND	97	1	B2C1029	03/09/2022	03/09/22 20:44	
tert-Butylbenzene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Tetrachloroethene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Toluene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
trans-1,2-Dichloroethene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
trans-1,3-Dichloropropene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Trichloroethene	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Trichlorofluoromethane	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Vinyl acetate	ND	48	1	B2C1029	03/09/2022	03/09/22 20:44	
Vinyl chloride	ND	4.8	1	B2C1029	03/09/2022	03/09/22 20:44	
Surrogate: 1,2-Dichloroethane-d4	141 %	66 - 200		B2C1029	03/09/2022	03/09/22 20:44	
Surrogate: 4-Bromofluorobenzene	90.9 %	50 - 146		B2C1029	03/09/2022	03/09/22 20:44	





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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-12-15**

**Lab ID: 2200288-03**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	120 %	77 - 159		B2C1029	03/09/2022	03/09/22 20:44	
<i>Surrogate: Toluene-d8</i>	95.7 %	81 - 128		B2C1029	03/09/2022	03/09/22 20:44	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1053	03/10/2022	03/10/22 13:35	
<i>Surrogate: 4-Bromofluorobenzene</i>	88.7 %	47.6 - 121.18		B2C1053	03/10/2022	03/10/22 13:35	

**Client Sample ID: SV-11-1**

**Lab ID: 2200288-04**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:29	
<b>Arsenic</b>	<b>1.6</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
<b>Barium</b>	<b>93</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
<b>Cobalt</b>	<b>5.2</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
<b>Copper</b>	<b>13</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:29	
<b>Lead</b>	<b>2.6</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
<b>Nickel</b>	<b>4.7</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
<b>Silver</b>	<b>5.1</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
<b>Vanadium</b>	<b>31</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	
<b>Zinc</b>	<b>50</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:29	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-11-5.5**  
**Lab ID: 2200288-05**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 23:10	
<b>C23-C32</b>	<b>12</b>	10	1	B2C0961	03/04/2022	03/04/22 23:10	
<i>Surrogate: p-Terphenyl</i>	<i>132 %</i>	<i>62 - 141</i>		B2C0961	03/04/2022	<i>03/04/22 23:10</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1,1-Trichloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1,2-Trichloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1-Dichloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1-Dichloroethene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,1-Dichloropropene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2,3-Trichloropropane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2-Dibromoethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2-Dichlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2-Dichloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,2-Dichloropropane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,3-Dichlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,3-Dichloropropane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
1,4-Dichlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
2,2-Dichloropropane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
2-Chlorotoluene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
4-Chlorotoluene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
4-Isopropyltoluene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Benzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Bromobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Bromochloromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Bromodichloromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Bromoform	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Bromomethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Carbon disulfide	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-11-5.5**  
**Lab ID: 2200288-05**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Chlorobenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Chloroethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Chloroform	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Chloromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Di-isopropyl ether	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Dibromochloromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Dibromomethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Dichlorodifluoromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Ethyl Acetate	ND	42	1	B2C1029	03/09/2022	03/09/22 21:10	
Ethyl Ether	ND	42	1	B2C1029	03/09/2022	03/09/22 21:10	
Ethyl tert-butyl ether	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Ethylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Freon-113	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Hexachlorobutadiene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Isopropylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
m,p-Xylene	ND	8.4	1	B2C1029	03/09/2022	03/09/22 21:10	
Methylene chloride	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
MTBE	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
n-Butylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
n-Propylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Naphthalene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
o-Xylene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
sec-Butylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Styrene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
tert-Amyl methyl ether	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
tert-Butanol	ND	84	1	B2C1029	03/09/2022	03/09/22 21:10	
tert-Butylbenzene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Tetrachloroethene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Toluene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Trichloroethene	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Trichlorofluoromethane	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Vinyl acetate	ND	42	1	B2C1029	03/09/2022	03/09/22 21:10	
Vinyl chloride	ND	4.2	1	B2C1029	03/09/2022	03/09/22 21:10	
Surrogate: 1,2-Dichloroethane-d4	137 %	66 - 200		B2C1029	03/09/2022	03/09/22 21:10	
Surrogate: 4-Bromofluorobenzene	86.9 %	50 - 146		B2C1029	03/09/2022	03/09/22 21:10	



### Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-11-5.5**  
**Lab ID: 2200288-05**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	119 %	77 - 159		B2C1029	03/09/2022	03/09/22 21:10	
<i>Surrogate: Toluene-d8</i>	93.4 %	81 - 128		B2C1029	03/09/2022	03/09/22 21:10	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C1053	03/10/2022	03/10/22 13:59	
<i>Surrogate: 4-Bromofluorobenzene</i>	97.0 %	47.6 - 121.18		B2C1053	03/10/2022	03/10/22 13:59	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-11-16.5**

**Lab ID: 2200288-06**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 23:28	
<b>C23-C32</b>	<b>11</b>	10	1	B2C0961	03/04/2022	03/04/22 23:28	
<i>Surrogate: p-Terphenyl</i>	<i>110 %</i>	<i>62 - 141</i>		B2C0961	03/04/2022	<i>03/04/22 23:28</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1,1-Trichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1,2-Trichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1-Dichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,1-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2,3-Trichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2-Dibromoethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2-Dichloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,2-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,3-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,3-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
1,4-Dichlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
2,2-Dichloropropane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
2-Chlorotoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
4-Chlorotoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
4-Isopropyltoluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Benzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Bromobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Bromochloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Bromodichloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Bromoform	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Bromomethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Carbon disulfide	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-11-16.5**

**Lab ID: 2200288-06**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Chlorobenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Chloroethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Chloroform	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Chloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Di-isopropyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Dibromochloromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Dibromomethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Dichlorodifluoromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Ethyl Acetate	ND	47	1	B2C1029	03/09/2022	03/09/22 21:36	
Ethyl Ether	ND	47	1	B2C1029	03/09/2022	03/09/22 21:36	
Ethyl tert-butyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Ethylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Freon-113	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Hexachlorobutadiene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Isopropylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
m,p-Xylene	ND	9.4	1	B2C1029	03/09/2022	03/09/22 21:36	
Methylene chloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
MTBE	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
n-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
n-Propylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Naphthalene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
o-Xylene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
sec-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Styrene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
tert-Amyl methyl ether	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
tert-Butanol	ND	94	1	B2C1029	03/09/2022	03/09/22 21:36	
tert-Butylbenzene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Tetrachloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Toluene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Trichloroethene	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Trichlorofluoromethane	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	
Vinyl acetate	ND	47	1	B2C1029	03/09/2022	03/09/22 21:36	
Vinyl chloride	ND	4.7	1	B2C1029	03/09/2022	03/09/22 21:36	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>128 %</i>	<i>66 - 200</i>		B2C1029	03/09/2022	<i>03/09/22 21:36</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.7 %</i>	<i>50 - 146</i>		B2C1029	03/09/2022	<i>03/09/22 21:36</i>



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-11-16.5**

**Lab ID: 2200288-06**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	109 %	77 - 159		B2C1029	03/09/2022	03/09/22 21:36	
<i>Surrogate: Toluene-d8</i>	100 %	81 - 128		B2C1029	03/09/2022	03/09/22 21:36	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1053	03/10/2022	03/10/22 14:24	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.8 %	47.6 - 121.18		B2C1053	03/10/2022	03/10/22 14:24	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-13-1**  
**Lab ID: 2200288-07**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
<b>Barium</b>	<b>87</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
<b>Cobalt</b>	<b>5.2</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
<b>Copper</b>	<b>10</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:31	
<b>Lead</b>	<b>2.7</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
<b>Nickel</b>	<b>4.1</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
<b>Silver</b>	<b>5.0</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
<b>Vanadium</b>	<b>30</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	
<b>Zinc</b>	<b>31</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:31	

## Organochlorine Pesticides by EPA 8081A

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
4,4'-DDE	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
4,4'-DDT	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Aldrin	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
alpha-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
alpha-Chlordane	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
beta-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Chlordane	ND	8.5	1	B2C0972	03/04/2022	03/04/22 18:41	
delta-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Dieldrin	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endosulfan I	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endosulfan II	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endosulfan sulfate	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endrin	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endrin aldehyde	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Endrin ketone	ND	2.0	1	B2C0972	03/04/2022	03/04/22 18:41	
gamma-BHC	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
gamma-Chlordane	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	





# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-13-1**  
**Lab ID: 2200288-07**

## Organochlorine Pesticides by EPA 8081A

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Heptachlor epoxide	ND	1.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Methoxychlor	ND	5.0	1	B2C0972	03/04/2022	03/04/22 18:41	
Toxaphene	ND	50	1	B2C0972	03/04/2022	03/04/22 18:41	
<i>Surrogate: Decachlorobiphenyl</i>	62.1 %	0 - 97		B2C0972	03/04/2022	03/04/22 18:41	
<i>Surrogate: Tetrachloro-m-xylene</i>	52.5 %	3 - 78		B2C0972	03/04/2022	03/04/22 18:41	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-13-5.5**  
**Lab ID: 2200288-08**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/04/22 23:47	
<b>C23-C32</b>	<b>11</b>	10	1	B2C0961	03/04/2022	03/04/22 23:47	
<i>Surrogate: p-Terphenyl</i>	<i>118 %</i>	<i>62 - 141</i>		B2C0961	03/04/2022	<i>03/04/22 23:47</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1,1-Trichloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1,2,2-Tetrachloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1,2-Trichloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1-Dichloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1-Dichloroethene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,1-Dichloropropene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2,3-Trichloropropane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2,3-Trichlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2,4-Trichlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2,4-Trimethylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2-Dibromoethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2-Dichlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2-Dichloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,2-Dichloropropane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,3,5-Trimethylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,3-Dichlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,3-Dichloropropane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
1,4-Dichlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
2,2-Dichloropropane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
2-Chlorotoluene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
4-Chlorotoluene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
4-Isopropyltoluene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Benzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Bromobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Bromochloromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Bromodichloromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Bromoform	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Bromomethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Carbon disulfide	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-13-5.5**  
**Lab ID: 2200288-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Chlorobenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Chloroethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Chloroform	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Chloromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
cis-1,2-Dichloroethene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
cis-1,3-Dichloropropene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Di-isopropyl ether	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Dibromochloromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Dibromomethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Dichlorodifluoromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Ethyl Acetate	ND	54	1	B2C1029	03/09/2022	03/09/22 22:02	
Ethyl Ether	ND	54	1	B2C1029	03/09/2022	03/09/22 22:02	
Ethyl tert-butyl ether	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Ethylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Freon-113	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Hexachlorobutadiene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Isopropylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
m,p-Xylene	ND	11	1	B2C1029	03/09/2022	03/09/22 22:02	
Methylene chloride	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
MTBE	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
n-Butylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
n-Propylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Naphthalene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
o-Xylene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
sec-Butylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Styrene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
tert-Amyl methyl ether	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
tert-Butanol	ND	110	1	B2C1029	03/09/2022	03/09/22 22:02	
tert-Butylbenzene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Tetrachloroethene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Toluene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
trans-1,2-Dichloroethene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
trans-1,3-Dichloropropene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Trichloroethene	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Trichlorofluoromethane	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Vinyl acetate	ND	54	1	B2C1029	03/09/2022	03/09/22 22:02	
Vinyl chloride	ND	5.4	1	B2C1029	03/09/2022	03/09/22 22:02	
Surrogate: 1,2-Dichloroethane-d4	154 %	66 - 200		B2C1029	03/09/2022	03/09/22 22:02	
Surrogate: 4-Bromofluorobenzene	92.1 %	50 - 146		B2C1029	03/09/2022	03/09/22 22:02	



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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-13-5.5**  
**Lab ID: 2200288-08**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	123 %	77 - 159		B2C1029	03/09/2022	03/09/22 22:02	
<i>Surrogate: Toluene-d8</i>	95.2 %	81 - 128		B2C1029	03/09/2022	03/09/22 22:02	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.94	1	B2C1053	03/10/2022	03/10/22 14:48	
<i>Surrogate: 4-Bromofluorobenzene</i>	96.9 %	47.6 - 121.18		B2C1053	03/10/2022	03/10/22 14:48	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-13-15**  
**Lab ID: 2200288-09**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/05/22 00:06	
<b>C23-C32</b>	<b>11</b>	10	1	B2C0961	03/04/2022	03/05/22 00:06	
<i>Surrogate: p-Terphenyl</i>	<i>105 %</i>	<i>62 - 141</i>		B2C0961	03/04/2022	<i>03/05/22 00:06</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1,1-Trichloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1,2-Trichloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1-Dichloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1-Dichloroethene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,1-Dichloropropene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2,3-Trichloropropane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2-Dibromoethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2-Dichlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2-Dichloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,2-Dichloropropane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,3-Dichlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,3-Dichloropropane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
1,4-Dichlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
2,2-Dichloropropane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
2-Chlorotoluene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
4-Chlorotoluene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
4-Isopropyltoluene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Benzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Bromobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Bromochloromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Bromodichloromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Bromoform	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Bromomethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Carbon disulfide	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-13-15**  
**Lab ID: 2200288-09**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Chlorobenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Chloroethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Chloroform	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Chloromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Di-isopropyl ether	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Dibromochloromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Dibromomethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Dichlorodifluoromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Ethyl Acetate	ND	42	1	B2C1057	03/10/2022	03/10/22 14:53	
Ethyl Ether	ND	42	1	B2C1057	03/10/2022	03/10/22 14:53	
Ethyl tert-butyl ether	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Ethylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Freon-113	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Hexachlorobutadiene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Isopropylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
m,p-Xylene	ND	8.5	1	B2C1057	03/10/2022	03/10/22 14:53	
Methylene chloride	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
MTBE	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
n-Butylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
n-Propylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Naphthalene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
o-Xylene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
sec-Butylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Styrene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
tert-Amyl methyl ether	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
tert-Butanol	ND	85	1	B2C1057	03/10/2022	03/10/22 14:53	
tert-Butylbenzene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Tetrachloroethene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Toluene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Trichloroethene	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Trichlorofluoromethane	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Vinyl acetate	ND	42	1	B2C1057	03/10/2022	03/10/22 14:53	
Vinyl chloride	ND	4.2	1	B2C1057	03/10/2022	03/10/22 14:53	
Surrogate: 1,2-Dichloroethane-d4	127 %	66 - 200		B2C1057	03/10/2022	03/10/22 14:53	
Surrogate: 4-Bromofluorobenzene	87.8 %	50 - 146		B2C1057	03/10/2022	03/10/22 14:53	



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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**Client Sample ID: SV-13-15**

**Lab ID: 2200288-09**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	116 %	77 - 159		B2C1057	03/10/2022	03/10/22 14:53	
<i>Surrogate: Toluene-d8</i>	94.6 %	81 - 128		B2C1057	03/10/2022	03/10/22 14:53	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C1053	03/10/2022	03/10/22 15:13	
<i>Surrogate: 4-Bromofluorobenzene</i>	84.5 %	47.6 - 121.18		B2C1053	03/10/2022	03/10/22 15:13	

**Client Sample ID: 68-2-3-1**

**Lab ID: 2200288-10**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
<b>Barium</b>	<b>99</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
<b>Beryllium</b>	<b>2.7</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
<b>Chromium</b>	<b>17</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
<b>Cobalt</b>	<b>5.8</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
<b>Copper</b>	<b>11</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:33	
<b>Lead</b>	<b>5.2</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
<b>Nickel</b>	<b>5.2</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
<b>Silver</b>	<b>5.1</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	
<b>Zinc</b>	<b>43</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:33	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-2-3-5.5**

**Lab ID: 2200288-11**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/05/22 00:24	
<b>C23-C32</b>	<b>13</b>	10	1	B2C0961	03/04/2022	03/05/22 00:24	
<i>Surrogate: p-Terphenyl</i>	<i>110 %</i>	<i>62 - 141</i>		B2C0961	03/04/2022	<i>03/05/22 00:24</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1,1-Trichloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1,2-Trichloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1-Dichloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1-Dichloroethene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,1-Dichloropropene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2,3-Trichloropropane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2-Dibromoethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2-Dichlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2-Dichloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,2-Dichloropropane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,3-Dichlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,3-Dichloropropane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
1,4-Dichlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
2,2-Dichloropropane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
2-Chlorotoluene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
4-Chlorotoluene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
4-Isopropyltoluene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Benzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Bromobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Bromochloromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Bromodichloromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Bromoform	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Bromomethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Carbon disulfide	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	





## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-2-3-5.5**  
**Lab ID: 2200288-11**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Chlorobenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Chloroethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Chloroform	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Chloromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Di-isopropyl ether	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Dibromochloromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Dibromomethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Dichlorodifluoromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Ethyl Acetate	ND	39	1	B2C1057	03/10/2022	03/10/22 15:19	
Ethyl Ether	ND	39	1	B2C1057	03/10/2022	03/10/22 15:19	
Ethyl tert-butyl ether	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Ethylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Freon-113	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Hexachlorobutadiene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Isopropylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
m,p-Xylene	ND	7.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Methylene chloride	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
MTBE	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
n-Butylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
n-Propylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Naphthalene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
o-Xylene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
sec-Butylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Styrene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
tert-Amyl methyl ether	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
tert-Butanol	ND	79	1	B2C1057	03/10/2022	03/10/22 15:19	
tert-Butylbenzene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Tetrachloroethene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Toluene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Trichloroethene	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Trichlorofluoromethane	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	
Vinyl acetate	ND	39	1	B2C1057	03/10/2022	03/10/22 15:19	
Vinyl chloride	ND	3.9	1	B2C1057	03/10/2022	03/10/22 15:19	

Surrogate: 1,2-Dichloroethane-d4	139 %	66 - 200	B2C1057	03/10/2022	03/10/22 15:19
Surrogate: 4-Bromofluorobenzene	93.8 %	50 - 146	B2C1057	03/10/2022	03/10/22 15:19



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Reported : 05/12/2022

**Client Sample ID: 68-2-3-5.5**

**Lab ID: 2200288-11**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	115 %	77 - 159		B2C1057	03/10/2022	03/10/22 15:19	
<i>Surrogate: Toluene-d8</i>	96.6 %	81 - 128		B2C1057	03/10/2022	03/10/22 15:19	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.73	1	B2C1053	03/10/2022	03/10/22 15:54	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.0 %	47.6 - 121.18		B2C1053	03/10/2022	03/10/22 15:54	

**Client Sample ID: 68-20-1-1**

**Lab ID: 2200288-12**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Arsenic	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
<b>Barium</b>	<b>82</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Cadmium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
<b>Cobalt</b>	<b>5.3</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
<b>Copper</b>	<b>9.3</b>	2.0	1	B2C0951	03/04/2022	03/08/22 13:35	
<b>Lead</b>	<b>3.7</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Molybdenum	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
<b>Nickel</b>	<b>4.4</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Selenium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
<b>Silver</b>	<b>4.9</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
Thallium	ND	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
<b>Vanadium</b>	<b>29</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	
<b>Zinc</b>	<b>34</b>	1.0	1	B2C0951	03/04/2022	03/08/22 13:35	



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

**Client Sample ID: 68-20-1-5.5**  
**Lab ID: 2200288-13**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Acenaphthene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Acenaphthylene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Anthracene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Benzo(a)anthracene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Benzo(a)pyrene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Benzo(b)fluoranthene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Benzo(g,h,i)perylene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Benzo(k)fluoranthene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Chrysene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Dibenz(a,h)anthracene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Fluoranthene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Fluorene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Indeno(1,2,3-cd)pyrene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Naphthalene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Phenanthrene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Pyrene	ND	10	1	B2C0966	03/04/2022	03/07/22 16:04	
Surrogate: 1,2-Dichlorobenzene-d4	66.7 %	12 - 125		B2C0966	03/04/2022	03/07/22 16:04	
Surrogate: 2-Fluorobiphenyl	76.9 %	14 - 139		B2C0966	03/04/2022	03/07/22 16:04	
Surrogate: Nitrobenzene-d5	41.2 %	8 - 155		B2C0966	03/04/2022	03/07/22 16:04	
Surrogate: 4-Terphenyl-d14	102 %	16 - 152		B2C0966	03/04/2022	03/07/22 16:04	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0961	03/04/2022	03/05/22 00:43	
<b>C23-C32</b>	<b>15</b>	10	1	B2C0961	03/04/2022	03/05/22 00:43	
Surrogate: p-Terphenyl	120 %	62 - 141		B2C0961	03/04/2022	03/05/22 00:43	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,1,1-Trichloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,1,2-Trichloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

**Client Sample ID: 68-20-1-5.5**  
**Lab ID: 2200288-13**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,1-Dichloroethene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,1-Dichloropropene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2,3-Trichloropropane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2-Dibromo-3-chloropropane	ND	9.8	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2-Dibromoethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2-Dichlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2-Dichloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,2-Dichloropropane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,3-Dichlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,3-Dichloropropane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
1,4-Dichlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
2,2-Dichloropropane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
2-Chlorotoluene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
4-Chlorotoluene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
4-Isopropyltoluene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Benzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Bromobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Bromochloromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Bromodichloromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Bromoform	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Bromomethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Carbon disulfide	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Carbon tetrachloride	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Chlorobenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Chloroethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Chloroform	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Chloromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Di-isopropyl ether	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Dibromochloromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Dibromomethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Dichlorodifluoromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Ethyl Acetate	ND	49	1	B2C1057	03/10/2022	03/10/22 15:45	
Ethyl Ether	ND	49	1	B2C1057	03/10/2022	03/10/22 15:45	



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 Reported : 05/12/2022

**Client Sample ID: 68-20-1-5.5**  
**Lab ID: 2200288-13**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Ethylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Freon-113	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Hexachlorobutadiene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Isopropylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
m,p-Xylene	ND	9.8	1	B2C1057	03/10/2022	03/10/22 15:45	
Methylene chloride	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
MTBE	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
n-Butylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
n-Propylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Naphthalene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
o-Xylene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
sec-Butylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Styrene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
tert-Amyl methyl ether	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
tert-Butanol	ND	98	1	B2C1057	03/10/2022	03/10/22 15:45	
tert-Butylbenzene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Tetrachloroethene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Toluene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Trichloroethene	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Trichlorofluoromethane	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
Vinyl acetate	ND	49	1	B2C1057	03/10/2022	03/10/22 15:45	
Vinyl chloride	ND	4.9	1	B2C1057	03/10/2022	03/10/22 15:45	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>146 %</i>	<i>66 - 200</i>		B2C1057	03/10/2022	<i>03/10/22 15:45</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.6 %</i>	<i>50 - 146</i>		B2C1057	03/10/2022	<i>03/10/22 15:45</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>130 %</i>	<i>77 - 159</i>		B2C1057	03/10/2022	<i>03/10/22 15:45</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.9 %</i>	<i>81 - 128</i>		B2C1057	03/10/2022	<i>03/10/22 15:45</i>	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1053	03/10/2022	03/10/22 16:02	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.6 %</i>	<i>47.6 - 121.18</i>		B2C1053	03/10/2022	<i>03/10/22 16:02</i>	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### QUALITY CONTROL SECTION

#### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0966 - MSSEMI\_S**

**Blank (B2C0966-BLK1)**

Prepared: 3/4/2022 Analyzed: 3/7/2022

2-Methylnaphthalene	ND	10	1.2
Acenaphthene	ND	10	0.81
Acenaphthylene	ND	10	0.82
Anthracene	ND	10	1.1
Benzo(a)anthracene	ND	10	1.1
Benzo(a)pyrene	ND	10	1.4
Benzo(b)fluoranthene	ND	10	4.3
Benzo(g,h,i)perylene	ND	10	1.6
Benzo(k)fluoranthene	ND	10	1.4
Chrysene	ND	10	1.2
Dibenz(a,h)anthracene	ND	10	1.8
Fluoranthene	ND	10	0.90
Fluorene	ND	10	0.70
Indeno(1,2,3-cd)pyrene	ND	10	1.6
Naphthalene	ND	10	1.1
Phenanthrene	ND	10	0.68
Pyrene	ND	10	1.0

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	42.40		66.6667	63.6	12 - 125
<i>Surrogate: 2-Fluorobiphenyl</i>	51.33		66.6667	77.0	14 - 139
<i>Surrogate: Nitrobenzene-d5</i>	39.56		66.6667	59.3	8 - 155
<i>Surrogate: 4-Terphenyl-d14</i>	65.32		66.6667	98.0	16 - 152

**LCS (B2C0966-BS1)**

Prepared: 3/4/2022 Analyzed: 3/7/2022

2-Methylnaphthalene	35.6780	10	1.2	66.6667	53.5	39 - 92
Acenaphthene	51.5893	10	0.81	66.6667	77.4	35 - 94
Acenaphthylene	54.4973	10	0.82	66.6667	81.7	31 - 101
Anthracene	46.7447	10	1.1	66.6667	70.1	37 - 95
Benzo(a)anthracene	40.2680	10	1.1	66.6667	60.4	43 - 102
Benzo(a)pyrene	52.1687	10	1.4	66.6667	78.3	38 - 95
Benzo(b)fluoranthene	51.2087	10	4.3	66.6667	76.8	44 - 102
Benzo(g,h,i)perylene	44.5727	10	1.6	66.6667	66.9	34 - 114
Benzo(k)fluoranthene	56.4660	10	1.4	66.6667	84.7	34 - 110
Chrysene	66.2927	10	1.2	66.6667	99.4	46 - 101
Dibenz(a,h)anthracene	33.5580	10	1.8	66.6667	50.3	35 - 117
Fluoranthene	58.5627	10	0.90	66.6667	87.8	46 - 107
Fluorene	51.5067	10	0.70	66.6667	77.3	35 - 98
Indeno(1,2,3-cd)pyrene	39.9027	10	1.6	66.6667	59.9	35 - 114
Naphthalene	41.3133	10	1.1	66.6667	62.0	39 - 86
Phenanthrene	53.5067	10	0.68	66.6667	80.3	43 - 98
Pyrene	57.2647	10	1.0	66.6667	85.9	44 - 108

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	43.56		66.6667	65.3	12 - 125
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### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0966 - MSSEMI\_S (continued)**

**LCS (B2C0966-BS1) - Continued**

Prepared: 3/4/2022 Analyzed: 3/7/2022

Surrogate: 2-Fluorobiphenyl	52.97		66.6667	79.5	14 - 139
Surrogate: Nitrobenzene-d5	36.90		66.6667	55.3	8 - 155
Surrogate: 4-Terphenyl-d14	64.56		66.6667	96.8	16 - 152

**Matrix Spike (B2C0966-MS1)**

**Source: 2200288-13**

Prepared: 3/4/2022 Analyzed: 3/7/2022

2-Methylnaphthalene	38.6947	10	1.2	66.6667	ND	58.0	43 - 120
Acenaphthene	52.2767	10	0.81	66.6667	ND	78.4	52 - 113
Acenaphthylene	55.1373	10	0.82	66.6667	ND	82.7	44 - 126
Anthracene	46.4953	10	1.1	66.6667	ND	69.7	49 - 128
Benzo(a)anthracene	42.9787	10	1.1	66.6667	ND	64.5	32 - 158
Benzo(a)pyrene	43.6387	10	1.4	66.6667	ND	65.5	39 - 137
Benzo(b)fluoranthene	47.0660	10	4.3	66.6667	ND	70.6	52 - 132
Benzo(g,h,i)perylene	43.0960	10	1.6	66.6667	ND	64.6	35 - 162
Benzo(k)fluoranthene	47.5360	10	1.4	66.6667	ND	71.3	18 - 153
Chrysene	53.0740	10	1.2	66.6667	3.70000	74.1	25 - 160
Dibenz(a,h)anthracene	40.3880	10	1.8	66.6667	ND	60.6	41 - 155
Fluoranthene	55.2373	10	0.90	66.6667	3.18667	78.1	5 - 185
Fluorene	50.6960	10	0.70	66.6667	ND	76.0	28 - 135
Indeno(1,2,3-cd)pyrene	39.7873	10	1.6	66.6667	ND	59.7	36 - 162
Naphthalene	43.2747	10	1.1	66.6667	ND	64.9	41 - 113
Phenanthrene	52.2720	10	0.68	66.6667	1.04667	76.8	35 - 143
Pyrene	56.6907	10	1.0	66.6667	2.55467	81.2	10 - 184

Surrogate: 1,2-Dichlorobenzene-d4	46.52		66.6667	69.8	12 - 125
Surrogate: 2-Fluorobiphenyl	53.35		66.6667	80.0	14 - 139
Surrogate: Nitrobenzene-d5	38.91		66.6667	58.4	8 - 155
Surrogate: 4-Terphenyl-d14	58.74		66.6667	88.1	16 - 152

**Matrix Spike Dup (B2C0966-MSD1)**

**Source: 2200288-13**

Prepared: 3/4/2022 Analyzed: 3/7/2022

2-Methylnaphthalene	39.1760	10	1.2	66.6667	ND	58.8	43 - 120	1.24	20
Acenaphthene	52.9653	10	0.81	66.6667	ND	79.4	52 - 113	1.31	20
Acenaphthylene	54.2693	10	0.82	66.6667	ND	81.4	44 - 126	1.59	20
Anthracene	49.8833	10	1.1	66.6667	ND	74.8	49 - 128	7.03	20
Benzo(a)anthracene	48.1833	10	1.1	66.6667	ND	72.3	32 - 158	11.4	20
Benzo(a)pyrene	44.3213	10	1.4	66.6667	ND	66.5	39 - 137	1.55	20
Benzo(b)fluoranthene	49.4007	10	4.3	66.6667	ND	74.1	52 - 132	4.84	20
Benzo(g,h,i)perylene	40.9260	10	1.6	66.6667	ND	61.4	35 - 162	5.17	20
Benzo(k)fluoranthene	47.7467	10	1.4	66.6667	ND	71.6	18 - 153	0.442	20
Chrysene	57.7560	10	1.2	66.6667	3.70000	81.1	25 - 160	8.45	20
Dibenz(a,h)anthracene	38.1253	10	1.8	66.6667	ND	57.2	41 - 155	5.76	20
Fluoranthene	57.3660	10	0.90	66.6667	3.18667	81.3	5 - 185	3.78	20
Fluorene	51.0760	10	0.70	66.6667	ND	76.6	28 - 135	0.747	20
Indeno(1,2,3-cd)pyrene	40.4247	10	1.6	66.6667	ND	60.6	36 - 162	1.59	20
Naphthalene	43.6013	10	1.1	66.6667	ND	65.4	41 - 113	0.752	20
Phenanthrene	55.4800	10	0.68	66.6667	1.04667	81.6	35 - 143	5.95	20
Pyrene	57.5707	10	1.0	66.6667	2.55467	82.5	10 - 184	1.54	20



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

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Irvine , CA 92612

Reported : 05/12/2022

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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### Batch B2C0966 - MSSEMI\_S (continued)

#### Matrix Spike Dup (B2C0966-MSD1) - Continued

Source: 2200288-13

Prepared: 3/4/2022 Analyzed: 3/7/2022

Surrogate: 1,2-Dichlorobenzene-d4	44.20		66.6667		66.3	12 - 125			
Surrogate: 2-Fluorobiphenyl	50.49		66.6667		75.7	14 - 139			
Surrogate: Nitrobenzene-d5	38.02		66.6667		57.0	8 - 155			
Surrogate: 4-Terphenyl-d14	58.19		66.6667		87.3	16 - 152			





## Certificate of Analysis

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 Reported : 05/12/2022

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1053 - GCVOA_S</b>										
<b>Blank (B2C1053-BLK1)</b>						Prepared: 3/10/2022 Analyzed: 3/10/2022				
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	0.6566			0.800000		82.1	47.6 - 121.18			
<b>LCS (B2C1053-BS1)</b>						Prepared: 3/10/2022 Analyzed: 3/10/2022				
Gasoline Range Organics	5.91600	1.0	0.13	5.00000		118	68.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7599			0.800000		95.0	47.6 - 121.18			
<b>LCS Dup (B2C1053-BSD1)</b>						Prepared: 3/10/2022 Analyzed: 3/10/2022				
Gasoline Range Organics	5.80700	1.0	0.13	5.00000		116	68.69 - 124.04	1.86	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7573			0.800000		94.7	47.6 - 121.18			
<b>Matrix Spike (B2C1053-MS2)</b>						Prepared: 3/10/2022 Analyzed: 3/10/2022				
					<b>Source: 2200268-19</b>					
Gasoline Range Organics	6.51423	1.0	0.13	5.08130	ND	128	37.92 - 128.32			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7163			0.800000		89.5	47.6 - 121.18			
<b>Matrix Spike Dup (B2C1053-MSD2)</b>						Prepared: 3/10/2022 Analyzed: 3/10/2022				
					<b>Source: 2200268-19</b>					
Gasoline Range Organics	5.75659	1.0	0.13	5.07099	ND	114	37.92 - 128.32	12.3	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7938			0.800000		99.2	47.6 - 121.18			



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0951 - EPA 3050B\_S**

**Blank (B2C0951-BLK1)**

Prepared: 3/4/2022 Analyzed: 3/8/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

**LCS (B2C0951-BS1)**

Prepared: 3/4/2022 Analyzed: 3/8/2022

Antimony	23.1854	2.0	0.51	25.0000	92.7	80 - 120
Arsenic	22.9458	1.0	0.12	25.0000	91.8	80 - 120
Barium	22.3880	1.0	0.12	25.0000	89.6	80 - 120
Beryllium	24.0710	1.0	0.03	25.0100	96.2	80 - 120
Cadmium	23.7821	1.0	0.14	25.0000	95.1	80 - 120
Chromium	23.3078	1.0	0.26	25.0000	93.2	80 - 120
Cobalt	24.8833	1.0	0.07	25.0000	99.5	80 - 120
Copper	22.9524	2.0	0.19	25.0000	91.8	80 - 120
Lead	23.3185	1.0	0.18	25.0000	93.3	80 - 120
Molybdenum	23.9518	1.0	0.12	25.0000	95.8	80 - 120
Nickel	23.5133	1.0	0.18	25.0000	94.1	80 - 120
Selenium	23.8315	1.0	0.40	25.0000	95.3	80 - 120
Silver	11.2073	1.0	0.12	12.5000	89.7	80 - 120
Thallium	23.3307	1.0	0.38	25.0000	93.3	80 - 120
Vanadium	23.1011	1.0	0.06	25.0000	92.4	80 - 120
Zinc	23.7356	1.0	0.15	25.0000	94.9	80 - 120

**Matrix Spike (B2C0951-MS1)**

**Source: 2200285-01**

Prepared: 3/4/2022 Analyzed: 3/8/2022

Antimony	10.9099	2.0	0.51	25.0000	ND	43.6	0 - 102
Arsenic	19.5336	1.0	0.12	25.0000	ND	78.1	55 - 117
Barium	96.8798	1.0	0.12	25.0000	76.8436	80.1	11 - 177
Beryllium	18.2354	1.0	0.03	25.0100	2.40245	63.3	64 - 115
Cadmium	20.1361	1.0	0.14	25.0000	0.387800	79.0	62 - 116
Chromium	32.2407	1.0	0.26	25.0000	12.7233	78.1	42 - 145
Cobalt	25.7868	1.0	0.07	25.0000	4.68113	84.4	60 - 126
Copper	31.0476	2.0	0.19	25.0000	9.22346	87.3	37 - 163
Lead	23.1841	1.0	0.18	25.0000	4.72732	73.8	26 - 161

M2



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0951 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C0951-MS1) - Continued**

**Source: 2200285-01**

Prepared: 3/4/2022 Analyzed: 3/8/2022

Molybdenum	20.2106	1.0	0.12	25.0000	0.160201	80.2	31 - 122			
Nickel	19.4956	1.0	0.18	25.0000	4.69301	59.2	52 - 130			
Selenium	19.3991	1.0	0.40	25.0000	ND	77.6	25 - 129			
Silver	14.7389	1.0	0.12	12.5000	4.94651	78.3	48 - 133			
Thallium	19.0993	1.0	0.38	25.0000	ND	76.4	25 - 119			
Vanadium	50.4672	1.0	0.06	25.0000	28.8134	86.6	51 - 141			
Zinc	52.8232	1.0	0.15	25.0000	32.6049	80.9	8 - 170			

**Matrix Spike Dup (B2C0951-MSD1)**

**Source: 2200285-01**

Prepared: 3/4/2022 Analyzed: 3/8/2022

Antimony	10.5937	2.0	0.51	25.0000	ND	42.4	0 - 102	2.94	20	
Arsenic	19.4829	1.0	0.12	25.0000	ND	77.9	55 - 117	0.260	20	
Barium	96.2537	1.0	0.12	25.0000	76.8436	77.6	11 - 177	0.648	20	
Beryllium	18.1937	1.0	0.03	25.0100	2.40245	63.1	64 - 115	0.229	20	M2
Cadmium	19.9435	1.0	0.14	25.0000	0.387800	78.2	62 - 116	0.961	20	
Chromium	32.0574	1.0	0.26	25.0000	12.7233	77.3	42 - 145	0.570	20	
Cobalt	25.7364	1.0	0.07	25.0000	4.68113	84.2	60 - 126	0.195	20	
Copper	30.4054	2.0	0.19	25.0000	9.22346	84.7	37 - 163	2.09	20	
Lead	22.9674	1.0	0.18	25.0000	4.72732	73.0	26 - 161	0.939	20	
Molybdenum	20.1250	1.0	0.12	25.0000	0.160201	79.9	31 - 122	0.425	20	
Nickel	19.5683	1.0	0.18	25.0000	4.69301	59.5	52 - 130	0.372	20	
Selenium	20.1247	1.0	0.40	25.0000	ND	80.5	25 - 129	3.67	20	
Silver	14.8017	1.0	0.12	12.5000	4.94651	78.8	48 - 133	0.425	20	
Thallium	18.4734	1.0	0.38	25.0000	ND	73.9	25 - 119	3.33	20	
Vanadium	50.3514	1.0	0.06	25.0000	28.8134	86.2	51 - 141	0.230	20	
Zinc	52.1772	1.0	0.15	25.0000	32.6049	78.3	8 - 170	1.23	20	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C0947 - EPA 7471_S</b>										
<b>Blank (B2C0947-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 3/4/2022 Analyzed: 3/7/2022
<b>LCS (B2C0947-BS1)</b>										
Mercury	0.407590	0.10	0.01	0.416667		97.8	80 - 120			Prepared: 3/4/2022 Analyzed: 3/7/2022
<b>Matrix Spike (B2C0947-MS1)</b>										
										<b>Source: 2200291-01</b> Prepared: 3/4/2022 Analyzed: 3/7/2022
Mercury	0.640652	0.10	0.01	0.416667	0.217255	102	70 - 130			
<b>Matrix Spike Dup (B2C0947-MSD1)</b>										
										<b>Source: 2200291-01</b> Prepared: 3/4/2022 Analyzed: 3/7/2022
Mercury	0.659394	0.10	0.01	0.416667	0.217255	106	70 - 130	2.88	20	



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#### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C0947 - EPA 7471\_S

Post Spike (B2C0947-PS1)

Source: 2200291-01

Prepared: 3/4/2022 Analyzed: 3/7/2022

Mercury	0.007021		5.00000E-3	0.002607	88.3	85 - 115			
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Project Number : Ontario Airport / 5925  
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### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes	
<b>Batch B2C0961 - GCSEMI_DRO_S</b>											
<b>Blank (B2C0961-BLK1)</b>					Prepared: 3/4/2022 Analyzed: 3/4/2022						
C13-C23	ND	10	3.6								
C23-C32	ND	10	3.6								
<hr/>											
<i>Surrogate: p-Terphenyl</i>	78.56			80.0000		98.2	62 - 141				
<b>LCS (B2C0961-BS1)</b>					Prepared: 3/4/2022 Analyzed: 3/4/2022						
DRO	965.143	10	3.6	1000.00		96.5	56 - 139				
<hr/>											
<i>Surrogate: p-Terphenyl</i>	85.68			80.0000		107	62 - 141				
<b>Matrix Spike (B2C0961-MS1)</b>					<b>Source: 2200291-01</b>			Prepared: 3/4/2022 Analyzed: 3/4/2022			
DRO	1089.66	50	18	1000.00	ND	109	38 - 161				
<hr/>											
<i>Surrogate: p-Terphenyl</i>	78.54			80.0000		98.2	62 - 141				
<b>Matrix Spike Dup (B2C0961-MSD1)</b>					<b>Source: 2200291-01</b>			Prepared: 3/4/2022 Analyzed: 3/4/2022			
DRO	1066.85	50	18	1000.00	ND	107	38 - 161	2.12	20		
<hr/>											
<i>Surrogate: p-Terphenyl</i>	85.08			80.0000		106	62 - 141				



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 Reported : 05/12/2022

### Organochlorine Pesticides by EPA 8081A - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0972 - GCSEMI\_PCB/PEST\_S**

**Blank (B2C0972-BLK1)**

Prepared: 3/4/2022 Analyzed: 3/4/2022

4,4'-DDD	ND	2.0	0.08						
4,4'-DDD [2C]	ND	2.0	0.08						
4,4'-DDE	ND	2.0	0.09						
4,4'-DDE [2C]	ND	2.0	0.09						
4,4'-DDT	ND	2.0	0.10						
4,4'-DDT [2C]	ND	2.0	0.10						
Aldrin	ND	1.0	0.09						
Aldrin [2C]	ND	1.0	0.09						
alpha-BHC	ND	1.0	0.11						
alpha-BHC [2C]	ND	1.0	0.11						
alpha-Chlordane	ND	1.0	0.10						
alpha-Chlordane [2C]	ND	1.0	0.10						
beta-BHC	ND	1.0	0.15						
beta-BHC [2C]	ND	1.0	0.15						
Chlordane	ND	8.5	1.1						
Chlordane [2C]	ND	8.5	1.1						
delta-BHC	ND	1.0	0.11						
delta-BHC [2C]	ND	1.0	0.11						
Dieldrin	ND	2.0	0.09						
Dieldrin [2C]	ND	2.0	0.09						
Endosulfan I	ND	1.0	0.09						
Endosulfan I [2C]	ND	1.0	0.09						
Endosulfan II	ND	2.0	0.09						
Endosulfan II [2C]	ND	2.0	0.09						
Endosulfan sulfate	ND	2.0	0.11						
Endosulfan Sulfate [2C]	ND	2.0	0.11						
Endrin	ND	2.0	0.07						
Endrin [2C]	ND	2.0	0.07						
Endrin aldehyde	ND	2.0	0.18						
Endrin aldehyde [2C]	ND	2.0	0.18						
Endrin ketone	ND	2.0	0.06						
Endrin ketone [2C]	ND	2.0	0.06						
gamma-BHC	ND	1.0	0.12						
gamma-BHC [2C]	ND	1.0	0.12						
gamma-Chlordane	ND	1.0	0.11						
gamma-Chlordane [2C]	ND	1.0	0.11						
Heptachlor	ND	1.0	0.10						
Heptachlor [2C]	ND	1.0	0.10						
Heptachlor epoxide	ND	1.0	0.09						
Heptachlor epoxide [2C]	ND	1.0	0.09						
Methoxychlor	ND	5.0	0.14						
Methoxychlor [2C]	ND	5.0	0.14						
Toxaphene	ND	50	3.6						
Toxaphene [2C]	ND	50	3.6						



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### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0972 - GCSEMI\_PCB/PEST\_S (continued)**

**Blank (B2C0972-BLK1) - Continued**

Prepared: 3/4/2022 Analyzed: 3/4/2022

Surrogate: Decachlorobiphenyl	11.39		16.6667		68.3	0 - 97			
Surrogate: Decachlorobiphenyl [2C]	10.15		16.6667		60.9	0 - 89			
Surrogate: Tetrachloro-m-xylene	10.15		16.6667		60.9	3 - 78			
Surrogate: Tetrachloro-m-xylene [2C]	10.24		16.6667		61.4	6 - 76			

**LCS (B2C0972-BS1)**

Prepared: 3/4/2022 Analyzed: 3/4/2022

4,4'-DDD	14.7698	2.0	0.08	16.6667	88.6	35 - 94			
4,4'-DDD [2C]	14.5868	2.0	0.08	16.6667	87.5	38 - 85			L3
4,4'-DDE	12.2942	2.0	0.09	16.6667	73.8	27 - 81			
4,4'-DDE [2C]	12.3942	2.0	0.09	16.6667	74.4	32 - 84			
4,4'-DDT	9.92250	2.0	0.10	16.6667	59.5	22 - 87			
4,4'-DDT [2C]	9.98167	2.0	0.10	16.6667	59.9	23 - 91			
Aldrin	10.3810	1.0	0.09	16.6667	62.3	23 - 75			
Aldrin [2C]	10.3413	1.0	0.09	16.6667	62.0	25 - 79			
alpha-BHC	10.4925	1.0	0.11	16.6667	63.0	23 - 77			
alpha-BHC [2C]	10.4252	1.0	0.11	16.6667	62.6	39 - 92			
alpha-Chlordane	12.7872	1.0	0.10	16.6667	76.7	30 - 85			
alpha-Chlordane [2C]	13.0552	1.0	0.10	16.6667	78.3	33 - 91			
beta-BHC	11.0245	1.0	0.15	16.6667	66.1	29 - 77			
beta-BHC [2C]	11.5867	1.0	0.15	16.6667	69.5	30 - 80			
delta-BHC	12.6768	1.0	0.11	16.6667	76.1	30 - 85			
delta-BHC [2C]	12.3052	1.0	0.11	16.6667	73.8	33 - 92			
Dieldrin	12.2380	2.0	0.09	16.6667	73.4	31 - 80			
Dieldrin [2C]	11.9828	2.0	0.09	16.6667	71.9	33 - 82			
Endosulfan I	11.2105	1.0	0.09	16.6667	67.3	27 - 74			
Endosulfan I [2C]	10.7890	1.0	0.09	16.6667	64.7	30 - 79			
Endosulfan II	12.5387	2.0	0.09	16.6667	75.2	37 - 86			
Endosulfan II [2C]	12.6677	2.0	0.09	16.6667	76.0	38 - 86			
Endosulfan sulfate	11.5143	2.0	0.11	16.6667	69.1	32 - 80			
Endosulfan Sulfate [2C]	11.3738	2.0	0.11	16.6667	68.2	32 - 87			
Endrin	12.6440	2.0	0.07	16.6667	75.9	35 - 92			
Endrin [2C]	12.7210	2.0	0.07	16.6667	76.3	39 - 98			
Endrin aldehyde	12.4767	2.0	0.18	16.6667	74.9	29 - 82			
Endrin aldehyde [2C]	13.0660	2.0	0.18	16.6667	78.4	30 - 91			
Endrin ketone	11.5240	2.0	0.06	16.6667	69.1	30 - 85			
Endrin ketone [2C]	11.7863	2.0	0.06	16.6667	70.7	32 - 84			
gamma-BHC	11.0878	1.0	0.12	16.6667	66.5	25 - 81			
gamma-BHC [2C]	11.2623	1.0	0.12	16.6667	67.6	26 - 83			
gamma-Chlordane	10.6227	1.0	0.11	16.6667	63.7	30 - 77			
gamma-Chlordane [2C]	11.0177	1.0	0.11	16.6667	66.1	32 - 79			
Heptachlor	10.0967	1.0	0.10	16.6667	60.6	23 - 85			
Heptachlor [2C]	10.3803	1.0	0.10	16.6667	62.3	28 - 84			
Heptachlor epoxide	10.9628	1.0	0.09	16.6667	65.8	26 - 76			
Heptachlor epoxide [2C]	11.1578	1.0	0.09	16.6667	66.9	29 - 80			
Methoxychlor	10.9287	5.0	0.14	16.6667	65.6	27 - 93			





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### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0972 - GCSEMI\_PCB/PEST\_S (continued)**

**LCS (B2C0972-BS1) - Continued**

Prepared: 3/4/2022 Analyzed: 3/4/2022

Methoxychlor [2C]	11.3255	5.0	0.14	16.6667		68.0	27 - 98			
<i>Surrogate: Decachlorobiphenyl</i>	<i>11.63</i>			<i>16.6667</i>		<i>69.8</i>	<i>0 - 97</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>10.59</i>			<i>16.6667</i>		<i>63.5</i>	<i>0 - 89</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>9.850</i>			<i>16.6667</i>		<i>59.1</i>	<i>3 - 78</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>10.12</i>			<i>16.6667</i>		<i>60.7</i>	<i>6 - 76</i>			

**Matrix Spike (B2C0972-MS1)**

**Source: 2200288-01**

Prepared: 3/4/2022 Analyzed: 3/4/2022

4,4'-DDD	12.7418	2.0	0.08	16.6667	ND	76.5	13 - 84			
4,4'-DDD [2C]	13.3392	2.0	0.08	16.6667	ND	80.0	9 - 91			
4,4'-DDE	11.3237	2.0	0.09	16.6667	0.519333	64.8	0 - 115			
4,4'-DDE [2C]	11.9713	2.0	0.09	16.6667	0.599667	68.2	0 - 142			
4,4'-DDT	9.15783	2.0	0.10	16.6667	0.295333	53.2	0 - 116			
4,4'-DDT [2C]	9.38250	2.0	0.10	16.6667	0.263833	54.7	0 - 112			
Aldrin	9.33367	1.0	0.09	16.6667	ND	56.0	5 - 80			
Aldrin [2C]	9.86867	1.0	0.09	16.6667	ND	59.2	4 - 86			
alpha-BHC	9.42683	1.0	0.11	16.6667	ND	56.6	10 - 76			
alpha-BHC [2C]	9.93533	1.0	0.11	16.6667	ND	59.6	8 - 86			
alpha-Chlordane	11.1718	1.0	0.10	16.6667	ND	67.0	6 - 92			
alpha-Chlordane [2C]	12.1612	1.0	0.10	16.6667	ND	73.0	1 - 112			
beta-BHC	9.65500	1.0	0.15	16.6667	ND	57.9	14 - 72			
beta-BHC [2C]	11.2837	1.0	0.15	16.6667	ND	67.7	16 - 76			
delta-BHC	10.8958	1.0	0.11	16.6667	ND	65.4	14 - 76			
delta-BHC [2C]	11.4995	1.0	0.11	16.6667	ND	69.0	12 - 86			
Dieldrin	10.8350	2.0	0.09	16.6667	ND	65.0	0 - 122			
Dieldrin [2C]	11.2652	2.0	0.09	16.6667	ND	67.6	0 - 110			
Endosulfan I	9.97467	1.0	0.09	16.6667	ND	59.8	6 - 80			
Endosulfan I [2C]	10.2227	1.0	0.09	16.6667	ND	61.3	0 - 96			
Endosulfan II	10.8510	2.0	0.09	16.6667	ND	65.1	17 - 82			
Endosulfan II [2C]	11.6698	2.0	0.09	16.6667	ND	70.0	6 - 98			
Endosulfan sulfate	10.2302	2.0	0.11	16.6667	ND	61.4	9 - 78			
Endosulfan Sulfate [2C]	10.7292	2.0	0.11	16.6667	ND	64.4	14 - 75			
Endrin	11.1800	2.0	0.07	16.6667	ND	67.1	6 - 111			
Endrin [2C]	11.9698	2.0	0.07	16.6667	ND	71.8	21 - 94			
Endrin aldehyde	11.0608	2.0	0.18	16.6667	ND	66.4	0 - 121			
Endrin aldehyde [2C]	12.5290	2.0	0.18	16.6667	ND	75.2	9 - 87			
Endrin ketone	10.2272	2.0	0.06	16.6667	ND	61.4	8 - 78			
Endrin ketone [2C]	10.9848	2.0	0.06	16.6667	ND	65.9	10 - 84			
gamma-BHC	10.0122	1.0	0.12	16.6667	ND	60.1	14 - 81			
gamma-BHC [2C]	10.7653	1.0	0.12	16.6667	ND	64.6	13 - 84			
gamma-Chlordane	10.3132	1.0	0.11	16.6667	ND	61.9	12 - 79			
gamma-Chlordane [2C]	10.3835	1.0	0.11	16.6667	ND	62.3	11 - 82			
Heptachlor	9.10700	1.0	0.10	16.6667	ND	54.6	3 - 92			
Heptachlor [2C]	9.85650	1.0	0.10	16.6667	ND	59.1	15 - 81			
Heptachlor epoxide	9.61583	1.0	0.09	16.6667	ND	57.7	11 - 75			
Heptachlor epoxide [2C]	10.5802	1.0	0.09	16.6667	ND	63.5	16 - 76			



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### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B2C0972 - GCSEMI\_PCB/PEST\_S (continued)

##### Matrix Spike (B2C0972-MS1) - Continued

Source: 2200288-01

Prepared: 3/4/2022 Analyzed: 3/4/2022

Methoxychlor	9.88850	5.0	0.14	16.6667	ND	59.3	0 - 101			
Methoxychlor [2C]	11.0503	5.0	0.14	16.6667	ND	66.3	0 - 110			

<i>Surrogate: Decachlorobiphenyl</i>	<i>10.36</i>			<i>16.6667</i>		<i>62.2</i>	<i>0 - 97</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>10.31</i>			<i>16.6667</i>		<i>61.9</i>	<i>0 - 89</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>8.779</i>			<i>16.6667</i>		<i>52.7</i>	<i>3 - 78</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>9.657</i>			<i>16.6667</i>		<i>57.9</i>	<i>6 - 76</i>			

##### Matrix Spike Dup (B2C0972-MSD1)

Source: 2200288-01

Prepared: 3/4/2022 Analyzed: 3/4/2022

4,4'-DDD	12.8423	2.0	0.08	16.6667	ND	77.1	13 - 84	0.786	20
4,4'-DDD [2C]	13.3855	2.0	0.08	16.6667	ND	80.3	9 - 91	0.347	20
4,4'-DDE	11.5028	2.0	0.09	16.6667	0.519333	65.9	0 - 115	1.57	20
4,4'-DDE [2C]	12.1528	2.0	0.09	16.6667	0.599667	69.3	0 - 142	1.50	20
4,4'-DDT	9.29833	2.0	0.10	16.6667	0.295333	54.0	0 - 116	1.52	20
4,4'-DDT [2C]	9.85883	2.0	0.10	16.6667	0.263833	57.6	0 - 112	4.95	20
Aldrin	9.28983	1.0	0.09	16.6667	ND	55.7	5 - 80	0.471	20
Aldrin [2C]	9.75917	1.0	0.09	16.6667	ND	58.6	4 - 86	1.12	20
alpha-BHC	9.21233	1.0	0.11	16.6667	ND	55.3	10 - 76	2.30	20
alpha-BHC [2C]	9.60117	1.0	0.11	16.6667	ND	57.6	8 - 86	3.42	20
alpha-Chlordane	11.3923	1.0	0.10	16.6667	ND	68.4	6 - 92	1.95	20
alpha-Chlordane [2C]	12.3920	1.0	0.10	16.6667	ND	74.4	1 - 112	1.88	20
beta-BHC	9.86383	1.0	0.15	16.6667	ND	59.2	14 - 72	2.14	20
beta-BHC [2C]	10.9333	1.0	0.15	16.6667	ND	65.6	16 - 76	3.15	20
delta-BHC	11.2170	1.0	0.11	16.6667	ND	67.3	14 - 76	2.90	20
delta-BHC [2C]	11.5678	1.0	0.11	16.6667	ND	69.4	12 - 86	0.592	20
Dieldrin	10.9817	2.0	0.09	16.6667	ND	65.9	0 - 122	1.34	20
Dieldrin [2C]	11.3333	2.0	0.09	16.6667	ND	68.0	0 - 110	0.603	20
Endosulfan I	10.1333	1.0	0.09	16.6667	ND	60.8	6 - 80	1.58	20
Endosulfan I [2C]	10.2632	1.0	0.09	16.6667	ND	61.6	0 - 96	0.395	20
Endosulfan II	10.9717	2.0	0.09	16.6667	ND	65.8	17 - 82	1.11	20
Endosulfan II [2C]	11.7482	2.0	0.09	16.6667	ND	70.5	6 - 98	0.669	20
Endosulfan sulfate	10.3223	2.0	0.11	16.6667	ND	61.9	9 - 78	0.897	20
Endosulfan Sulfate [2C]	10.8373	2.0	0.11	16.6667	ND	65.0	14 - 75	1.00	20
Endrin	11.4747	2.0	0.07	16.6667	ND	68.8	6 - 111	2.60	20
Endrin [2C]	12.1080	2.0	0.07	16.6667	ND	72.6	21 - 94	1.15	20
Endrin aldehyde	11.0648	2.0	0.18	16.6667	ND	66.4	0 - 121	0.0362	20
Endrin aldehyde [2C]	12.2037	2.0	0.18	16.6667	ND	73.2	9 - 87	2.63	20
Endrin ketone	10.2555	2.0	0.06	16.6667	ND	61.5	8 - 78	0.277	20
Endrin ketone [2C]	10.9547	2.0	0.06	16.6667	ND	65.7	10 - 84	0.275	20
gamma-BHC	9.95383	1.0	0.12	16.6667	ND	59.7	14 - 81	0.584	20
gamma-BHC [2C]	10.6342	1.0	0.12	16.6667	ND	63.8	13 - 84	1.23	20
gamma-Chlordane	9.48767	1.0	0.11	16.6667	ND	56.9	12 - 79	8.34	20
gamma-Chlordane [2C]	10.3005	1.0	0.11	16.6667	ND	61.8	11 - 82	0.803	20
Heptachlor	9.15250	1.0	0.10	16.6667	ND	54.9	3 - 92	0.498	20
Heptachlor [2C]	9.86350	1.0	0.10	16.6667	ND	59.2	15 - 81	0.0710	20
Heptachlor epoxide	9.98850	1.0	0.09	16.6667	ND	59.9	11 - 75	3.80	20



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0972 - GCSEMI\_PCB/PEST\_S (continued)**

**Matrix Spike Dup (B2C0972-MSD1) - Continued**

Source: 2200288-01

Prepared: 3/4/2022 Analyzed: 3/4/2022

Heptachlor epoxide [2C]	10.6193	1.0	0.09	16.6667	ND	63.7	16 - 76	0.369	20	
Methoxychlor	10.1952	5.0	0.14	16.6667	ND	61.2	0 - 101	3.05	20	
Methoxychlor [2C]	11.0752	5.0	0.14	16.6667	ND	66.5	0 - 110	0.225	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>10.22</i>			<i>16.6667</i>		<i>61.3</i>	<i>0 - 97</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>10.43</i>			<i>16.6667</i>		<i>62.6</i>	<i>0 - 89</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>8.485</i>			<i>16.6667</i>		<i>50.9</i>	<i>3 - 78</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>9.034</i>			<i>16.6667</i>		<i>54.2</i>	<i>6 - 76</i>			



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1029 - MSVOA\_S**

**Blank (B2C1029-BLK1)**

Prepared: 3/9/2022 Analyzed: 3/9/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1029 - MSVOA\_S (continued)**

**Blank (B2C1029-BLK1) - Continued**

Prepared: 3/9/2022 Analyzed: 3/9/2022

Ethylbenzene	ND	5.0	0.43
Freon-113	ND	5.0	1.3
Hexachlorobutadiene	ND	5.0	0.40
Isopropylbenzene	ND	5.0	0.79
m,p-Xylene	ND	10	0.98
Methylene chloride	ND	5.0	2.2
MTBE	ND	5.0	0.81
n-Butylbenzene	ND	5.0	1.2
n-Propylbenzene	ND	5.0	0.78
Naphthalene	ND	5.0	1.1
o-Xylene	ND	5.0	0.67
sec-Butylbenzene	ND	5.0	0.63
Styrene	ND	5.0	0.45
tert-Amyl methyl ether	ND	5.0	1.1
tert-Butanol	ND	100	11
tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	63.82	50.0000	128	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	45.13	50.0000	90.3	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	56.24	50.0000	112	77 - 159
<i>Surrogate: Toluene-d8</i>	48.33	50.0000	96.7	81 - 128

**Blank (B2C1029-BLK2)**

Prepared: 3/9/2022 Analyzed: 3/9/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52
1,1,1-Trichloroethane	ND	5.0	0.26
1,1,2,2-Tetrachloroethane	ND	5.0	0.21
1,1,2-Trichloroethane	ND	5.0	0.40
1,1-Dichloroethane	ND	5.0	1.4
1,1-Dichloroethene	ND	5.0	1.9
1,1-Dichloropropene	ND	5.0	0.54
1,2,3-Trichloropropane	ND	5.0	0.40
1,2,3-Trichlorobenzene	ND	5.0	0.83
1,2,4-Trichlorobenzene	ND	5.0	0.80
1,2,4-Trimethylbenzene	ND	5.0	0.91
1,2-Dibromo-3-chloropropane	ND	10	1.1
1,2-Dibromoethane	ND	5.0	0.40
1,2-Dichlorobenzene	ND	5.0	0.21
1,2-Dichloroethane	ND	5.0	0.50



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1029 - MSVOA\_S (continued)**

**Blank (B2C1029-BLK2) - Continued**

Prepared: 3/9/2022 Analyzed: 3/9/2022

1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						
Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1029 - MSVOA\_S (continued)**

**Blank (B2C1029-BLK2) - Continued**

Prepared: 3/9/2022 Analyzed: 3/9/2022

tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	62.77		50.0000	126	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	48.40		50.0000	96.8	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	53.97		50.0000	108	77 - 159
<i>Surrogate: Toluene-d8</i>	47.58		50.0000	95.2	81 - 128

**LCS (B2C1029-BS1)**

Prepared: 3/9/2022 Analyzed: 3/9/2022

1,1,1,2-Tetrachloroethane	50.2600	5.0	0.52	50.0000	101	84 - 123
1,1,1-Trichloroethane	58.7400	5.0	0.26	50.0000	117	78 - 133
1,1,2,2-Tetrachloroethane	39.3400	5.0	0.21	50.0000	78.7	63 - 127
1,1,2-Trichloroethane	47.6200	5.0	0.40	50.0000	95.2	80 - 125
1,1-Dichloroethane	53.5300	5.0	1.4	50.0000	107	77 - 128
1,1-Dichloroethene	57.2700	5.0	1.9	50.0000	115	69 - 138
1,1-Dichloropropene	51.0800	5.0	0.54	50.0000	102	80 - 133
1,2,3-Trichloropropane	43.7000	5.0	0.40	50.0000	87.4	74 - 123
1,2,3-Trichlorobenzene	45.0600	5.0	0.83	50.0000	90.1	79 - 133
1,2,4-Trichlorobenzene	43.5000	5.0	0.80	50.0000	87.0	73 - 131
1,2,4-Trimethylbenzene	45.8100	5.0	0.91	50.0000	91.6	86 - 137
1,2-Dibromo-3-chloropropane	42.9100	10	1.1	50.0000	85.8	62 - 127
1,2-Dibromoethane	48.4300	5.0	0.40	50.0000	96.9	83 - 126
1,2-Dichlorobenzene	43.4400	5.0	0.21	50.0000	86.9	83 - 123
1,2-Dichloroethane	55.5800	5.0	0.50	50.0000	111	76 - 128
1,2-Dichloropropane	44.5100	5.0	0.46	50.0000	89.0	77 - 121
1,3,5-Trimethylbenzene	44.9900	5.0	0.70	50.0000	90.0	84 - 135
1,3-Dichlorobenzene	43.8600	5.0	0.36	50.0000	87.7	81 - 126
1,3-Dichloropropane	48.7100	5.0	0.49	50.0000	97.4	80 - 118
1,4-Dichlorobenzene	44.8100	5.0	0.27	50.0000	89.6	80 - 124
2,2-Dichloropropane	53.1300	5.0	0.28	50.0000	106	72 - 135
2-Chlorotoluene	46.2600	5.0	0.53	50.0000	92.5	81 - 127
4-Chlorotoluene	45.9800	5.0	0.40	50.0000	92.0	83 - 127
4-Isopropyltoluene	43.6400	5.0	0.81	50.0000	87.3	82 - 143
Benzene	49.9700	5.0	0.36	50.0000	99.9	84 - 123
Bromobenzene	44.7900	5.0	0.62	50.0000	89.6	80 - 122
Bromochloromethane	50.4800	5.0	0.30	50.0000	101	83 - 127
Bromodichloromethane	54.1900	5.0	0.52	50.0000	108	82 - 123
Bromoform	47.3900	5.0	1.4	50.0000	94.8	80 - 132
Bromomethane	79.7500	5.0	2.5	50.0000	160	67 - 176



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1029 - MSVOA_S (continued)</b>										
<b>LCS (B2C1029-BS1) - Continued</b>					Prepared: 3/9/2022 Analyzed: 3/9/2022					
Carbon disulfide	57.3000	5.0	0.94	50.0000		115	75 - 138			
Carbon tetrachloride	54.0200	5.0	0.73	50.0000		108	76 - 131			
Chlorobenzene	47.8600	5.0	0.42	50.0000		95.7	84 - 119			
Chloroethane	67.1000	5.0	1.5	50.0000		134	56 - 170			
Chloroform	56.9800	5.0	0.24	50.0000		114	78 - 129			
Chloromethane	46.3000	5.0	1.1	50.0000		92.6	63 - 141			
cis-1,2-Dichloroethene	41.1200	5.0	0.20	50.0000		82.2	83 - 125			L3
cis-1,3-Dichloropropene	42.7700	5.0	0.39	50.0000		85.5	76 - 129			
Di-isopropyl ether	46.8500	5.0	1.9	50.0000		93.7	73 - 132			
Dibromochloromethane	45.2900	5.0	0.81	50.0000		90.6	81 - 120			
Dibromomethane	51.4800	5.0	0.23	50.0000		103	79 - 124			
Dichlorodifluoromethane	51.9600	5.0	0.14	50.0000		104	18 - 199			
Ethyl Acetate	32.2300	50	7.0	500.000		6.45	76 - 138			MO
Ethyl Ether	655.370	50	17	500.000		131	74 - 128			L4
Ethyl tert-butyl ether	47.5600	5.0	0.85	50.0000		95.1	50 - 175			
Ethylbenzene	49.8400	5.0	0.43	50.0000		99.7	86 - 130			
Freon-113	64.6700	5.0	1.3	50.0000		129	66 - 132			
Hexachlorobutadiene	49.5600	5.0	0.40	50.0000		99.1	64 - 135			
Isopropylbenzene	45.4000	5.0	0.79	50.0000		90.8	80 - 133			
m,p-Xylene	98.7300	10	0.98	100.000		98.7	89 - 133			
Methylene chloride	51.4400	5.0	2.2	50.0000		103	72 - 143			
MTBE	49.3900	5.0	0.81	50.0000		98.8	73 - 136			
n-Butylbenzene	45.6600	5.0	1.2	50.0000		91.3	76 - 144			
n-Propylbenzene	45.5600	5.0	0.78	50.0000		91.1	81 - 136			
Naphthalene	40.3100	5.0	1.1	50.0000		80.6	64 - 128			
o-Xylene	49.2700	5.0	0.67	50.0000		98.5	82 - 134			
sec-Butylbenzene	44.5600	5.0	0.63	50.0000		89.1	81 - 138			
Styrene	48.5700	5.0	0.45	50.0000		97.1	79 - 152			
tert-Amyl methyl ether	49.9400	5.0	1.1	50.0000		99.9	48 - 166			
tert-Butanol	180.980	100	11	250.000		72.4	48 - 148			
tert-Butylbenzene	44.9400	5.0	0.80	50.0000		89.9	81 - 135			
Tetrachloroethene	50.9000	5.0	0.31	50.0000		102	75 - 127			
Toluene	50.0700	5.0	0.27	50.0000		100	88 - 130			
trans-1,2-Dichloroethene	70.0000	5.0	0.56	50.0000		140	79 - 127			L5
trans-1,3-Dichloropropene	48.8800	5.0	0.59	50.0000		97.8	80 - 130			
Trichloroethene	50.8500	5.0	0.32	50.0000		102	83 - 126			
Trichlorofluoromethane	68.4500	5.0	1.0	50.0000		137	62 - 143			
Vinyl acetate	36.8600	50	6.0	500.000		7.37	69 - 150			MO
Vinyl chloride	61.2000	5.0	0.92	50.0000		122	69 - 140			

Surrogate: 1,2-Dichloroethane-d4	59.12			50.0000		118	66 - 200			
Surrogate: 4-Bromofluorobenzene	50.83			50.0000		102	50 - 146			
Surrogate: Dibromofluoromethane	53.59			50.0000		107	77 - 159			
Surrogate: Toluene-d8	48.47			50.0000		96.9	81 - 128			

**LCS Dup (B2C1029-BSD1)**

Prepared: 3/9/2022 Analyzed: 3/9/2022





## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	Limit	Notes
<b>Batch B2C1029 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2C1029-BSD1) - Continued</b>					Prepared: 3/9/2022 Analyzed: 3/9/2022				
1,1,1,2-Tetrachloroethane	48.6900	5.0	0.52	50.0000		97.4	84 - 123	3.17	20
1,1,1-Trichloroethane	56.7200	5.0	0.26	50.0000		113	78 - 133	3.50	20
1,1,2,2-Tetrachloroethane	43.3100	5.0	0.21	50.0000		86.6	63 - 127	9.61	20
1,1,2-Trichloroethane	50.8500	5.0	0.40	50.0000		102	80 - 125	6.56	20
1,1-Dichloroethane	51.8200	5.0	1.4	50.0000		104	77 - 128	3.25	20
1,1-Dichloroethene	56.3300	5.0	1.9	50.0000		113	69 - 138	1.65	20
1,1-Dichloropropene	49.9300	5.0	0.54	50.0000		99.9	80 - 133	2.28	20
1,2,3-Trichloropropane	45.3800	5.0	0.40	50.0000		90.8	74 - 123	3.77	20
1,2,3-Trichlorobenzene	47.2500	5.0	0.83	50.0000		94.5	79 - 133	4.74	20
1,2,4-Trichlorobenzene	44.6900	5.0	0.80	50.0000		89.4	73 - 131	2.70	20
1,2,4-Trimethylbenzene	46.8000	5.0	0.91	50.0000		93.6	86 - 137	2.14	20
1,2-Dibromo-3-chloropropane	47.0200	10	1.1	50.0000		94.0	62 - 127	9.14	20
1,2-Dibromoethane	48.8000	5.0	0.40	50.0000		97.6	83 - 126	0.761	20
1,2-Dichlorobenzene	45.0000	5.0	0.21	50.0000		90.0	83 - 123	3.53	20
1,2-Dichloroethane	54.3200	5.0	0.50	50.0000		109	76 - 128	2.29	20
1,2-Dichloropropane	48.7900	5.0	0.46	50.0000		97.6	77 - 121	9.17	20
1,3,5-Trimethylbenzene	46.0300	5.0	0.70	50.0000		92.1	84 - 135	2.29	20
1,3-Dichlorobenzene	45.0800	5.0	0.36	50.0000		90.2	81 - 126	2.74	20
1,3-Dichloropropane	48.5200	5.0	0.49	50.0000		97.0	80 - 118	0.391	20
1,4-Dichlorobenzene	44.7200	5.0	0.27	50.0000		89.4	80 - 124	0.201	20
2,2-Dichloropropane	54.5800	5.0	0.28	50.0000		109	72 - 135	2.69	20
2-Chlorotoluene	44.7700	5.0	0.53	50.0000		89.5	81 - 127	3.27	20
4-Chlorotoluene	47.6400	5.0	0.40	50.0000		95.3	83 - 127	3.55	20
4-Isopropyltoluene	46.8200	5.0	0.81	50.0000		93.6	82 - 143	7.03	20
Benzene	50.8800	5.0	0.36	50.0000		102	84 - 123	1.80	20
Bromobenzene	47.0100	5.0	0.62	50.0000		94.0	80 - 122	4.84	20
Bromochloromethane	47.3900	5.0	0.30	50.0000		94.8	83 - 127	6.31	20
Bromodichloromethane	54.6600	5.0	0.52	50.0000		109	82 - 123	0.864	20
Bromoform	48.2000	5.0	1.4	50.0000		96.4	80 - 132	1.69	20
Bromomethane	76.6100	5.0	2.5	50.0000		153	67 - 176	4.02	20
Carbon disulfide	54.3200	5.0	0.94	50.0000		109	75 - 138	5.34	20
Carbon tetrachloride	57.5500	5.0	0.73	50.0000		115	76 - 131	6.33	20
Chlorobenzene	48.5700	5.0	0.42	50.0000		97.1	84 - 119	1.47	20
Chloroethane	65.8100	5.0	1.5	50.0000		132	56 - 170	1.94	20
Chloroform	55.9900	5.0	0.24	50.0000		112	78 - 129	1.75	20
Chloromethane	46.8600	5.0	1.1	50.0000		93.7	63 - 141	1.20	20
cis-1,2-Dichloroethene	39.3500	5.0	0.20	50.0000		78.7	83 - 125	4.40	20 L3
cis-1,3-Dichloropropene	43.4200	5.0	0.39	50.0000		86.8	76 - 129	1.51	20
Di-isopropyl ether	48.0000	5.0	1.9	50.0000		96.0	73 - 132	2.42	20
Dibromochloromethane	49.2800	5.0	0.81	50.0000		98.6	81 - 120	8.44	20
Dibromomethane	49.4600	5.0	0.23	50.0000		98.9	79 - 124	4.00	20
Dichlorodifluoromethane	48.6900	5.0	0.14	50.0000		97.4	18 - 199	6.50	20
Ethyl Acetate	18.4700	50	7.0	500.000		3.69	76 - 138	54.3	20 MO, R
Ethyl Ether	636.320	50	17	500.000		127	74 - 128	2.95	20
Ethyl tert-butyl ether	46.8800	5.0	0.85	50.0000		93.8	50 - 175	1.44	20



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1029 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C1029-BSD1) - Continued</b>					Prepared: 3/9/2022 Analyzed: 3/9/2022					
Ethylbenzene	51.1200	5.0	0.43	50.0000		102	86 - 130	2.54	20	
Freon-113	63.1200	5.0	1.3	50.0000		126	66 - 132	2.43	20	
Hexachlorobutadiene	48.1300	5.0	0.40	50.0000		96.3	64 - 135	2.93	20	
Isopropylbenzene	49.1600	5.0	0.79	50.0000		98.3	80 - 133	7.95	20	
m,p-Xylene	101.660	10	0.98	100.000		102	89 - 133	2.92	20	
Methylene chloride	50.7100	5.0	2.2	50.0000		101	72 - 143	1.43	20	
MTBE	46.6800	5.0	0.81	50.0000		93.4	73 - 136	5.64	20	
n-Butylbenzene	45.9400	5.0	1.2	50.0000		91.9	76 - 144	0.611	20	
n-Propylbenzene	45.2600	5.0	0.78	50.0000		90.5	81 - 136	0.661	20	
Naphthalene	42.4000	5.0	1.1	50.0000		84.8	64 - 128	5.05	20	
o-Xylene	51.0100	5.0	0.67	50.0000		102	82 - 134	3.47	20	
sec-Butylbenzene	46.2400	5.0	0.63	50.0000		92.5	81 - 138	3.70	20	
Styrene	47.9400	5.0	0.45	50.0000		95.9	79 - 152	1.31	20	
tert-Amyl methyl ether	48.5600	5.0	1.1	50.0000		97.1	48 - 166	2.80	20	
tert-Butanol	180.400	100	11	250.000		72.2	48 - 148	0.321	20	
tert-Butylbenzene	45.9000	5.0	0.80	50.0000		91.8	81 - 135	2.11	20	
Tetrachloroethene	49.1000	5.0	0.31	50.0000		98.2	75 - 127	3.60	20	
Toluene	51.4400	5.0	0.27	50.0000		103	88 - 130	2.70	20	
trans-1,2-Dichloroethene	70.2800	5.0	0.56	50.0000		141	79 - 127	0.399	20	L5
trans-1,3-Dichloropropene	47.3900	5.0	0.59	50.0000		94.8	80 - 130	3.10	20	
Trichloroethene	53.2000	5.0	0.32	50.0000		106	83 - 126	4.52	20	
Trichlorofluoromethane	70.5000	5.0	1.0	50.0000		141	62 - 143	2.95	20	
Vinyl acetate	26.1600	50	6.0	500.000		5.23	69 - 150	34.0	20	MO, R
Vinyl chloride	59.7600	5.0	0.92	50.0000		120	69 - 140	2.38	20	
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Surrogate: 1,2-Dichloroethane-d4	59.51			50.0000		119	66 - 200			
Surrogate: 4-Bromofluorobenzene	50.15			50.0000		100	50 - 146			
Surrogate: Dibromofluoromethane	55.45			50.0000		111	77 - 159			
Surrogate: Toluene-d8	48.91			50.0000		97.8	81 - 128			



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1057 - MSVOA\_S**

**Blank (B2C1057-BLK1)**

Prepared: 3/10/2022 Analyzed: 3/10/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1057 - MSVOA\_S (continued)**

**Blank (B2C1057-BLK1) - Continued**

Prepared: 3/10/2022 Analyzed: 3/10/2022

Ethylbenzene	ND	5.0	0.43
Freon-113	ND	5.0	1.3
Hexachlorobutadiene	ND	5.0	0.40
Isopropylbenzene	ND	5.0	0.79
m,p-Xylene	ND	10	0.98
Methylene chloride	ND	5.0	2.2
MTBE	ND	5.0	0.81
n-Butylbenzene	ND	5.0	1.2
n-Propylbenzene	ND	5.0	0.78
Naphthalene	ND	5.0	1.1
o-Xylene	ND	5.0	0.67
sec-Butylbenzene	ND	5.0	0.63
Styrene	ND	5.0	0.45
tert-Amyl methyl ether	ND	5.0	1.1
tert-Butanol	ND	100	11
tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	61.81		50.0000	124	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	46.80		50.0000	93.6	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	56.59		50.0000	113	77 - 159
<i>Surrogate: Toluene-d8</i>	46.40		50.0000	92.8	81 - 128

**Blank (B2C1057-BLK2)**

Prepared: 3/10/2022 Analyzed: 3/10/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52
1,1,1-Trichloroethane	ND	5.0	0.26
1,1,2,2-Tetrachloroethane	ND	5.0	0.21
1,1,2-Trichloroethane	ND	5.0	0.40
1,1-Dichloroethane	ND	5.0	1.4
1,1-Dichloroethene	ND	5.0	1.9
1,1-Dichloropropene	ND	5.0	0.54
1,2,3-Trichloropropane	ND	5.0	0.40
1,2,3-Trichlorobenzene	ND	5.0	0.83
1,2,4-Trichlorobenzene	ND	5.0	0.80
1,2,4-Trimethylbenzene	ND	5.0	0.91
1,2-Dibromo-3-chloropropane	ND	10	1.1
1,2-Dibromoethane	ND	5.0	0.40
1,2-Dichlorobenzene	ND	5.0	0.21
1,2-Dichloroethane	ND	5.0	0.50



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1057 - MSVOA\_S (continued)**

**Blank (B2C1057-BLK2) - Continued**

Prepared: 3/10/2022 Analyzed: 3/10/2022

1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						
Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1057 - MSVOA\_S (continued)**

**Blank (B2C1057-BLK2) - Continued**

Prepared: 3/10/2022 Analyzed: 3/10/2022

tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	58.67		50.0000	117	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	46.66		50.0000	93.3	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	49.40		50.0000	98.8	77 - 159
<i>Surrogate: Toluene-d8</i>	47.51		50.0000	95.0	81 - 128

**LCS (B2C1057-BS1)**

Prepared: 3/10/2022 Analyzed: 3/10/2022

1,1,1,2-Tetrachloroethane	50.1500	5.0	0.52	50.0000	100	84 - 123
1,1,1-Trichloroethane	54.1800	5.0	0.26	50.0000	108	78 - 133
1,1,2,2-Tetrachloroethane	44.8500	5.0	0.21	50.0000	89.7	63 - 127
1,1,2-Trichloroethane	47.2200	5.0	0.40	50.0000	94.4	80 - 125
1,1-Dichloroethane	49.8700	5.0	1.4	50.0000	99.7	77 - 128
1,1-Dichloroethene	57.8500	5.0	1.9	50.0000	116	69 - 138
1,1-Dichloropropene	49.9500	5.0	0.54	50.0000	99.9	80 - 133
1,2,3-Trichloropropane	46.3800	5.0	0.40	50.0000	92.8	74 - 123
1,2,3-Trichlorobenzene	47.8900	5.0	0.83	50.0000	95.8	79 - 133
1,2,4-Trichlorobenzene	45.2100	5.0	0.80	50.0000	90.4	73 - 131
1,2,4-Trimethylbenzene	47.7500	5.0	0.91	50.0000	95.5	86 - 137
1,2-Dibromo-3-chloropropane	51.3200	10	1.1	50.0000	103	62 - 127
1,2-Dibromoethane	49.5800	5.0	0.40	50.0000	99.2	83 - 126
1,2-Dichlorobenzene	45.2400	5.0	0.21	50.0000	90.5	83 - 123
1,2-Dichloroethane	55.6700	5.0	0.50	50.0000	111	76 - 128
1,2-Dichloropropane	45.1700	5.0	0.46	50.0000	90.3	77 - 121
1,3,5-Trimethylbenzene	47.3500	5.0	0.70	50.0000	94.7	84 - 135
1,3-Dichlorobenzene	47.1000	5.0	0.36	50.0000	94.2	81 - 126
1,3-Dichloropropane	46.3400	5.0	0.49	50.0000	92.7	80 - 118
1,4-Dichlorobenzene	47.2600	5.0	0.27	50.0000	94.5	80 - 124
2,2-Dichloropropane	53.5400	5.0	0.28	50.0000	107	72 - 135
2-Chlorotoluene	47.8000	5.0	0.53	50.0000	95.6	81 - 127
4-Chlorotoluene	48.6600	5.0	0.40	50.0000	97.3	83 - 127
4-Isopropyltoluene	47.7700	5.0	0.81	50.0000	95.5	82 - 143
Benzene	49.2700	5.0	0.36	50.0000	98.5	84 - 123
Bromobenzene	50.2000	5.0	0.62	50.0000	100	80 - 122
Bromochloromethane	51.2700	5.0	0.30	50.0000	103	83 - 127
Bromodichloromethane	54.9600	5.0	0.52	50.0000	110	82 - 123
Bromoform	46.2000	5.0	1.4	50.0000	92.4	80 - 132
Bromomethane	82.0700	5.0	2.5	50.0000	164	67 - 176



## Certificate of Analysis

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Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1057 - MSVOA\_S (continued)**

**LCS (B2C1057-BS1) - Continued**

Prepared: 3/10/2022 Analyzed: 3/10/2022

Carbon disulfide	53.7000	5.0	0.94	50.0000		107	75 - 138			
Carbon tetrachloride	50.8500	5.0	0.73	50.0000		102	76 - 131			
Chlorobenzene	48.2500	5.0	0.42	50.0000		96.5	84 - 119			
Chloroethane	62.7500	5.0	1.5	50.0000		126	56 - 170			
Chloroform	56.0700	5.0	0.24	50.0000		112	78 - 129			
Chloromethane	44.6600	5.0	1.1	50.0000		89.3	63 - 141			
cis-1,2-Dichloroethene	37.1300	5.0	0.20	50.0000		74.3	83 - 125			L3
cis-1,3-Dichloropropene	42.0900	5.0	0.39	50.0000		84.2	76 - 129			
Di-isopropyl ether	46.0600	5.0	1.9	50.0000		92.1	73 - 132			
Dibromochloromethane	44.1400	5.0	0.81	50.0000		88.3	81 - 120			
Dibromomethane	47.4900	5.0	0.23	50.0000		95.0	79 - 124			
Dichlorodifluoromethane	47.5700	5.0	0.14	50.0000		95.1	18 - 199			
Ethyl Acetate	25.3700	50	7.0	500.000		5.07	76 - 138			MO
Ethyl Ether	608.890	50	17	500.000		122	74 - 128			
Ethyl tert-butyl ether	45.8200	5.0	0.85	50.0000		91.6	50 - 175			
Ethylbenzene	49.6900	5.0	0.43	50.0000		99.4	86 - 130			
Freon-113	66.7800	5.0	1.3	50.0000		134	66 - 132			L4
Hexachlorobutadiene	49.2400	5.0	0.40	50.0000		98.5	64 - 135			
Isopropylbenzene	49.1000	5.0	0.79	50.0000		98.2	80 - 133			
m,p-Xylene	97.1600	10	0.98	100.000		97.2	89 - 133			
Methylene chloride	47.0100	5.0	2.2	50.0000		94.0	72 - 143			
MTBE	45.7000	5.0	0.81	50.0000		91.4	73 - 136			
n-Butylbenzene	49.0800	5.0	1.2	50.0000		98.2	76 - 144			
n-Propylbenzene	47.5200	5.0	0.78	50.0000		95.0	81 - 136			
Naphthalene	42.9200	5.0	1.1	50.0000		85.8	64 - 128			
o-Xylene	49.0500	5.0	0.67	50.0000		98.1	82 - 134			
sec-Butylbenzene	47.3100	5.0	0.63	50.0000		94.6	81 - 138			
Styrene	44.4400	5.0	0.45	50.0000		88.9	79 - 152			
tert-Amyl methyl ether	47.6900	5.0	1.1	50.0000		95.4	48 - 166			
tert-Butanol	169.640	100	11	250.000		67.9	48 - 148			
tert-Butylbenzene	46.7100	5.0	0.80	50.0000		93.4	81 - 135			
Tetrachloroethene	46.8400	5.0	0.31	50.0000		93.7	75 - 127			
Toluene	49.6400	5.0	0.27	50.0000		99.3	88 - 130			
trans-1,2-Dichloroethene	68.9300	5.0	0.56	50.0000		138	79 - 127			L5
trans-1,3-Dichloropropene	46.1200	5.0	0.59	50.0000		92.2	80 - 130			
Trichloroethene	47.7500	5.0	0.32	50.0000		95.5	83 - 126			
Trichlorofluoromethane	66.5600	5.0	1.0	50.0000		133	62 - 143			
Vinyl acetate	30.3200	50	6.0	500.000		6.06	69 - 150			MO
Vinyl chloride	57.1800	5.0	0.92	50.0000		114	69 - 140			

Surrogate: 1,2-Dichloroethane-d4	56.99			50.0000		114	66 - 200			
Surrogate: 4-Bromofluorobenzene	48.14			50.0000		96.3	50 - 146			
Surrogate: Dibromofluoromethane	51.27			50.0000		103	77 - 159			
Surrogate: Toluene-d8	47.62			50.0000		95.2	81 - 128			

**LCS Dup (B2C1057-BSD1)**

Prepared: 3/10/2022 Analyzed: 3/10/2022



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	Limit	Notes
<b>Batch B2C1057 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2C1057-BSD1) - Continued</b>					Prepared: 3/10/2022 Analyzed: 3/10/2022				
1,1,1,2-Tetrachloroethane	47.4800	5.0	0.52	50.0000		95.0	84 - 123	5.47	20
1,1,1-Trichloroethane	52.9900	5.0	0.26	50.0000		106	78 - 133	2.22	20
1,1,2,2-Tetrachloroethane	46.3100	5.0	0.21	50.0000		92.6	63 - 127	3.20	20
1,1,2-Trichloroethane	51.0300	5.0	0.40	50.0000		102	80 - 125	7.76	20
1,1-Dichloroethane	50.4900	5.0	1.4	50.0000		101	77 - 128	1.24	20
1,1-Dichloroethene	54.4700	5.0	1.9	50.0000		109	69 - 138	6.02	20
1,1-Dichloropropene	47.4400	5.0	0.54	50.0000		94.9	80 - 133	5.15	20
1,2,3-Trichloropropane	47.8700	5.0	0.40	50.0000		95.7	74 - 123	3.16	20
1,2,3-Trichlorobenzene	48.9400	5.0	0.83	50.0000		97.9	79 - 133	2.17	20
1,2,4-Trichlorobenzene	45.4500	5.0	0.80	50.0000		90.9	73 - 131	0.529	20
1,2,4-Trimethylbenzene	47.7400	5.0	0.91	50.0000		95.5	86 - 137	0.0209	20
1,2-Dibromo-3-chloropropane	44.6900	10	1.1	50.0000		89.4	62 - 127	13.8	20
1,2-Dibromoethane	49.8600	5.0	0.40	50.0000		99.7	83 - 126	0.563	20
1,2-Dichlorobenzene	45.5800	5.0	0.21	50.0000		91.2	83 - 123	0.749	20
1,2-Dichloroethane	57.6800	5.0	0.50	50.0000		115	76 - 128	3.55	20
1,2-Dichloropropane	49.6700	5.0	0.46	50.0000		99.3	77 - 121	9.49	20
1,3,5-Trimethylbenzene	47.2400	5.0	0.70	50.0000		94.5	84 - 135	0.233	20
1,3-Dichlorobenzene	45.7600	5.0	0.36	50.0000		91.5	81 - 126	2.89	20
1,3-Dichloropropane	45.4700	5.0	0.49	50.0000		90.9	80 - 118	1.90	20
1,4-Dichlorobenzene	46.8000	5.0	0.27	50.0000		93.6	80 - 124	0.978	20
2,2-Dichloropropane	51.7100	5.0	0.28	50.0000		103	72 - 135	3.48	20
2-Chlorotoluene	48.5100	5.0	0.53	50.0000		97.0	81 - 127	1.47	20
4-Chlorotoluene	49.6400	5.0	0.40	50.0000		99.3	83 - 127	1.99	20
4-Isopropyltoluene	46.1600	5.0	0.81	50.0000		92.3	82 - 143	3.43	20
Benzene	49.9500	5.0	0.36	50.0000		99.9	84 - 123	1.37	20
Bromobenzene	48.9400	5.0	0.62	50.0000		97.9	80 - 122	2.54	20
Bromochloromethane	48.3100	5.0	0.30	50.0000		96.6	83 - 127	5.94	20
Bromodichloromethane	56.7600	5.0	0.52	50.0000		114	82 - 123	3.22	20
Bromoform	45.4500	5.0	1.4	50.0000		90.9	80 - 132	1.64	20
Bromomethane	75.0900	5.0	2.5	50.0000		150	67 - 176	8.88	20
Carbon disulfide	53.4600	5.0	0.94	50.0000		107	75 - 138	0.448	20
Carbon tetrachloride	53.3800	5.0	0.73	50.0000		107	76 - 131	4.85	20
Chlorobenzene	44.9400	5.0	0.42	50.0000		89.9	84 - 119	7.10	20
Chloroethane	60.1500	5.0	1.5	50.0000		120	56 - 170	4.23	20
Chloroform	55.1700	5.0	0.24	50.0000		110	78 - 129	1.62	20
Chloromethane	43.7300	5.0	1.1	50.0000		87.5	63 - 141	2.10	20
cis-1,2-Dichloroethene	39.2700	5.0	0.20	50.0000		78.5	83 - 125	5.60	20 L3
cis-1,3-Dichloropropene	42.9100	5.0	0.39	50.0000		85.8	76 - 129	1.93	20
Di-isopropyl ether	47.3800	5.0	1.9	50.0000		94.8	73 - 132	2.83	20
Dibromochloromethane	44.7700	5.0	0.81	50.0000		89.5	81 - 120	1.42	20
Dibromomethane	49.4000	5.0	0.23	50.0000		98.8	79 - 124	3.94	20
Dichlorodifluoromethane	46.6400	5.0	0.14	50.0000		93.3	18 - 199	1.97	20
Ethyl Acetate	15.5300	50	7.0	500.000		3.11	76 - 138	48.1	20 MO, R
Ethyl Ether	609.970	50	17	500.000		122	74 - 128	0.177	20
Ethyl tert-butyl ether	45.7300	5.0	0.85	50.0000		91.5	50 - 175	0.197	20





## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	Limit	Notes
<b>Batch B2C1057 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2C1057-BSD1) - Continued</b>					Prepared: 3/10/2022 Analyzed: 3/10/2022				
Ethylbenzene	48.5200	5.0	0.43	50.0000		97.0	86 - 130	2.38	20
Freon-113	61.7000	5.0	1.3	50.0000		123	66 - 132	7.91	20
Hexachlorobutadiene	49.8100	5.0	0.40	50.0000		99.6	64 - 135	1.15	20
Isopropylbenzene	48.3300	5.0	0.79	50.0000		96.7	80 - 133	1.58	20
m,p-Xylene	95.4100	10	0.98	100.000		95.4	89 - 133	1.82	20
Methylene chloride	48.0600	5.0	2.2	50.0000		96.1	72 - 143	2.21	20
MTBE	47.0600	5.0	0.81	50.0000		94.1	73 - 136	2.93	20
n-Butylbenzene	47.0900	5.0	1.2	50.0000		94.2	76 - 144	4.14	20
n-Propylbenzene	47.8300	5.0	0.78	50.0000		95.7	81 - 136	0.650	20
Naphthalene	42.8400	5.0	1.1	50.0000		85.7	64 - 128	0.187	20
o-Xylene	46.6800	5.0	0.67	50.0000		93.4	82 - 134	4.95	20
sec-Butylbenzene	47.3500	5.0	0.63	50.0000		94.7	81 - 138	0.0845	20
Styrene	45.0900	5.0	0.45	50.0000		90.2	79 - 152	1.45	20
tert-Amyl methyl ether	46.3300	5.0	1.1	50.0000		92.7	48 - 166	2.89	20
tert-Butanol	171.310	100	11	250.000		68.5	48 - 148	0.980	20
tert-Butylbenzene	45.1800	5.0	0.80	50.0000		90.4	81 - 135	3.33	20
Tetrachloroethene	45.1500	5.0	0.31	50.0000		90.3	75 - 127	3.67	20
Toluene	51.1700	5.0	0.27	50.0000		102	88 - 130	3.04	20
trans-1,2-Dichloroethene	67.4100	5.0	0.56	50.0000		135	79 - 127	2.23	20 L4
trans-1,3-Dichloropropene	48.4800	5.0	0.59	50.0000		97.0	80 - 130	4.99	20
Trichloroethene	51.4300	5.0	0.32	50.0000		103	83 - 126	7.42	20
Trichlorofluoromethane	61.6200	5.0	1.0	50.0000		123	62 - 143	7.71	20
Vinyl acetate	27.1100	50	6.0	500.000		5.42	69 - 150	11.2	20 MO
Vinyl chloride	57.4600	5.0	0.92	50.0000		115	69 - 140	0.488	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>62.36</i>			<i>50.0000</i>		<i>125</i>	<i>66 - 200</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.96</i>			<i>50.0000</i>		<i>97.9</i>	<i>50 - 146</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>55.34</i>			<i>50.0000</i>		<i>111</i>	<i>77 - 159</i>		
<i>Surrogate: Toluene-d8</i>	<i>51.36</i>			<i>50.0000</i>		<i>103</i>	<i>81 - 128</i>		

2200288

24°C

<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070 TEL: (949) 679-1070 E-MAIL: vprobino@gsi-net.com / cvoss@gsi-net.com LABORATORY: Advanced Technology Laboratories		<b>PROJECT NAME:</b> Ontario Airport <b>PROJECT NO.:</b> 5925 <b>LAB CONTACT:</b> Victoria Michel <b>SAMPLER(S): (PRINT)</b> JCV, JHN																																																																																																																																																																																																																																																																				
<b>GLOBAL ID:</b> vprobino@gsi-net.com / cvoss@gsi-net.com <b>PROJECT CONTACT:</b> Vinnie Robino / Josh Voss		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.																																																																																																																																																																																																																																																																				
<b>TURNAROUND TIME:</b> <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD		<table border="1"> <thead> <tr> <th rowspan="2">LAB USE ONLY</th> <th rowspan="2">SAMPLE ID</th> <th colspan="2">SAMPLING</th> <th rowspan="2">MATRIX</th> <th rowspan="2">NO. OF CONT.</th> <th colspan="2">Preservation</th> <th rowspan="2">T22 6010B/7471A</th> <th rowspan="2">VOCs 8260B</th> <th rowspan="2">GRO 8015</th> <th rowspan="2">DRO/ORO 8015</th> <th rowspan="2">SVOCs 8270C</th> <th rowspan="2">PAHs 8270 SIM</th> <th rowspan="2">PCBs 8082</th> <th rowspan="2">OCs 8081A</th> <th rowspan="2">Herbicides 8051</th> </tr> <tr> <th>DATE</th> <th>TIME</th> <th>Unpreserved</th> <th>Field Filtered</th> </tr> </thead> <tbody> <tr><td>1</td><td>SV-12-1</td><td>3/3/22</td><td>0755</td><td>soil</td><td>1</td><td>1</td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td></tr> <tr><td>2</td><td>SV-12-5.5</td><td>3/3/22</td><td>0805</td><td>soil</td><td>5</td><td>1</td><td>4</td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td>X</td><td></td></tr> <tr><td>3</td><td>SV-12-15</td><td>3/3/22</td><td>0820</td><td>soil</td><td>5</td><td>1</td><td>4</td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td>X</td><td></td></tr> <tr><td>4</td><td>SV-11-1</td><td></td><td>0900</td><td></td><td>1</td><td>1</td><td>4</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td>SV-11-5.5</td><td></td><td>0910</td><td></td><td>5</td><td>1</td><td>4</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td>SV-11-16.5</td><td></td><td>0930</td><td></td><td>5</td><td>1</td><td>4</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td>SV-13-1</td><td></td><td>1055</td><td></td><td>1</td><td>1</td><td>4</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td>SV-13-5.5</td><td></td><td>1110</td><td></td><td>5</td><td>1</td><td>4</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td>SV-13-15</td><td></td><td>1115</td><td></td><td>5</td><td>1</td><td>4</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td>08-2-3-1</td><td></td><td>1225</td><td></td><td>1</td><td>1</td><td>4</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td>08-2-3-5.5</td><td></td><td>1250</td><td></td><td>5</td><td>1</td><td>4</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>12</td><td>08-20-1-1</td><td></td><td>1410</td><td></td><td>1</td><td>1</td><td>4</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>13</td><td>08-20-1-5.5</td><td></td><td>1420</td><td></td><td>5</td><td>1</td><td>4</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>14</td><td>TB-20220303</td><td>3/3/22</td><td>1440</td><td>water</td><td>4</td><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Preservation		T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCs 8081A	Herbicides 8051	DATE	TIME	Unpreserved	Field Filtered	1	SV-12-1	3/3/22	0755	soil	1	1		X							X		2	SV-12-5.5	3/3/22	0805	soil	5	1	4		X	X					X		3	SV-12-15	3/3/22	0820	soil	5	1	4		X	X					X		4	SV-11-1		0900		1	1	4	X	X	X							5	SV-11-5.5		0910		5	1	4	X	X	X							6	SV-11-16.5		0930		5	1	4	X	X	X							7	SV-13-1		1055		1	1	4	X	X	X							8	SV-13-5.5		1110		5	1	4	X	X	X							9	SV-13-15		1115		5	1	4	X	X	X							10	08-2-3-1		1225		1	1	4	X	X	X							11	08-2-3-5.5		1250		5	1	4	X	X	X							12	08-20-1-1		1410		1	1	4	X	X	X							13	08-20-1-5.5		1420		5	1	4	X	X	X							14	TB-20220303	3/3/22	1440	water	4		4									
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2	SV-12-5.5	3/3/22	0805	soil	5	1	4		X	X					X																																																																																																																																																																																																																																																							
3	SV-12-15	3/3/22	0820	soil	5	1	4		X	X					X																																																																																																																																																																																																																																																							
4	SV-11-1		0900		1	1	4	X	X	X																																																																																																																																																																																																																																																												
5	SV-11-5.5		0910		5	1	4	X	X	X																																																																																																																																																																																																																																																												
6	SV-11-16.5		0930		5	1	4	X	X	X																																																																																																																																																																																																																																																												
7	SV-13-1		1055		1	1	4	X	X	X																																																																																																																																																																																																																																																												
8	SV-13-5.5		1110		5	1	4	X	X	X																																																																																																																																																																																																																																																												
9	SV-13-15		1115		5	1	4	X	X	X																																																																																																																																																																																																																																																												
10	08-2-3-1		1225		1	1	4	X	X	X																																																																																																																																																																																																																																																												
11	08-2-3-5.5		1250		5	1	4	X	X	X																																																																																																																																																																																																																																																												
12	08-20-1-1		1410		1	1	4	X	X	X																																																																																																																																																																																																																																																												
13	08-20-1-5.5		1420		5	1	4	X	X	X																																																																																																																																																																																																																																																												
14	TB-20220303	3/3/22	1440	water	4		4																																																																																																																																																																																																																																																															
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Date: March 14, 2022

Mr. Jerald Ancheta  
Advanced Technology Laboratories  
3275 Walnut Avenue  
Signal Hill, CA 90755  
Tel: (562) 989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

Project: **Work Order 2200288**  
Lab I.D.: **220307-9, -10**

Dear Mr. Ancheta:

The **analytical results** for the soil samples, received by our lab on March 7, 2022, are attached. The samples were received chilled, intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,



Curtis Desilets  
Vice President



Pearl Wong  
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDS File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

**Enviro - Chem, Inc.**

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

**LABORATORY REPORT**

CUSTOMER: **Advanced Technology Laboratories**  
3275 Walnut Avenue, Signal Hill, CA 90755  
Tel: (562) 989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

PROJECT: **Work Order: 2200288**

MATRIX: **SOIL**

DATE SAMPLED: 03/03/22

REPORT TO: MR. JERALD ANCHETA

DATE RECEIVED: 03/07/22

DATE EXTRACTED: 03/09-10/22

DATE ANALYZED: 03/10/22

DATE REPORTED: 03/14/22

SAMPLE I.D.: **ATL Lab#: 2200288-01 / SV-12-1**

LAB I.D.: 220307-9

**Chlorinated Herbicides Analysis**

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

**COMMENTS:**

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

**Enviro - Chem, Inc.**

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

**LABORATORY REPORT**

CUSTOMER: **Advanced Technology Laboratories**  
3275 Walnut Avenue, Signal Hill, CA 90755  
Tel: (562) 989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

PROJECT: **Work Order: 2200288**

MATRIX: **SOIL**

DATE SAMPLED: **03/03/22**

REPORT TO: **MR. JERALD ANCHETA**

DATE RECEIVED: **03/07/22**

DATE EXTRACTED: **03/09-10/22**

DATE ANALYZED: **03/10/22**

DATE REPORTED: **03/14/22**

SAMPLE I.D.: **ATL Lab#: 2200288-07 / SV-13-1**

LAB I.D.: **220307-10**

**Chlorinated Herbicides Analysis**

Method: **EPA 8151A**

Unit: **mg/Kg = Milligram Per Kilogram = PPM**

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

**COMMENTS:**

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

**METHOD BLANK REPORT**

CUSTOMER: **Advanced Technology Laboratories**  
 3275 Walnut Avenue, Signal Hill, CA 90755  
 Tel: (562) 989-4045 E-Mail: [Jerald.Ancheta@ATLGlobal.com](mailto:Jerald.Ancheta@ATLGlobal.com)

PROJECT: **Work Order: 2200288**

MATRIX: SOIL

DATE SAMPLED: 03/03/22

REPORT TO: MR. JERALD ANCHETA

DATE RECEIVED: 03/07/22

DATE EXTRACTED: 03/09-10/22

DATE ANALYZED: 03/10/22

DATE REPORTED: 03/14/22

METHOD BLANK FOR LAB I.D.: 220307-9, -10

**Chlorinated Herbicides Analysis**

Method: EPA 8151A

Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

**COMMENTS:**

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:  \_\_\_\_\_

CAL-DHS ELAP CERTIFICATE No.: 1555

## QA/QC Report Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid**  
 Unit: **mg/Kg (PPM)**

Date Analyzed: **3/10~11/2022**

**Matrix Spike (MS)/Matrix Spike Duplicate (MSD)**

**Spiked Sample Lab I.D.: 220307-10 MS/MSD**

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.050	0.050	100%	0.057	114%	13%	0-20%	50-150

**Lab Control Spike (LCS) Recovery:**

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.050	0.043	86%	70-130
2,4,5-TP	0.050	0.052	105%	70-130
Dinoseb	0.250	0.260	104%	70-130

**Surrogate Recovery:**

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
<b>Sample ID:</b>		M-BLK	220307-9	220307-10	220308-28				
DCAA	50-150	104%	98%	103%	124%				
<b>Sample ID:</b>									
DCAA	50-150								
<b>Sample ID:</b>									
DCAA	50-150								

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

\* = Surrogate fail due to matrix interference (if Marked)

Note: LCS, MS, MSD are in control therefore results are in control.

Analyzed and Reviewed By: 

Final Reviewer: 

**SUBCONTRACT ORDER**

**Work Order: 2200288**

**SENDING LABORATORY:**

Advanced Technology Laboratories  
 3275 Walnut Avenue  
 Signal Hill, CA 90755  
 Phone: 562.989.4045  
 Fax: 562.989.6348  
 Project Manager: Jerald Ancheta  
 (Jerald.Ancheta@atlglobal.com)  
 Sampler: Client Sampler

**RECEIVING LABORATORY:**

Enviro-Chem, Inc.  
 1214 East Lexington Avenue  
 Pomona, CA 91766  
 Phone : (909) 590-5905  
 Fax:  
 PO#: SC16069

**IMPORTANT : Please 'J-Flag' results to MDL. Please include Work Order # and PO # in your invoice.**

**QC Requirements:**

- Routine       MS/MSD
- Caltrans       Level IV\*
- DUP             Other: \_\_\_\_\_

**TAT Requirements:**

- Standard
- Rush \_\_\_\_\_ Days
- Fastest Possible

**EDD Requirements:**

- Standard Excel
- Geotracker EDF
- EQuis
- Other: \_\_\_\_\_

\* All Level IV sample containers (including empty ones) must be returned to ATL 30 days after receipt.

Analysis	Expires	Sampled	Comments
ATL Lab#: 2200288-01 / SV-12-1 8151_SUB [Chlorinated Herbicides]	Soil 03/17/22 07:55	03/03/22 07:55 Glass Jar - 2 oz	<i>220 307-9</i>
ATL Lab#: 2200288-07 / SV-13-1 8151_SUB [Chlorinated Herbicides]	Soil 03/17/22 10:55	03/03/22 10:55 Glass Jar - 2 oz	<i>↓ -10 202 Jar</i>

Prepared by: *[Signature]*      *3/4/22*  
 Sample Control Technician      Date

Inspected by: *[Signature]*      *3/4/22*  
 PM Lead / SC Lead      Date

Approved by: *[Signature]*      *03/04/2022*  
 Dedicated ATL Project Manager      Date

*[Signature]*      *3/7/22 10:25*

Released By ATL Sample Control      Date      Time

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Released By Courier      Date      Time

*[Signature]*      *03/01/22*      *1350*

Released By      Date      Time

Received By Courier      Date      Time

*[Signature]*      *03/07/22*      *1015*

Received By Subcontract Laboratory      Date      Time

*[Signature]*      *3/7/22*      *1350*

Received By      Date      Time



May 12, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

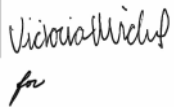
Re: ATL Work Order Number : 2200301

Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 04, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 05/12/22 15:39 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-1-1-1	2200301-01	Soil	3/04/22 8:10	3/04/22 19:07
61W-1-1-6	2200301-02	Soil	3/04/22 8:45	3/04/22 19:07
61W-1-2-1	2200301-03	Soil	3/04/22 9:10	3/04/22 19:07
61W-1-2-6	2200301-04	Soil	3/04/22 9:25	3/04/22 19:07
61W-1-2-15	2200301-05	Soil	3/04/22 9:30	3/04/22 19:07
61W-1-3-1	2200301-06	Soil	3/04/22 10:10	3/04/22 19:07
61W-1-3-6	2200301-07	Soil	3/04/22 10:30	3/04/22 19:07
61W-1-4-1	2200301-08	Soil	3/04/22 10:45	3/04/22 19:07
61W-1-4-6	2200301-09	Soil	3/04/22 11:00	3/04/22 19:07
61W-1-5-1	2200301-10	Soil	3/04/22 11:25	3/04/22 19:07
61W-1-5-6	2200301-11	Soil	3/04/22 11:40	3/04/22 19:07
61W-1-8-1	2200301-12	Soil	3/04/22 12:10	3/04/22 19:07
61W-1-8-6	2200301-13	Soil	3/04/22 12:20	3/04/22 19:07
61W-1-7-1	2200301-14	Soil	3/04/22 13:20	3/04/22 19:07
61W-1-7-5.5	2200301-15	Soil	3/04/22 13:30	3/04/22 19:07
61W-1-7-13	2200301-16	Soil	3/04/22 13:50	3/04/22 19:07
TB-20220304	2200301-17	Water	3/04/22 14:00	3/04/22 19:07



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Notes and Definitions

S10	Surrogate recovery was outside of laboratory acceptance limit due to possible matrix interference.
S1	Surrogate recovery was above laboratory acceptance limit. No associated target analyte was detected in the sample.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
B6	Associated method blank above PQL, analyte non-detected. Therefore, reanalysis is not necessary.
B	Analyte detected in the associated method blank above the PQL.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

- Notes:
- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
  - (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
  - (3) Results are wet unless otherwise specified.



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Mercury by AA (Cold Vapor) EPA 7471A

**Analyte: Mercury**

**Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200301-01	61W-1-1-1	ND	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22	16:10	
2200301-03	61W-1-2-1	ND	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22	16:14	
2200301-06	61W-1-3-1	ND	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22	16:24	
2200301-08	61W-1-4-1	ND	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22	16:27	
2200301-10	61W-1-5-1	ND	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22	16:31	
2200301-12	61W-1-8-1	ND	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22	16:34	
2200301-14	61W-1-7-1	ND	mg/kg	0.10	1	B2C0976	03/07/2022	03/08/22	16:37	

**Client Sample ID: 61W-1-1-1**

**Lab ID: 2200301-01**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time		Notes
						Analized		
Antimony	ND	2.0	1	B2C0975	03/07/2022	03/07/22	16:39	
Arsenic	ND	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
<b>Barium</b>	<b>70</b>	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
<b>Beryllium</b>	<b>1.6</b>	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
Cadmium	ND	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
<b>Chromium</b>	<b>11</b>	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
<b>Cobalt</b>	<b>4.1</b>	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
<b>Copper</b>	<b>7.9</b>	2.0	1	B2C0975	03/07/2022	03/07/22	16:39	
<b>Lead</b>	<b>4.0</b>	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
Molybdenum	ND	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
<b>Nickel</b>	<b>4.6</b>	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
Selenium	ND	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
<b>Silver</b>	<b>2.8</b>	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
Thallium	ND	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
<b>Vanadium</b>	<b>23</b>	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C0975	03/07/2022	03/07/22	16:39	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-1-6**

**Lab ID: 2200301-02**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/07/22 23:39	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/07/22 23:39	
<i>Surrogate: p-Terphenyl</i>	<i>134 %</i>	<i>62 - 141</i>		B2C0986	03/07/2022	<i>03/07/22 23:39</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1,1-Trichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1,2-Trichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1-Dichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,1-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2,3-Trichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2-Dibromoethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2-Dichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,2-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,3-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,3-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
1,4-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
2,2-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
2-Chlorotoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
4-Chlorotoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
4-Isopropyltoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Benzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Bromobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Bromochloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Bromodichloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Bromoform	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Bromomethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Carbon disulfide	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-1-6**  
**Lab ID: 2200301-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Chlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Chloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Chloroform	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Chloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Di-isopropyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Dibromochloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Dibromomethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Dichlorodifluoromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Ethyl Acetate	ND	44	1	B2C1079	03/11/2022	03/11/22 12:26	
Ethyl Ether	ND	44	1	B2C1079	03/11/2022	03/11/22 12:26	
Ethyl tert-butyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Ethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Freon-113	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Hexachlorobutadiene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Isopropylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
m,p-Xylene	ND	8.8	1	B2C1079	03/11/2022	03/11/22 12:26	
Methylene chloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
MTBE	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
n-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
n-Propylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Naphthalene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
o-Xylene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
sec-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Styrene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
tert-Amyl methyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
tert-Butanol	ND	88	1	B2C1079	03/11/2022	03/11/22 12:26	
tert-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Tetrachloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Toluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Trichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Trichlorofluoromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	
Vinyl acetate	ND	44	1	B2C1079	03/11/2022	03/11/22 12:26	
Vinyl chloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 12:26	

Surrogate: 1,2-Dichloroethane-d4      115 %      66 - 200      B2C1079      03/11/2022      03/11/22 12:26  
 Surrogate: 4-Bromofluorobenzene      99.0 %      50 - 146      B2C1079      03/11/2022      03/11/22 12:26



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-1-6**  
**Lab ID: 2200301-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	108 %	77 - 159		B2C1079	03/11/2022	03/11/22 12:26	
Surrogate: Toluene-d8	97.5 %	81 - 128		B2C1079	03/11/2022	03/11/22 12:26	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1113	03/13/2022	03/13/22 05:43	
Surrogate: 4-Bromofluorobenzene	87.1 %	47.6 - 121.18		B2C1113	03/13/2022	03/13/22 05:43	

**Client Sample ID: 61W-1-2-1**  
**Lab ID: 2200301-03**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Arsenic	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
<b>Barium</b>	<b>72</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
<b>Beryllium</b>	<b>1.5</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Cadmium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
<b>Chromium</b>	<b>11</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
<b>Cobalt</b>	<b>4.1</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
<b>Copper</b>	<b>8.0</b>	2.0	1	B2C0975	03/07/2022	03/07/22 16:41	
<b>Lead</b>	<b>3.5</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Molybdenum	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
<b>Nickel</b>	<b>4.5</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Selenium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
<b>Silver</b>	<b>2.7</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
Thallium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
<b>Vanadium</b>	<b>22</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	
<b>Zinc</b>	<b>31</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:41	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-1-2-6**

**Lab ID: 2200301-04**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 00:01	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 00:01	
<i>Surrogate: p-Terphenyl</i>	<i>162 %</i>	<i>62 - 141</i>		B2C0986	03/07/2022	<i>03/08/22 00:01</i>	S1

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1,1-Trichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1,2-Trichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1-Dichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,1-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2,3-Trichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2-Dibromo-3-chloropropane	ND	9.7	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2-Dibromoethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2-Dichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,2-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,3-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,3-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
1,4-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
2,2-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
2-Chlorotoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
4-Chlorotoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
4-Isopropyltoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Benzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Bromobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Bromochloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Bromodichloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Bromoform	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Bromomethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Carbon disulfide	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-2-6**  
**Lab ID: 2200301-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Chlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Chloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Chloroform	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Chloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Di-isopropyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Dibromochloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Dibromomethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Dichlorodifluoromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Ethyl Acetate	ND	49	1	B2C1079	03/11/2022	03/11/22 12:50	
Ethyl Ether	ND	49	1	B2C1079	03/11/2022	03/11/22 12:50	
Ethyl tert-butyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Ethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Freon-113	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Hexachlorobutadiene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Isopropylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
m,p-Xylene	ND	9.7	1	B2C1079	03/11/2022	03/11/22 12:50	
Methylene chloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
MTBE	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
n-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
n-Propylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Naphthalene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
o-Xylene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
sec-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Styrene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
tert-Amyl methyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
tert-Butanol	ND	97	1	B2C1079	03/11/2022	03/11/22 12:50	
tert-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Tetrachloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Toluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Trichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Trichlorofluoromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	
Vinyl acetate	ND	49	1	B2C1079	03/11/2022	03/11/22 12:50	
Vinyl chloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 12:50	

Surrogate: 1,2-Dichloroethane-d4      115 %      66 - 200      B2C1079      03/11/2022      03/11/22 12:50  
 Surrogate: 4-Bromofluorobenzene      104 %      50 - 146      B2C1079      03/11/2022      03/11/22 12:50



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-2-6**  
**Lab ID: 2200301-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	110 %	77 - 159		B2C1079	03/11/2022	03/11/22 12:50	
<i>Surrogate: Toluene-d8</i>	102 %	81 - 128		B2C1079	03/11/2022	03/11/22 12:50	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.2	1	B2C1113	03/13/2022	03/13/22 06:07	
<i>Surrogate: 4-Bromofluorobenzene</i>	89.7 %	47.6 - 121.18		B2C1113	03/13/2022	03/13/22 06:07	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-1-2-15**

**Lab ID: 2200301-05**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 00:22	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 00:22	
<i>Surrogate: p-Terphenyl</i>	<i>162 %</i>	<i>62 - 141</i>		B2C0986	03/07/2022	<i>03/08/22 00:22</i>	S1

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1,1-Trichloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1,2-Trichloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1-Dichloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1-Dichloroethene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,1-Dichloropropene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2,3-Trichloropropane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2,3-Trichlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2,4-Trichlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2,4-Trimethylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2-Dibromoethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2-Dichlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2-Dichloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,2-Dichloropropane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,3,5-Trimethylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,3-Dichlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,3-Dichloropropane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
1,4-Dichlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
2,2-Dichloropropane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
2-Chlorotoluene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
4-Chlorotoluene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
4-Isopropyltoluene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Benzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Bromobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Bromochloromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Bromodichloromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Bromoform	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Bromomethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Carbon disulfide	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-2-15**  
**Lab ID: 2200301-05**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Chlorobenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Chloroethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Chloroform	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Chloromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
cis-1,2-Dichloroethene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
cis-1,3-Dichloropropene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Di-isopropyl ether	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Dibromochloromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Dibromomethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Dichlorodifluoromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Ethyl Acetate	ND	50	1	B2C1079	03/11/2022	03/11/22 13:15	
Ethyl Ether	ND	50	1	B2C1079	03/11/2022	03/11/22 13:15	
Ethyl tert-butyl ether	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Ethylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Freon-113	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Hexachlorobutadiene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Isopropylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
m,p-Xylene	ND	10	1	B2C1079	03/11/2022	03/11/22 13:15	
Methylene chloride	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
MTBE	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
n-Butylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
n-Propylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Naphthalene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
o-Xylene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
sec-Butylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Styrene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
tert-Amyl methyl ether	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
tert-Butanol	ND	100	1	B2C1079	03/11/2022	03/11/22 13:15	
tert-Butylbenzene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Tetrachloroethene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Toluene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
trans-1,2-Dichloroethene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
trans-1,3-Dichloropropene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Trichloroethene	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Trichlorofluoromethane	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Vinyl acetate	ND	50	1	B2C1079	03/11/2022	03/11/22 13:15	
Vinyl chloride	ND	5.0	1	B2C1079	03/11/2022	03/11/22 13:15	
Surrogate: 1,2-Dichloroethane-d4	120 %	66 - 200		B2C1079	03/11/2022	03/11/22 13:15	
Surrogate: 4-Bromofluorobenzene	99.7 %	50 - 146		B2C1079	03/11/2022	03/11/22 13:15	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-1-2-15**

**Lab ID: 2200301-05**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(ug/kg)	(ug/kg)				Analyzed		
<i>Surrogate: Dibromofluoromethane</i>	109 %	77 - 159		B2C1079	03/11/2022	03/11/22 13:15		
<i>Surrogate: Toluene-d8</i>	100 %	81 - 128		B2C1079	03/11/2022	03/11/22 13:15		

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(mg/kg)	(mg/kg)				Analyzed		
C4-C12	ND	0.86	1	B2C1113	03/13/2022	03/13/22 06:32		
<i>Surrogate: 4-Bromofluorobenzene</i>	90.5 %	47.6 - 121.18		B2C1113	03/13/2022	03/13/22 06:32		

**Client Sample ID: 61W-1-3-1**

**Lab ID: 2200301-06**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(mg/kg)	(mg/kg)				Analyzed		
Antimony	ND	2.0	1	B2C0975	03/07/2022	03/07/22 16:43		
Arsenic	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
<b>Barium</b>	<b>70</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
<b>Beryllium</b>	<b>1.7</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
Cadmium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
<b>Chromium</b>	<b>11</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
<b>Cobalt</b>	<b>4.4</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
<b>Copper</b>	<b>10</b>	2.0	1	B2C0975	03/07/2022	03/07/22 16:43		
<b>Lead</b>	<b>4.1</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
Molybdenum	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
<b>Nickel</b>	<b>4.8</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
Selenium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
<b>Silver</b>	<b>3.1</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
Thallium	ND	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
<b>Vanadium</b>	<b>22</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		
<b>Zinc</b>	<b>34</b>	1.0	1	B2C0975	03/07/2022	03/07/22 16:43		



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

Client Sample ID: 61W-1-3-6

Lab ID: 2200301-07

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 00:43	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 00:43	
Surrogate: <i>p</i> -Terphenyl	203 %	62 - 141		B2C0986	03/07/2022	03/08/22 00:43	S1

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1,1-Trichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1,2-Trichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1-Dichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,1-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2,3-Trichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2-Dibromo-3-chloropropane	ND	9.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2-Dibromoethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2-Dichloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,2-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,3-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,3-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
1,4-Dichlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
2,2-Dichloropropane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
2-Chlorotoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
4-Chlorotoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
4-Isopropyltoluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Benzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Bromobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Bromochloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Bromodichloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Bromoform	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Bromomethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Carbon disulfide	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-3-6**  
**Lab ID: 2200301-07**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Chlorobenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Chloroethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Chloroform	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Chloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Di-isopropyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Dibromochloromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Dibromomethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Dichlorodifluoromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Ethyl Acetate	ND	49	1	B2C1079	03/11/2022	03/11/22 13:40	
Ethyl Ether	ND	49	1	B2C1079	03/11/2022	03/11/22 13:40	
Ethyl tert-butyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Ethylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Freon-113	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Hexachlorobutadiene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Isopropylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
m,p-Xylene	ND	9.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Methylene chloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
MTBE	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
n-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
n-Propylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Naphthalene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
o-Xylene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
sec-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Styrene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
tert-Amyl methyl ether	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
tert-Butanol	ND	99	1	B2C1079	03/11/2022	03/11/22 13:40	
tert-Butylbenzene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Tetrachloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Toluene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Trichloroethene	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Trichlorofluoromethane	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	
Vinyl acetate	ND	49	1	B2C1079	03/11/2022	03/11/22 13:40	
Vinyl chloride	ND	4.9	1	B2C1079	03/11/2022	03/11/22 13:40	

Surrogate: 1,2-Dichloroethane-d4      116 %      66 - 200      B2C1079      03/11/2022      03/11/22 13:40  
 Surrogate: 4-Bromofluorobenzene      104 %      50 - 146      B2C1079      03/11/2022      03/11/22 13:40



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-3-6**  
**Lab ID: 2200301-07**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	112 %	77 - 159		B2C1079	03/11/2022	03/11/22 13:40	
Surrogate: Toluene-d8	101 %	81 - 128		B2C1079	03/11/2022	03/11/22 13:40	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1113	03/13/2022	03/13/22 06:56	
Surrogate: 4-Bromofluorobenzene	88.2 %	47.6 - 121.18		B2C1113	03/13/2022	03/13/22 06:56	

**Client Sample ID: 61W-1-4-1**  
**Lab ID: 2200301-08**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
<b>Barium</b>	<b>91</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
<b>Cobalt</b>	<b>5.1</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
<b>Copper</b>	<b>10</b>	2.0	1	B2C0998	03/09/2022	03/10/22 13:27	
<b>Lead</b>	<b>3.9</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
<b>Nickel</b>	<b>5.9</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
<b>Selenium</b>	<b>3.1</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
<b>Silver</b>	<b>4.8</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
<b>Vanadium</b>	<b>30</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	
<b>Zinc</b>	<b>38</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:27	





## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

Client Sample ID: 61W-1-4-6

Lab ID: 2200301-09

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 01:05	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 01:05	
<i>Surrogate: p-Terphenyl</i>	<i>148 %</i>	<i>62 - 141</i>		B2C0986	03/07/2022	<i>03/08/22 01:05</i>	S1

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1,1-Trichloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1,2,2-Tetrachloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1,2-Trichloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1-Dichloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1-Dichloroethene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,1-Dichloropropene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2,3-Trichloropropane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2,3-Trichlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2,4-Trichlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2,4-Trimethylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2-Dibromo-3-chloropropane	ND	9.7	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2-Dibromoethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2-Dichlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2-Dichloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,2-Dichloropropane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,3,5-Trimethylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,3-Dichlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,3-Dichloropropane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
1,4-Dichlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
2,2-Dichloropropane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
2-Chlorotoluene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
4-Chlorotoluene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
4-Isopropyltoluene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Benzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Bromobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Bromochloromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Bromodichloromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Bromoform	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Bromomethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Carbon disulfide	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-4-6**  
**Lab ID: 2200301-09**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Chlorobenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Chloroethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Chloroform	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Chloromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
cis-1,2-Dichloroethene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
cis-1,3-Dichloropropene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Di-isopropyl ether	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Dibromochloromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Dibromomethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Dichlorodifluoromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Ethyl Acetate	ND	48	1	B2C1079	03/11/2022	03/11/22 14:04	
Ethyl Ether	ND	48	1	B2C1079	03/11/2022	03/11/22 14:04	
Ethyl tert-butyl ether	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Ethylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Freon-113	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Hexachlorobutadiene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Isopropylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
m,p-Xylene	ND	9.7	1	B2C1079	03/11/2022	03/11/22 14:04	
Methylene chloride	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
MTBE	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
n-Butylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
n-Propylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Naphthalene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
o-Xylene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
sec-Butylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Styrene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
tert-Amyl methyl ether	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
tert-Butanol	ND	97	1	B2C1079	03/11/2022	03/11/22 14:04	
tert-Butylbenzene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Tetrachloroethene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Toluene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
trans-1,2-Dichloroethene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
trans-1,3-Dichloropropene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Trichloroethene	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Trichlorofluoromethane	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	
Vinyl acetate	ND	48	1	B2C1079	03/11/2022	03/11/22 14:04	
Vinyl chloride	ND	4.8	1	B2C1079	03/11/2022	03/11/22 14:04	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>122 %</i>	<i>66 - 200</i>	B2C1079	03/11/2022	<i>03/11/22 14:04</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>103 %</i>	<i>50 - 146</i>	B2C1079	03/11/2022	<i>03/11/22 14:04</i>



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-4-6**

**Lab ID: 2200301-09**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	114 %	77 - 159		B2C1079	03/11/2022	03/11/22 14:04	
<i>Surrogate: Toluene-d8</i>	100 %	81 - 128		B2C1079	03/11/2022	03/11/22 14:04	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1113	03/13/2022	03/13/22 07:21	
<i>Surrogate: 4-Bromofluorobenzene</i>	89.2 %	47.6 - 121.18		B2C1113	03/13/2022	03/13/22 07:21	

**Client Sample ID: 61W-1-5-1**

**Lab ID: 2200301-10**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
<b>Barium</b>	<b>92</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
<b>Beryllium</b>	<b>2.7</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
<b>Cobalt</b>	<b>5.9</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
<b>Copper</b>	<b>12</b>	2.0	1	B2C0998	03/09/2022	03/10/22 13:29	
<b>Lead</b>	<b>3.5</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
<b>Nickel</b>	<b>6.4</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
<b>Selenium</b>	<b>1.8</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
<b>Silver</b>	<b>5.4</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
<b>Vanadium</b>	<b>34</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	
<b>Zinc</b>	<b>40</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:29	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-5-6**  
**Lab ID: 2200301-11**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 01:25	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 01:25	
<i>Surrogate: p-Terphenyl</i>	<i>179 %</i>	<i>62 - 141</i>		B2C0986	03/07/2022	<i>03/08/22 01:25</i>	<i>S1</i>

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1,1-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1,2-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,1-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2,3-Trichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2-Dibromoethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,3-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,3-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
1,4-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
2,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
2-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
4-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
4-Isopropyltoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Benzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Bromobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Bromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Bromodichloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Bromoform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Bromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Carbon disulfide	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	



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**Client Sample ID: 61W-1-5-6**  
**Lab ID: 2200301-11**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Chlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Chloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Chloroform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Chloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Di-isopropyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Dibromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Dibromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Dichlorodifluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Ethyl Acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 14:29	
Ethyl Ether	ND	46	1	B2C1079	03/11/2022	03/11/22 14:29	
Ethyl tert-butyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Ethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Freon-113	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Hexachlorobutadiene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Isopropylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
m,p-Xylene	ND	9.1	1	B2C1079	03/11/2022	03/11/22 14:29	
Methylene chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
MTBE	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
n-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
n-Propylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Naphthalene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
o-Xylene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
sec-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Styrene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
tert-Amyl methyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
tert-Butanol	ND	91	1	B2C1079	03/11/2022	03/11/22 14:29	
tert-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Tetrachloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Toluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Trichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Trichlorofluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
Vinyl acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 14:29	
Vinyl chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 14:29	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>118 %</i>	<i>66 - 200</i>		B2C1079	03/11/2022	<i>03/11/22 14:29</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.4 %</i>	<i>50 - 146</i>		B2C1079	03/11/2022	<i>03/11/22 14:29</i>	



# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-1-5-6**  
**Lab ID: 2200301-11**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	109 %	77 - 159		B2C1079	03/11/2022	03/11/22 14:29	
<i>Surrogate: Toluene-d8</i>	100 %	81 - 128		B2C1079	03/11/2022	03/11/22 14:29	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C1113	03/13/2022	03/13/22 07:45	
<i>Surrogate: 4-Bromofluorobenzene</i>	87.8 %	47.6 - 121.18		B2C1113	03/13/2022	03/13/22 07:45	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-8-1**  
**Lab ID: 2200301-12**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
<b>Barium</b>	<b>80</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
<b>Cobalt</b>	<b>4.8</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
<b>Copper</b>	<b>9.5</b>	2.0	1	B2C0998	03/09/2022	03/10/22 13:31	
<b>Lead</b>	<b>3.6</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
<b>Nickel</b>	<b>5.5</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
<b>Selenium</b>	<b>1.6</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
<b>Silver</b>	<b>4.8</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
<b>Vanadium</b>	<b>29</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	
<b>Zinc</b>	<b>35</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:31	

## Organochlorine Pesticides by EPA 8081A

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
4,4'-DDE	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
4,4'-DDT	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Aldrin	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
alpha-BHC	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
alpha-Chlordane	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
beta-BHC	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Chlordane	ND	8.5	1	B2C0990	03/07/2022	03/07/22 20:17	
delta-BHC	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Dieldrin	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endosulfan I	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endosulfan II	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endosulfan sulfate	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endrin	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endrin aldehyde	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Endrin ketone	ND	2.0	1	B2C0990	03/07/2022	03/07/22 20:17	
gamma-BHC	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
gamma-Chlordane	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	



### Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-1-8-1**  
**Lab ID: 2200301-12**

#### Organochlorine Pesticides by EPA 8081A

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Heptachlor epoxide	ND	1.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Methoxychlor	ND	5.0	1	B2C0990	03/07/2022	03/07/22 20:17	
Toxaphene	ND	50	1	B2C0990	03/07/2022	03/07/22 20:17	
<i>Surrogate: Decachlorobiphenyl</i>	56.1 %	0 - 97		B2C0990	03/07/2022	03/07/22 20:17	
<i>Surrogate: Tetrachloro-m-xylene</i>	51.4 %	3 - 78		B2C0990	03/07/2022	03/07/22 20:17	





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 Reported : 05/12/2022

**Client Sample ID: 61W-1-8-6**  
**Lab ID: 2200301-13**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Acenaphthene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Acenaphthylene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Anthracene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Benzo(a)anthracene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Benzo(a)pyrene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Benzo(b)fluoranthene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Benzo(g,h,i)perylene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Benzo(k)fluoranthene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Chrysene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Dibenz(a,h)anthracene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Fluoranthene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Fluorene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Naphthalene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Phenanthrene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
Pyrene	ND	5.0	1	B2C0989	03/07/2022	03/08/22 15:28	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	79.2 %	12 - 125		B2C0989	03/07/2022	03/08/22 15:28	
<i>Surrogate: 2-Fluorobiphenyl</i>	91.3 %	14 - 139		B2C0989	03/07/2022	03/08/22 15:28	
<i>Surrogate: Nitrobenzene-d5</i>	47.5 %	8 - 155		B2C0989	03/07/2022	03/08/22 15:28	
<i>Surrogate: 4-Terphenyl-d14</i>	124 %	16 - 152		B2C0989	03/07/2022	03/08/22 15:28	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 01:47	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 01:47	
<i>Surrogate: p-Terphenyl</i>	150 %	62 - 141		B2C0986	03/07/2022	03/08/22 01:47	S1

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,1,1-Trichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,1,2-Trichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

**Client Sample ID: 61W-1-8-6**  
**Lab ID: 2200301-13**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,1-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,1-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2,3-Trichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2-Dibromoethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2-Dichloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,2-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,3-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,3-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
1,4-Dichlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
2,2-Dichloropropane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
2-Chlorotoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
4-Chlorotoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
4-Isopropyltoluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Benzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Bromobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Bromochloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Bromodichloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Bromoform	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Bromomethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Carbon disulfide	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Carbon tetrachloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Chlorobenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Chloroethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Chloroform	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Chloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Di-isopropyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Dibromochloromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Dibromomethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Dichlorodifluoromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Ethyl Acetate	ND	44	1	B2C1079	03/11/2022	03/11/22 14:53	
Ethyl Ether	ND	44	1	B2C1079	03/11/2022	03/11/22 14:53	



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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-1-8-6**  
**Lab ID: 2200301-13**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Ethylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Freon-113	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Hexachlorobutadiene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Isopropylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
m,p-Xylene	ND	8.8	1	B2C1079	03/11/2022	03/11/22 14:53	
Methylene chloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
MTBE	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
n-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
n-Propylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Naphthalene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
o-Xylene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
sec-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Styrene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
tert-Amyl methyl ether	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
tert-Butanol	ND	88	1	B2C1079	03/11/2022	03/11/22 14:53	
tert-Butylbenzene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Tetrachloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Toluene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Trichloroethene	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Trichlorofluoromethane	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
Vinyl acetate	ND	44	1	B2C1079	03/11/2022	03/11/22 14:53	
Vinyl chloride	ND	4.4	1	B2C1079	03/11/2022	03/11/22 14:53	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>122 %</i>	<i>66 - 200</i>		B2C1079	03/11/2022	<i>03/11/22 14:53</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>50 - 146</i>		B2C1079	03/11/2022	<i>03/11/22 14:53</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>114 %</i>	<i>77 - 159</i>		B2C1079	03/11/2022	<i>03/11/22 14:53</i>	
<i>Surrogate: Toluene-d8</i>	<i>103 %</i>	<i>81 - 128</i>		B2C1079	03/11/2022	<i>03/11/22 14:53</i>	

### Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
1,2-Dichlorobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
1,3-Dichlorobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
1,4-Dichlorobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2,4,5-Trichlorophenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	



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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-1-8-6**

**Lab ID: 2200301-13**

### Semivolatile Organic Compounds by EPA 8270C

**Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2,4,6-Trichlorophenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2,4-Dichlorophenol	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
2,4-Dimethylphenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2,4-Dinitrophenol	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
2,4-Dinitrotoluene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2,6-Dinitrotoluene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Chloronaphthalene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Chlorophenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Methylnaphthalene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Methylphenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Nitroaniline	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
2-Nitrophenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
3,3'-Dichlorobenzidine	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
3-Nitroaniline	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
4,6-Dinitro-2-methylphenol	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Bromophenyl-phenylether	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Chloro-3-methylphenol	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Chloroaniline	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Chlorophenyl-phenylether	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Methylphenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Nitroaniline	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
4-Nitrophenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Acenaphthene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Acenaphthylene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Anthracene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzidine (M)	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzo(a)anthracene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzo(a)pyrene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzo(b)fluoranthene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzo(g,h,i)perylene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzo(k)fluoranthene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzoic acid	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
Benzyl alcohol	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
bis(2-chloroethoxy)methane	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
bis(2-Chloroethyl)ether	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
bis(2-chloroisopropyl)ether	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Butylbenzylphthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Chrysene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Di-n-butylphthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-8-6**  
**Lab ID: 2200301-13**

## Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Di-n-octylphthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Dibenz(a,h)anthracene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Dibenzofuran	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Diethyl phthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Dimethyl phthalate	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Fluoranthene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Fluorene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Hexachlorobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Hexachlorobutadiene	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
Hexachlorocyclopentadiene	ND	660	1	B2C0991	03/07/2022	03/08/22 12:52	
Hexachloroethane	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Isophorone	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
N-Nitroso-di-n propylamine	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
N-Nitrosodiphenylamine	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Naphthalene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Nitrobenzene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Pentachlorophenol	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
Phenanthrene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Phenol	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Pyrene	ND	330	1	B2C0991	03/07/2022	03/08/22 12:52	
Pyridine	ND	1600	1	B2C0991	03/07/2022	03/08/22 12:52	
Surrogate: 1,2-Dichlorobenzene-d4	74.4 %	23 - 102		B2C0991	03/07/2022	03/08/22 12:52	
Surrogate: 2,4,6-Tribromophenol	62.5 %	3 - 138		B2C0991	03/07/2022	03/08/22 12:52	
Surrogate: 2-Chlorophenol-d4	75.7 %	18 - 105		B2C0991	03/07/2022	03/08/22 12:52	
Surrogate: 2-Fluorobiphenyl	74.0 %	34 - 106		B2C0991	03/07/2022	03/08/22 12:52	
Surrogate: 2-Fluorophenol	67.2 %	16 - 94		B2C0991	03/07/2022	03/08/22 12:52	
Surrogate: 4-Terphenyl-d14	98.3 %	31 - 130		B2C0991	03/07/2022	03/08/22 12:52	
Surrogate: Nitrobenzene-d5	64.4 %	23 - 102		B2C0991	03/07/2022	03/08/22 12:52	
Surrogate: Phenol-d6	67.3 %	14 - 104		B2C0991	03/07/2022	03/08/22 12:52	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.97	1	B2C1113	03/13/2022	03/13/22 08:10	
Surrogate: 4-Bromofluorobenzene	86.6 %	47.6 - 121.18		B2C1113	03/13/2022	03/13/22 08:10	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-7-1**  
**Lab ID: 2200301-14**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
<b>Barium</b>	<b>79</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
<b>Beryllium</b>	<b>2.2</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
<b>Cobalt</b>	<b>4.5</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
<b>Copper</b>	<b>11</b>	2.0	1	B2C0998	03/09/2022	03/10/22 13:38	
<b>Lead</b>	<b>3.9</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
<b>Nickel</b>	<b>6.0</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Selenium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
<b>Silver</b>	<b>4.2</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
<b>Vanadium</b>	<b>27</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	
<b>Zinc</b>	<b>120</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:38	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-1-7-5.5**

**Lab ID: 2200301-15**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 02:08	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 02:08	
<i>Surrogate: p-Terphenyl</i>	<i>157 %</i>	<i>62 - 141</i>		B2C0986	03/07/2022	<i>03/08/22 02:08</i>	S1

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1,1-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1,2-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,1-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2,3-Trichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2-Dibromo-3-chloropropane	ND	9.2	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2-Dibromoethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,3-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,3-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
1,4-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
2,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
2-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
4-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
4-Isopropyltoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Benzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Bromobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Bromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Bromodichloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Bromoform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Bromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Carbon disulfide	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-7-5.5**  
**Lab ID: 2200301-15**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Chlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Chloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Chloroform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Chloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Di-isopropyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Dibromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Dibromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Dichlorodifluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Ethyl Acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 15:18	
Ethyl Ether	ND	46	1	B2C1079	03/11/2022	03/11/22 15:18	
Ethyl tert-butyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Ethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Freon-113	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Hexachlorobutadiene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Isopropylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
m,p-Xylene	ND	9.2	1	B2C1079	03/11/2022	03/11/22 15:18	
Methylene chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
MTBE	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
n-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
n-Propylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Naphthalene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
o-Xylene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
sec-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Styrene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
tert-Amyl methyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
tert-Butanol	ND	92	1	B2C1079	03/11/2022	03/11/22 15:18	
tert-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Tetrachloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Toluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Trichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Trichlorofluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	
Vinyl acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 15:18	
Vinyl chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 15:18	

Surrogate: 1,2-Dichloroethane-d4      115 %      66 - 200      B2C1079      03/11/2022      03/11/22 15:18  
 Surrogate: 4-Bromofluorobenzene      98.3 %      50 - 146      B2C1079      03/11/2022      03/11/22 15:18





### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-1-7-5.5**  
**Lab ID: 2200301-15**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	109 %	77 - 159		B2C1079	03/11/2022	03/11/22 15:18	
<i>Surrogate: Toluene-d8</i>	100 %	81 - 128		B2C1079	03/11/2022	03/11/22 15:18	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C1113	03/13/2022	03/13/22 08:34	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.3 %	47.6 - 121.18		B2C1113	03/13/2022	03/13/22 08:34	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-1-7-13**

**Lab ID: 2200301-16**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C0986	03/07/2022	03/08/22 02:29	
C23-C32	ND	10	1	B2C0986	03/07/2022	03/08/22 02:29	
<i>Surrogate: p-Terphenyl</i>	<i>138 %</i>	<i>62 - 141</i>		B2C0986	03/07/2022	<i>03/08/22 02:29</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1,1-Trichloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1,2-Trichloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1-Dichloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1-Dichloroethene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,1-Dichloropropene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2,3-Trichloropropane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2-Dibromoethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2-Dichlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2-Dichloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,2-Dichloropropane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,3-Dichlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,3-Dichloropropane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
1,4-Dichlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
2,2-Dichloropropane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
2-Chlorotoluene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
4-Chlorotoluene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
4-Isopropyltoluene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Benzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Bromobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Bromochloromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Bromodichloromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Bromoform	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Bromomethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Carbon disulfide	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-7-13**  
**Lab ID: 2200301-16**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Chlorobenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Chloroethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Chloroform	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Chloromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Di-isopropyl ether	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Dibromochloromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Dibromomethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Dichlorodifluoromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Ethyl Acetate	ND	43	1	B2C1079	03/11/2022	03/11/22 15:42	
Ethyl Ether	ND	43	1	B2C1079	03/11/2022	03/11/22 15:42	
Ethyl tert-butyl ether	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Ethylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Freon-113	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Hexachlorobutadiene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Isopropylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
m,p-Xylene	ND	8.5	1	B2C1079	03/11/2022	03/11/22 15:42	
Methylene chloride	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
MTBE	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
n-Butylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
n-Propylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Naphthalene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
o-Xylene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
sec-Butylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Styrene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
tert-Amyl methyl ether	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
tert-Butanol	ND	85	1	B2C1079	03/11/2022	03/11/22 15:42	
tert-Butylbenzene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Tetrachloroethene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Toluene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Trichloroethene	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Trichlorofluoromethane	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	
Vinyl acetate	ND	43	1	B2C1079	03/11/2022	03/11/22 15:42	
Vinyl chloride	ND	4.3	1	B2C1079	03/11/2022	03/11/22 15:42	

Surrogate: 1,2-Dichloroethane-d4	118 %	66 - 200	B2C1079	03/11/2022	03/11/22 15:42
Surrogate: 4-Bromofluorobenzene	99.3 %	50 - 146	B2C1079	03/11/2022	03/11/22 15:42



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Reported : 05/12/2022

**Client Sample ID: 61W-1-7-13**  
**Lab ID: 2200301-16**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	105 %	77 - 159		B2C1079	03/11/2022	03/11/22 15:42	
<i>Surrogate: Toluene-d8</i>	104 %	81 - 128		B2C1079	03/11/2022	03/11/22 15:42	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.94	1	B2C1113	03/13/2022	03/13/22 08:59	
<i>Surrogate: 4-Bromofluorobenzene</i>	85.4 %	47.6 - 121.18		B2C1113	03/13/2022	03/13/22 08:59	



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Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

### QUALITY CONTROL SECTION

#### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0989 - MSSEMI\_S**

**Blank (B2C0989-BLK1)**

Prepared: 3/7/2022 Analyzed: 3/8/2022

2-Methylnaphthalene	ND	5.0	0.60							
Acenaphthene	ND	5.0	0.41							
Acenaphthylene	ND	5.0	0.41							
Anthracene	ND	5.0	0.56							
Benzo(a)anthracene	ND	5.0	0.56							
Benzo(a)pyrene	ND	5.0	0.69							
Benzo(b)fluoranthene	ND	5.0	2.2							
Benzo(g,h,i)perylene	ND	5.0	0.80							
Benzo(k)fluoranthene	ND	5.0	0.70							
Chrysene	ND	5.0	0.61							
Dibenz(a,h)anthracene	ND	5.0	0.88							
Fluoranthene	6.27600	5.0	0.45							B6
Fluorene	ND	5.0	0.35							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82							
Naphthalene	ND	5.0	0.56							
Phenanthrene	5.43600	5.0	0.34							B6
Pyrene	6.13467	5.0	0.51							B6

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	52.62			66.6667	78.9	12 - 125				
<i>Surrogate: 2-Fluorobiphenyl</i>	58.50			66.6667	87.8	14 - 139				
<i>Surrogate: Nitrobenzene-d5</i>	33.20			66.6667	49.8	8 - 155				
<i>Surrogate: 4-Terphenyl-d14</i>	67.75			66.6667	102	16 - 152				

**LCS (B2C0989-BS1)**

Prepared: 3/7/2022 Analyzed: 3/8/2022

2-Methylnaphthalene	36.4013	5.0	0.60	66.6667	54.6	39 - 92				
Acenaphthene	50.3260	5.0	0.41	66.6667	75.5	35 - 94				
Acenaphthylene	50.1953	5.0	0.41	66.6667	75.3	31 - 101				
Anthracene	43.0947	5.0	0.56	66.6667	64.6	37 - 95				
Benzo(a)anthracene	40.8487	5.0	0.56	66.6667	61.3	43 - 102				
Benzo(a)pyrene	43.7073	5.0	0.69	66.6667	65.6	38 - 95				
Benzo(b)fluoranthene	46.6407	5.0	2.2	66.6667	70.0	44 - 102				
Benzo(g,h,i)perylene	45.0127	5.0	0.80	66.6667	67.5	34 - 114				
Benzo(k)fluoranthene	50.9313	5.0	0.70	66.6667	76.4	34 - 110				
Chrysene	58.6120	5.0	0.61	66.6667	87.9	46 - 101				
Dibenz(a,h)anthracene	40.2600	5.0	0.88	66.6667	60.4	35 - 117				
Fluoranthene	51.8593	5.0	0.45	66.6667	77.8	46 - 107				B
Fluorene	44.3733	5.0	0.35	66.6667	66.6	35 - 98				
Indeno(1,2,3-cd)pyrene	41.2787	5.0	0.82	66.6667	61.9	35 - 114				
Naphthalene	47.2180	5.0	0.56	66.6667	70.8	39 - 86				
Phenanthrene	44.7373	5.0	0.34	66.6667	67.1	43 - 98				B
Pyrene	53.5407	5.0	0.51	66.6667	80.3	44 - 108				B

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	43.65			66.6667	65.5	12 - 125				
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## Certificate of Analysis

GSI Environmental, Inc.

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19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0989 - MSSEMI\_S (continued)**

**LCS (B2C0989-BS1) - Continued**

Prepared: 3/7/2022 Analyzed: 3/8/2022

Surrogate: 2-Fluorobiphenyl	50.56	66.6667	66.6667	75.8	14 - 139
Surrogate: Nitrobenzene-d5	38.83	66.6667	66.6667	58.2	8 - 155
Surrogate: 4-Terphenyl-d14	57.99	66.6667	66.6667	87.0	16 - 152

**Matrix Spike (B2C0989-MS1)**

**Source: 2200301-13**

Prepared: 3/7/2022 Analyzed: 3/8/2022

2-Methylnaphthalene	43.0027	5.0	0.60	66.6667	ND	64.5	43 - 120		
Acenaphthene	60.1213	5.0	0.41	66.6667	2.47800	86.5	52 - 113		
Acenaphthylene	62.9993	5.0	0.41	66.6667	ND	94.5	44 - 126		
Anthracene	59.1733	5.0	0.56	66.6667	ND	88.8	49 - 128		
Benzo(a)anthracene	53.2920	5.0	0.56	66.6667	ND	79.9	32 - 158		
Benzo(a)pyrene	53.2973	5.0	0.69	66.6667	ND	79.9	39 - 137		
Benzo(b)fluoranthene	60.9887	5.0	2.2	66.6667	ND	91.5	52 - 132		
Benzo(g,h,i)perylene	56.7627	5.0	0.80	66.6667	ND	85.1	35 - 162		
Benzo(k)fluoranthene	66.6060	5.0	0.70	66.6667	ND	99.9	18 - 153		
Chrysene	67.8713	5.0	0.61	66.6667	ND	102	25 - 160		
Dibenz(a,h)anthracene	54.5640	5.0	0.88	66.6667	ND	81.8	41 - 155		
Fluoranthene	69.5900	5.0	0.45	66.6667	1.10867	103	5 - 185		B
Fluorene	56.1413	5.0	0.35	66.6667	ND	84.2	28 - 135		
Indeno(1,2,3-cd)pyrene	52.5487	5.0	0.82	66.6667	ND	78.8	36 - 162		
Naphthalene	48.6940	5.0	0.56	66.6667	3.50800	67.8	41 - 113		
Phenanthrene	55.4027	5.0	0.34	66.6667	1.46600	80.9	35 - 143		B
Pyrene	69.1833	5.0	0.51	66.6667	1.24533	102	10 - 184		B

Surrogate: 1,2-Dichlorobenzene-d4	50.38	66.6667	66.6667	75.6	12 - 125
Surrogate: 2-Fluorobiphenyl	56.78	66.6667	66.6667	85.2	14 - 139
Surrogate: Nitrobenzene-d5	44.53	66.6667	66.6667	66.8	8 - 155
Surrogate: 4-Terphenyl-d14	70.24	66.6667	66.6667	105	16 - 152

**Matrix Spike Dup (B2C0989-MSD1)**

**Source: 2200301-13**

Prepared: 3/7/2022 Analyzed: 3/8/2022

2-Methylnaphthalene	46.0140	5.0	0.60	66.6667	ND	69.0	43 - 120	6.77	20
Acenaphthene	64.3547	5.0	0.41	66.6667	2.47800	92.8	52 - 113	6.80	20
Acenaphthylene	69.3727	5.0	0.41	66.6667	ND	104	44 - 126	9.63	20
Anthracene	58.5787	5.0	0.56	66.6667	ND	87.9	49 - 128	1.01	20
Benzo(a)anthracene	54.2007	5.0	0.56	66.6667	ND	81.3	32 - 158	1.69	20
Benzo(a)pyrene	56.7740	5.0	0.69	66.6667	ND	85.2	39 - 137	6.32	20
Benzo(b)fluoranthene	62.3287	5.0	2.2	66.6667	ND	93.5	52 - 132	2.17	20
Benzo(g,h,i)perylene	56.7947	5.0	0.80	66.6667	ND	85.2	35 - 162	0.0564	20
Benzo(k)fluoranthene	65.2307	5.0	0.70	66.6667	ND	97.8	18 - 153	2.09	20
Chrysene	71.1360	5.0	0.61	66.6667	ND	107	25 - 160	4.70	20
Dibenz(a,h)anthracene	54.2427	5.0	0.88	66.6667	ND	81.4	41 - 155	0.591	20
Fluoranthene	68.1553	5.0	0.45	66.6667	1.10867	101	5 - 185	2.08	20 B
Fluorene	63.2113	5.0	0.35	66.6667	ND	94.8	28 - 135	11.8	20
Indeno(1,2,3-cd)pyrene	53.8200	5.0	0.82	66.6667	ND	80.7	36 - 162	2.39	20
Naphthalene	52.6120	5.0	0.56	66.6667	3.50800	73.7	41 - 113	7.73	20
Phenanthrene	65.0340	5.0	0.34	66.6667	1.46600	95.4	35 - 143	16.0	20 B
Pyrene	69.5040	5.0	0.51	66.6667	1.24533	102	10 - 184	0.462	20 B



## Certificate of Analysis

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### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0989 - MSSEMI\_S (continued)**

**Matrix Spike Dup (B2C0989-MSD1) - Continued**

**Source: 2200301-13**

Prepared: 3/7/2022 Analyzed: 3/8/2022

Surrogate: 1,2-Dichlorobenzene-d4	54.35		66.6667		81.5	12 - 125
Surrogate: 2-Fluorobiphenyl	64.20		66.6667		96.3	14 - 139
Surrogate: Nitrobenzene-d5	49.98		66.6667		75.0	8 - 155
Surrogate: 4-Terphenyl-d14	73.69		66.6667		111	16 - 152



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	Limit	Notes
<b>Batch B2C1113 - GCVOA_S</b>									
<b>Blank (B2C1113-BLK1)</b>					Prepared: 3/13/2022 Analyzed: 3/13/2022				
C4-C12	ND	1.0	0.13						
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6856</i>			<i>0.800000</i>		<i>85.7</i>	<i>47.6 - 121.18</i>		
<b>LCS (B2C1113-BS1)</b>					Prepared: 3/13/2022 Analyzed: 3/13/2022				
Gasoline Range Organics	6.48500	1.0	0.13	5.00000		130	68.69 - 124.04		L5
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7330</i>			<i>0.800000</i>		<i>91.6</i>	<i>47.6 - 121.18</i>		
<b>LCS Dup (B2C1113-BSD1)</b>					Prepared: 3/13/2022 Analyzed: 3/13/2022				
Gasoline Range Organics	6.67200	1.0	0.13	5.00000		133	68.69 - 124.04	2.84	20 L5
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6877</i>			<i>0.800000</i>		<i>86.0</i>	<i>47.6 - 121.18</i>		





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Reported : 05/12/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0975 - EPA 3050B\_S**

**Blank (B2C0975-BLK1)**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

**LCS (B2C0975-BS1)**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Antimony	26.0572	2.0	0.51	25.0000	104	80 - 120
Arsenic	25.3868	1.0	0.12	25.0000	102	80 - 120
Barium	24.2617	1.0	0.12	25.0000	97.0	80 - 120
Beryllium	25.9003	1.0	0.03	25.0100	104	80 - 120
Cadmium	25.7549	1.0	0.14	25.0000	103	80 - 120
Chromium	25.4683	1.0	0.26	25.0000	102	80 - 120
Cobalt	26.7046	1.0	0.07	25.0000	107	80 - 120
Copper	25.1355	2.0	0.19	25.0000	101	80 - 120
Lead	25.8338	1.0	0.18	25.0000	103	80 - 120
Molybdenum	26.4901	1.0	0.12	25.0000	106	80 - 120
Nickel	25.6489	1.0	0.18	25.0000	103	80 - 120
Selenium	26.8650	1.0	0.40	25.0000	107	80 - 120
Silver	12.2633	1.0	0.12	12.5000	98.1	80 - 120
Thallium	25.8536	1.0	0.38	25.0000	103	80 - 120
Vanadium	25.0078	1.0	0.06	25.0000	100	80 - 120
Zinc	26.0955	1.0	0.15	25.0000	104	80 - 120

**Matrix Spike (B2C0975-MS1)**

**Source: 2200293-03**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Antimony	11.2565	2.0	0.51	25.0000	ND	45.0	0 - 102
Arsenic	24.4806	1.0	0.12	25.0000	4.41694	80.3	55 - 117
Barium	42.6358	1.0	0.12	25.0000	26.9075	62.9	11 - 177
Beryllium	22.6629	1.0	0.03	25.0100	0.642233	88.0	64 - 115
Cadmium	21.6829	1.0	0.14	25.0000	0.274990	85.6	62 - 116
Chromium	27.2841	1.0	0.26	25.0000	7.00895	81.1	42 - 145
Cobalt	24.6533	1.0	0.07	25.0000	3.27898	85.5	60 - 126
Copper	30.3621	2.0	0.19	25.0000	9.62090	83.0	37 - 163
Lead	25.3889	1.0	0.18	25.0000	5.14083	81.0	26 - 161



## Certificate of Analysis

GSI Environmental, Inc.  
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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0975 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C0975-MS1) - Continued**

**Source: 2200293-03**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Molybdenum	19.8040	1.0	0.12	25.0000	0.437317	77.5	31 - 122			
Nickel	27.1112	1.0	0.18	25.0000	7.13587	79.9	52 - 130			
Selenium	17.5820	1.0	0.40	25.0000	ND	70.3	25 - 129			
Silver	9.81190	1.0	0.12	12.5000	ND	78.5	48 - 133			
Thallium	20.8375	1.0	0.38	25.0000	ND	83.4	25 - 119			
Vanadium	30.7068	1.0	0.06	25.0000	14.0859	66.5	51 - 141			
Zinc	41.1267	1.0	0.15	25.0000	23.3630	71.1	8 - 170			

**Matrix Spike Dup (B2C0975-MSD1)**

**Source: 2200293-03**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Antimony	11.5670	2.0	0.51	25.0000	ND	46.3	0 - 102	2.72	20	
Arsenic	24.7446	1.0	0.12	25.0000	4.41694	81.3	55 - 117	1.07	20	
Barium	41.9753	1.0	0.12	25.0000	26.9075	60.3	11 - 177	1.56	20	
Beryllium	22.7852	1.0	0.03	25.0100	0.642233	88.5	64 - 115	0.538	20	
Cadmium	22.2894	1.0	0.14	25.0000	0.274990	88.1	62 - 116	2.76	20	
Chromium	27.2658	1.0	0.26	25.0000	7.00895	81.0	42 - 145	0.0671	20	
Cobalt	25.2972	1.0	0.07	25.0000	3.27898	88.1	60 - 126	2.58	20	
Copper	29.4689	2.0	0.19	25.0000	9.62090	79.4	37 - 163	2.99	20	
Lead	25.9075	1.0	0.18	25.0000	5.14083	83.1	26 - 161	2.02	20	
Molybdenum	20.7583	1.0	0.12	25.0000	0.437317	81.3	31 - 122	4.71	20	
Nickel	27.8765	1.0	0.18	25.0000	7.13587	83.0	52 - 130	2.78	20	
Selenium	18.2248	1.0	0.40	25.0000	ND	72.9	25 - 129	3.59	20	
Silver	9.75234	1.0	0.12	12.5000	ND	78.0	48 - 133	0.609	20	
Thallium	21.4088	1.0	0.38	25.0000	ND	85.6	25 - 119	2.70	20	
Vanadium	30.8453	1.0	0.06	25.0000	14.0859	67.0	51 - 141	0.450	20	
Zinc	41.6719	1.0	0.15	25.0000	23.3630	73.2	8 - 170	1.32	20	



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0998 - EPA 3050B\_S**

**Blank (B2C0998-BLK1)**

Prepared: 3/8/2022 Analyzed: 3/10/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

**LCS (B2C0998-BS1)**

Prepared: 3/8/2022 Analyzed: 3/10/2022

Antimony	24.3825	2.0	0.51	25.0000	97.5	80 - 120
Arsenic	23.6670	1.0	0.12	25.0000	94.7	80 - 120
Barium	24.3631	1.0	0.12	25.0000	97.5	80 - 120
Beryllium	25.5230	1.0	0.03	25.0100	102	80 - 120
Cadmium	24.2410	1.0	0.14	25.0000	97.0	80 - 120
Chromium	25.4216	1.0	0.26	25.0000	102	80 - 120
Cobalt	26.4981	1.0	0.07	25.0000	106	80 - 120
Copper	25.1230	2.0	0.19	25.0000	100	80 - 120
Lead	24.5395	1.0	0.18	25.0000	98.2	80 - 120
Molybdenum	25.4814	1.0	0.12	25.0000	102	80 - 120
Nickel	24.7267	1.0	0.18	25.0000	98.9	80 - 120
Selenium	24.2986	1.0	0.40	25.0000	97.2	80 - 120
Silver	11.8688	1.0	0.12	12.5000	95.0	80 - 120
Thallium	24.0603	1.0	0.38	25.0000	96.2	80 - 120
Vanadium	25.0982	1.0	0.06	25.0000	100	80 - 120
Zinc	24.0894	1.0	0.15	25.0000	96.4	80 - 120

**Matrix Spike (B2C0998-MS1)**

**Source: 2200306-18**

Prepared: 3/8/2022 Analyzed: 3/10/2022

Antimony	8.99032	2.0	0.51	25.0000	0.767699	32.9	0 - 102
Arsenic	21.8225	1.0	0.12	25.0000	1.15705	82.7	55 - 117
Barium	158.461	1.0	0.12	25.0000	154.542	15.7	11 - 177
Beryllium	21.6015	1.0	0.03	25.0100	2.52953	76.3	64 - 115
Cadmium	20.8251	1.0	0.14	25.0000	0.649616	80.7	62 - 116
Chromium	45.6958	1.0	0.26	25.0000	24.2971	85.6	42 - 145
Cobalt	32.8511	1.0	0.07	25.0000	10.9267	87.7	60 - 126
Copper	44.6293	2.0	0.19	25.0000	20.3937	96.9	37 - 163
Lead	26.3390	1.0	0.18	25.0000	6.40960	79.7	26 - 161



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0998 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C0998-MS1) - Continued**

**Source: 2200306-18**

Prepared: 3/8/2022 Analyzed: 3/10/2022

Molybdenum	20.2870	1.0	0.12	25.0000	0.835638	77.8	31 - 122			
Nickel	33.5444	1.0	0.18	25.0000	15.2025	73.4	52 - 130			
Selenium	24.2934	1.0	0.40	25.0000	2.81860	85.9	25 - 129			
Silver	14.5617	1.0	0.12	12.5000	4.20929	82.8	48 - 133			
Thallium	18.7028	1.0	0.38	25.0000	ND	74.8	25 - 119			
Vanadium	59.6018	1.0	0.06	25.0000	38.4505	84.6	51 - 141			
Zinc	76.9880	1.0	0.15	25.0000	57.3615	78.5	8 - 170			

**Matrix Spike Dup (B2C0998-MSD1)**

**Source: 2200306-18**

Prepared: 3/8/2022 Analyzed: 3/10/2022

Antimony	9.24372	2.0	0.51	25.0000	0.767699	33.9	0 - 102	2.78	20	
Arsenic	21.6531	1.0	0.12	25.0000	1.15705	82.0	55 - 117	0.779	20	
Barium	166.466	1.0	0.12	25.0000	154.542	47.7	11 - 177	4.93	20	
Beryllium	22.0546	1.0	0.03	25.0100	2.52953	78.1	64 - 115	2.08	20	
Cadmium	21.2185	1.0	0.14	25.0000	0.649616	82.3	62 - 116	1.87	20	
Chromium	46.0856	1.0	0.26	25.0000	24.2971	87.2	42 - 145	0.849	20	
Cobalt	33.0930	1.0	0.07	25.0000	10.9267	88.7	60 - 126	0.734	20	
Copper	44.4820	2.0	0.19	25.0000	20.3937	96.4	37 - 163	0.331	20	
Lead	26.6552	1.0	0.18	25.0000	6.40960	81.0	26 - 161	1.19	20	
Molybdenum	20.7878	1.0	0.12	25.0000	0.835638	79.8	31 - 122	2.44	20	
Nickel	33.1697	1.0	0.18	25.0000	15.2025	71.9	52 - 130	1.12	20	
Selenium	23.8123	1.0	0.40	25.0000	2.81860	84.0	25 - 129	2.00	20	
Silver	15.0971	1.0	0.12	12.5000	4.20929	87.1	48 - 133	3.61	20	
Thallium	19.4044	1.0	0.38	25.0000	ND	77.6	25 - 119	3.68	20	
Vanadium	60.6695	1.0	0.06	25.0000	38.4505	88.9	51 - 141	1.78	20	
Zinc	78.9828	1.0	0.15	25.0000	57.3615	86.5	8 - 170	2.56	20	



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### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C0976 - EPA 7471_S</b>										
<b>Blank (B2C0976-BLK1)</b>					Prepared: 3/7/2022 Analyzed: 3/8/2022					
Mercury	ND	0.10	0.01							
<b>LCS (B2C0976-BS1)</b>					Prepared: 3/7/2022 Analyzed: 3/8/2022					
Mercury	0.379526	0.10	0.01	0.416667		91.1	80 - 120			
<b>Matrix Spike (B2C0976-MS1)</b>					Prepared: 3/7/2022 Analyzed: 3/8/2022					
<b>Source: 2200293-03</b>										
Mercury	0.660423	0.10	0.01	0.416667	0.053476	146	70 - 130			M2
<b>Matrix Spike Dup (B2C0976-MSD1)</b>					Prepared: 3/7/2022 Analyzed: 3/8/2022					
<b>Source: 2200293-03</b>										
Mercury	0.691767	0.10	0.01	0.416667	0.053476	153	70 - 130	4.64	20	M2



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0976 - EPA 7471\_S**

**Post Spike (B2C0976-PS1)**

**Source: 2200293-03**

Prepared: 3/7/2022 Analyzed: 3/8/2022

Mercury	0.005587		5.00000E-3	0.000642	98.9	85 - 115			
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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes	
<b>Batch B2C0986 - GCSEMI_DRO_S</b>											
<b>Blank (B2C0986-BLK1)</b>					Prepared: 3/7/2022 Analyzed: 3/7/2022						
C13-C23	ND	10	3.6								
C23-C32	ND	10	3.6								
<hr/>											
<i>Surrogate: p-Terphenyl</i>	94.34			80.0000		118	62 - 141				
<b>LCS (B2C0986-BS1)</b>					Prepared: 3/7/2022 Analyzed: 3/7/2022						
DRO	987.709	10	3.6	1000.00		98.8	56 - 139				
<hr/>											
<i>Surrogate: p-Terphenyl</i>	97.05			80.0000		121	62 - 141				
<b>Matrix Spike (B2C0986-MS1)</b>					<b>Source: 2200301-02</b>			Prepared: 3/7/2022 Analyzed: 3/7/2022			
DRO	811.436	10	3.6	1000.00	6.00400	80.5	38 - 161				
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<i>Surrogate: p-Terphenyl</i>	124.1			80.0000		155	62 - 141			S10	
<b>Matrix Spike Dup (B2C0986-MSD1)</b>					<b>Source: 2200301-02</b>			Prepared: 3/7/2022 Analyzed: 3/7/2022			
DRO	948.594	10	3.6	1000.00	6.00400	94.3	38 - 161	15.6	20		
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<i>Surrogate: p-Terphenyl</i>	137.5			80.0000		172	62 - 141			S10	



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 Reported : 05/12/2022

### Organochlorine Pesticides by EPA 8081A - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0990 - GCSEMI\_PCB/PEST\_S**

**Blank (B2C0990-BLK1)**

Prepared: 3/7/2022 Analyzed: 3/7/2022

4,4'-DDD	ND	2.0	0.08						
4,4'-DDD [2C]	ND	2.0	0.08						
4,4'-DDE	ND	2.0	0.09						
4,4'-DDE [2C]	ND	2.0	0.09						
4,4'-DDT	ND	2.0	0.10						
4,4'-DDT [2C]	ND	2.0	0.10						
Aldrin	ND	1.0	0.09						
Aldrin [2C]	ND	1.0	0.09						
alpha-BHC	ND	1.0	0.11						
alpha-BHC [2C]	ND	1.0	0.11						
alpha-Chlordane	ND	1.0	0.10						
alpha-Chlordane [2C]	ND	1.0	0.10						
beta-BHC	ND	1.0	0.15						
beta-BHC [2C]	ND	1.0	0.15						
Chlordane	ND	8.5	1.1						
Chlordane [2C]	ND	8.5	1.1						
delta-BHC	ND	1.0	0.11						
delta-BHC [2C]	ND	1.0	0.11						
Dieldrin	ND	2.0	0.09						
Dieldrin [2C]	ND	2.0	0.09						
Endosulfan I	ND	1.0	0.09						
Endosulfan I [2C]	ND	1.0	0.09						
Endosulfan II	ND	2.0	0.09						
Endosulfan II [2C]	ND	2.0	0.09						
Endosulfan sulfate	ND	2.0	0.11						
Endosulfan Sulfate [2C]	ND	2.0	0.11						
Endrin	ND	2.0	0.07						
Endrin [2C]	ND	2.0	0.07						
Endrin aldehyde	ND	2.0	0.18						
Endrin aldehyde [2C]	ND	2.0	0.18						
Endrin ketone	ND	2.0	0.06						
Endrin ketone [2C]	ND	2.0	0.06						
gamma-BHC	ND	1.0	0.12						
gamma-BHC [2C]	ND	1.0	0.12						
gamma-Chlordane	ND	1.0	0.11						
gamma-Chlordane [2C]	ND	1.0	0.11						
Heptachlor	ND	1.0	0.10						
Heptachlor [2C]	ND	1.0	0.10						
Heptachlor epoxide	ND	1.0	0.09						
Heptachlor epoxide [2C]	ND	1.0	0.09						
Methoxychlor	ND	5.0	0.14						
Methoxychlor [2C]	ND	5.0	0.14						
Toxaphene	ND	50	3.6						
Toxaphene [2C]	ND	50	3.6						





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### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0990 - GCSEMI\_PCB/PEST\_S (continued)**

**Blank (B2C0990-BLK1) - Continued**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Surrogate: Decachlorobiphenyl	10.08		16.6667		60.5	0 - 97			
Surrogate: Decachlorobiphenyl [2C]	10.54		16.6667		63.3	0 - 89			
Surrogate: Tetrachloro-m-xylene	8.266		16.6667		49.6	3 - 78			
Surrogate: Tetrachloro-m-xylene [2C]	8.618		16.6667		51.7	6 - 76			

**LCS (B2C0990-BS1)**

Prepared: 3/7/2022 Analyzed: 3/7/2022

4,4'-DDD	13.0293	2.0	0.08	16.6667	78.2	35 - 94			
4,4'-DDD [2C]	13.3712	2.0	0.08	16.6667	80.2	38 - 85			
4,4'-DDE	11.2890	2.0	0.09	16.6667	67.7	27 - 81			
4,4'-DDE [2C]	11.3147	2.0	0.09	16.6667	67.9	32 - 84			
4,4'-DDT	9.54067	2.0	0.10	16.6667	57.2	22 - 87			
4,4'-DDT [2C]	10.0210	2.0	0.10	16.6667	60.1	23 - 91			
Aldrin	9.01167	1.0	0.09	16.6667	54.1	23 - 75			
Aldrin [2C]	9.59817	1.0	0.09	16.6667	57.6	25 - 79			
alpha-BHC	9.24583	1.0	0.11	16.6667	55.5	23 - 77			
alpha-BHC [2C]	9.62767	1.0	0.11	16.6667	57.8	39 - 92			
alpha-Chlordane	11.4830	1.0	0.10	16.6667	68.9	30 - 85			
alpha-Chlordane [2C]	12.1820	1.0	0.10	16.6667	73.1	33 - 91			
beta-BHC	9.40267	1.0	0.15	16.6667	56.4	29 - 77			
beta-BHC [2C]	10.3773	1.0	0.15	16.6667	62.3	30 - 80			
delta-BHC	11.3107	1.0	0.11	16.6667	67.9	30 - 85			
delta-BHC [2C]	11.5387	1.0	0.11	16.6667	69.2	33 - 92			
Dieldrin	10.9282	2.0	0.09	16.6667	65.6	31 - 80			
Dieldrin [2C]	11.1972	2.0	0.09	16.6667	67.2	33 - 82			
Endosulfan I	10.0472	1.0	0.09	16.6667	60.3	27 - 74			
Endosulfan I [2C]	10.0435	1.0	0.09	16.6667	60.3	30 - 79			
Endosulfan II	11.2292	2.0	0.09	16.6667	67.4	37 - 86			
Endosulfan II [2C]	11.9617	2.0	0.09	16.6667	71.8	38 - 86			
Endosulfan sulfate	10.4497	2.0	0.11	16.6667	62.7	32 - 80			
Endosulfan Sulfate [2C]	10.5332	2.0	0.11	16.6667	63.2	32 - 87			
Endrin	11.2492	2.0	0.07	16.6667	67.5	35 - 92			
Endrin [2C]	11.8940	2.0	0.07	16.6667	71.4	39 - 98			
Endrin aldehyde	11.3782	2.0	0.18	16.6667	68.3	29 - 82			
Endrin aldehyde [2C]	12.2035	2.0	0.18	16.6667	73.2	30 - 91			
Endrin ketone	10.4652	2.0	0.06	16.6667	62.8	30 - 85			
Endrin ketone [2C]	11.1477	2.0	0.06	16.6667	66.9	32 - 84			
gamma-BHC	9.89417	1.0	0.12	16.6667	59.4	25 - 81			
gamma-BHC [2C]	10.4687	1.0	0.12	16.6667	62.8	26 - 83			
gamma-Chlordane	9.07633	1.0	0.11	16.6667	54.5	30 - 77			
gamma-Chlordane [2C]	9.87317	1.0	0.11	16.6667	59.2	32 - 79			
Heptachlor	8.95533	1.0	0.10	16.6667	53.7	23 - 85			
Heptachlor [2C]	9.63133	1.0	0.10	16.6667	57.8	28 - 84			
Heptachlor epoxide	9.79783	1.0	0.09	16.6667	58.8	26 - 76			
Heptachlor epoxide [2C]	10.4272	1.0	0.09	16.6667	62.6	29 - 80			
Methoxychlor	10.4882	5.0	0.14	16.6667	62.9	27 - 93			



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0990 - GCSEMI\_PCB/PEST\_S (continued)**

**LCS (B2C0990-BS1) - Continued**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Methoxychlor [2C]	11.4578	5.0	0.14	16.6667		68.7	27 - 98			
<i>Surrogate: Decachlorobiphenyl</i>	<i>10.01</i>			<i>16.6667</i>		<i>60.1</i>	<i>0 - 97</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>10.27</i>			<i>16.6667</i>		<i>61.6</i>	<i>0 - 89</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>8.037</i>			<i>16.6667</i>		<i>48.2</i>	<i>3 - 78</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>8.646</i>			<i>16.6667</i>		<i>51.9</i>	<i>6 - 76</i>			

**Matrix Spike (B2C0990-MS1)**

**Source: 2200301-12**

Prepared: 3/7/2022 Analyzed: 3/7/2022

4,4'-DDD	12.5163	2.0	0.08	16.6667	ND	75.1	13 - 84			
4,4'-DDD [2C]	12.5782	2.0	0.08	16.6667	ND	75.5	9 - 91			
4,4'-DDE	11.3378	2.0	0.09	16.6667	0.207500	66.8	0 - 115			
4,4'-DDE [2C]	11.3285	2.0	0.09	16.6667	0.212667	66.7	0 - 142			
4,4'-DDT	10.2257	2.0	0.10	16.6667	0.586667	57.8	0 - 116			
4,4'-DDT [2C]	10.3768	2.0	0.10	16.6667	0.376667	60.0	0 - 112			
Aldrin	9.86833	1.0	0.09	16.6667	ND	59.2	5 - 80			
Aldrin [2C]	10.0647	1.0	0.09	16.6667	ND	60.4	4 - 86			
alpha-BHC	10.1923	1.0	0.11	16.6667	ND	61.2	10 - 76			
alpha-BHC [2C]	10.2223	1.0	0.11	16.6667	ND	61.3	8 - 86			
alpha-Chlordane	11.5317	1.0	0.10	16.6667	ND	69.2	6 - 92			
alpha-Chlordane [2C]	11.8817	1.0	0.10	16.6667	ND	71.3	1 - 112			
beta-BHC	9.67867	1.0	0.15	16.6667	ND	58.1	14 - 72			
beta-BHC [2C]	10.2648	1.0	0.15	16.6667	ND	61.6	16 - 76			
delta-BHC	11.5405	1.0	0.11	16.6667	ND	69.2	14 - 76			
delta-BHC [2C]	11.2940	1.0	0.11	16.6667	ND	67.8	12 - 86			
Dieldrin	11.0987	2.0	0.09	16.6667	ND	66.6	0 - 122			
Dieldrin [2C]	10.8918	2.0	0.09	16.6667	ND	65.4	0 - 110			
Endosulfan I	10.2832	1.0	0.09	16.6667	ND	61.7	6 - 80			
Endosulfan I [2C]	10.0333	1.0	0.09	16.6667	ND	60.2	0 - 96			
Endosulfan II	10.8345	2.0	0.09	16.6667	ND	65.0	17 - 82			
Endosulfan II [2C]	11.3703	2.0	0.09	16.6667	ND	68.2	6 - 98			
Endosulfan sulfate	10.4017	2.0	0.11	16.6667	0.326333	60.5	9 - 78			
Endosulfan Sulfate [2C]	10.2715	2.0	0.11	16.6667	0.196500	60.4	14 - 75			
Endrin	11.3730	2.0	0.07	16.6667	ND	68.2	6 - 111			
Endrin [2C]	11.5968	2.0	0.07	16.6667	ND	69.6	21 - 94			
Endrin aldehyde	11.2860	2.0	0.18	16.6667	0.200000	66.5	0 - 121			
Endrin aldehyde [2C]	12.2512	2.0	0.18	16.6667	0.895500	68.1	9 - 87			
Endrin ketone	10.3667	2.0	0.06	16.6667	ND	62.2	8 - 78			
Endrin ketone [2C]	10.6143	2.0	0.06	16.6667	ND	63.7	10 - 84			
gamma-BHC	10.6895	1.0	0.12	16.6667	ND	64.1	14 - 81			
gamma-BHC [2C]	10.9125	1.0	0.12	16.6667	ND	65.5	13 - 84			
gamma-Chlordane	9.23533	1.0	0.11	16.6667	ND	55.4	12 - 79			
gamma-Chlordane [2C]	10.0320	1.0	0.11	16.6667	ND	60.2	11 - 82			
Heptachlor	9.88900	1.0	0.10	16.6667	ND	59.3	3 - 92			
Heptachlor [2C]	10.2127	1.0	0.10	16.6667	ND	61.3	15 - 81			
Heptachlor epoxide	10.1227	1.0	0.09	16.6667	ND	60.7	11 - 75			
Heptachlor epoxide [2C]	10.4288	1.0	0.09	16.6667	ND	62.6	16 - 76			



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Reported : 05/12/2022

### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B2C0990 - GCSEMI\_PCB/PEST\_S (continued)

##### Matrix Spike (B2C0990-MS1) - Continued

Source: 2200301-12

Prepared: 3/7/2022 Analyzed: 3/7/2022

Methoxychlor	10.7020	5.0	0.14	16.6667	ND	64.2	0 - 101			
Methoxychlor [2C]	10.9897	5.0	0.14	16.6667	ND	65.9	0 - 110			

<i>Surrogate: Decachlorobiphenyl</i>	<i>9.765</i>			<i>16.6667</i>		<i>58.6</i>	<i>0 - 97</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>9.806</i>			<i>16.6667</i>		<i>58.8</i>	<i>0 - 89</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>8.834</i>			<i>16.6667</i>		<i>53.0</i>	<i>3 - 78</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>9.179</i>			<i>16.6667</i>		<i>55.1</i>	<i>6 - 76</i>			

##### Matrix Spike Dup (B2C0990-MSD1)

Source: 2200301-12

Prepared: 3/7/2022 Analyzed: 3/7/2022

4,4'-DDD	13.1868	2.0	0.08	16.6667	ND	79.1	13 - 84	5.22	20
4,4'-DDD [2C]	13.1805	2.0	0.08	16.6667	ND	79.1	9 - 91	4.68	20
4,4'-DDE	11.6200	2.0	0.09	16.6667	0.207500	68.5	0 - 115	2.46	20
4,4'-DDE [2C]	11.7493	2.0	0.09	16.6667	0.212667	69.2	0 - 142	3.65	20
4,4'-DDT	10.8617	2.0	0.10	16.6667	0.586667	61.7	0 - 116	6.03	20
4,4'-DDT [2C]	11.2195	2.0	0.10	16.6667	0.376667	65.1	0 - 112	7.80	20
Aldrin	9.44200	1.0	0.09	16.6667	ND	56.7	5 - 80	4.42	20
Aldrin [2C]	9.60033	1.0	0.09	16.6667	ND	57.6	4 - 86	4.72	20
alpha-BHC	9.68517	1.0	0.11	16.6667	ND	58.1	10 - 76	5.10	20
alpha-BHC [2C]	9.67817	1.0	0.11	16.6667	ND	58.1	8 - 86	5.47	20
alpha-Chlordane	11.6627	1.0	0.10	16.6667	ND	70.0	6 - 92	1.13	20
alpha-Chlordane [2C]	12.0470	1.0	0.10	16.6667	ND	72.3	1 - 112	1.38	20
beta-BHC	9.80017	1.0	0.15	16.6667	ND	58.8	14 - 72	1.25	20
beta-BHC [2C]	11.0673	1.0	0.15	16.6667	ND	66.4	16 - 76	7.52	20
delta-BHC	11.7218	1.0	0.11	16.6667	ND	70.3	14 - 76	1.56	20
delta-BHC [2C]	11.6167	1.0	0.11	16.6667	ND	69.7	12 - 86	2.82	20
Dieldrin	11.3115	2.0	0.09	16.6667	ND	67.9	0 - 122	1.90	20
Dieldrin [2C]	11.0955	2.0	0.09	16.6667	ND	66.6	0 - 110	1.85	20
Endosulfan I	10.3020	1.0	0.09	16.6667	ND	61.8	6 - 80	0.183	20
Endosulfan I [2C]	10.0560	1.0	0.09	16.6667	ND	60.3	0 - 96	0.226	20
Endosulfan II	11.4088	2.0	0.09	16.6667	ND	68.5	17 - 82	5.16	20
Endosulfan II [2C]	11.9662	2.0	0.09	16.6667	ND	71.8	6 - 98	5.11	20
Endosulfan sulfate	11.0405	2.0	0.11	16.6667	0.326333	64.3	9 - 78	5.96	20
Endosulfan Sulfate [2C]	11.0993	2.0	0.11	16.6667	0.196500	65.4	14 - 75	7.75	20
Endrin	11.7942	2.0	0.07	16.6667	ND	70.8	6 - 111	3.64	20
Endrin [2C]	11.9590	2.0	0.07	16.6667	ND	71.8	21 - 94	3.07	20
Endrin aldehyde	11.8193	2.0	0.18	16.6667	0.200000	69.7	0 - 121	4.62	20
Endrin aldehyde [2C]	12.7742	2.0	0.18	16.6667	0.895500	71.3	9 - 87	4.18	20
Endrin ketone	11.0075	2.0	0.06	16.6667	ND	66.0	8 - 78	6.00	20
Endrin ketone [2C]	11.2278	2.0	0.06	16.6667	ND	67.4	10 - 84	5.62	20
gamma-BHC	10.2335	1.0	0.12	16.6667	ND	61.4	14 - 81	4.36	20
gamma-BHC [2C]	10.4627	1.0	0.12	16.6667	ND	62.8	13 - 84	4.21	20
gamma-Chlordane	9.29700	1.0	0.11	16.6667	ND	55.8	12 - 79	0.666	20
gamma-Chlordane [2C]	10.3298	1.0	0.11	16.6667	ND	62.0	11 - 82	2.93	20
Heptachlor	9.45750	1.0	0.10	16.6667	ND	56.7	3 - 92	4.46	20
Heptachlor [2C]	9.73817	1.0	0.10	16.6667	ND	58.4	15 - 81	4.76	20
Heptachlor epoxide	9.93250	1.0	0.09	16.6667	ND	59.6	11 - 75	1.90	20



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### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0990 - GCSEMI\_PCB/PEST\_S (continued)**

**Matrix Spike Dup (B2C0990-MSD1) - Continued**

**Source: 2200301-12**

Prepared: 3/7/2022 Analyzed: 3/7/2022

Heptachlor epoxide [2C]	10.3438	1.0	0.09	16.6667	ND	62.1	16 - 76	0.818	20	
Methoxychlor	11.4132	5.0	0.14	16.6667	ND	68.5	0 - 101	6.43	20	
Methoxychlor [2C]	11.8637	5.0	0.14	16.6667	ND	71.2	0 - 110	7.65	20	

<i>Surrogate: Decachlorobiphenyl</i>	<i>10.30</i>			<i>16.6667</i>		<i>61.8</i>	<i>0 - 97</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>10.57</i>			<i>16.6667</i>		<i>63.4</i>	<i>0 - 89</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>8.438</i>			<i>16.6667</i>		<i>50.6</i>	<i>3 - 78</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>8.805</i>			<i>16.6667</i>		<i>52.8</i>	<i>6 - 76</i>			



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1079 - MSVOA\_S**

**Blank (B2C1079-BLK1)**

Prepared: 3/11/2022 Analyzed: 3/11/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1079 - MSVOA\_S (continued)**

**Blank (B2C1079-BLK1) - Continued**

Prepared: 3/11/2022 Analyzed: 3/11/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	55.11		50.0000		110	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	50.98		50.0000		102	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	53.80		50.0000		108	77 - 159
<i>Surrogate: Toluene-d8</i>	50.46		50.0000		101	81 - 128

**LCS (B2C1079-BS1)**

Prepared: 3/11/2022 Analyzed: 3/11/2022

1,1,1,2-Tetrachloroethane	47.2000	5.0	0.52	50.0000	94.4	84 - 123
1,1,1-Trichloroethane	61.3800	5.0	0.26	50.0000	123	78 - 133
1,1,2,2-Tetrachloroethane	48.7000	5.0	0.21	50.0000	97.4	63 - 127
1,1,2-Trichloroethane	53.2500	5.0	0.40	50.0000	106	80 - 125
1,1-Dichloroethane	57.6900	5.0	1.4	50.0000	115	77 - 128
1,1-Dichloroethene	54.1200	5.0	1.9	50.0000	108	69 - 138
1,1-Dichloropropene	53.9900	5.0	0.54	50.0000	108	80 - 133
1,2,3-Trichloropropane	45.2200	5.0	0.40	50.0000	90.4	74 - 123
1,2,3-Trichlorobenzene	45.6600	5.0	0.83	50.0000	91.3	79 - 133
1,2,4-Trichlorobenzene	47.5500	5.0	0.80	50.0000	95.1	73 - 131
1,2,4-Trimethylbenzene	46.3800	5.0	0.91	50.0000	92.8	86 - 137
1,2-Dibromo-3-chloropropane	45.7700	10	1.1	50.0000	91.5	62 - 127
1,2-Dibromoethane	53.5100	5.0	0.40	50.0000	107	83 - 126
1,2-Dichlorobenzene	45.8300	5.0	0.21	50.0000	91.7	83 - 123
1,2-Dichloroethane	51.0400	5.0	0.50	50.0000	102	76 - 128



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Irvine , CA 92612

Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1079 - MSVOA\_S (continued)**

**LCS (B2C1079-BS1) - Continued**

Prepared: 3/11/2022 Analyzed: 3/11/2022

1,2-Dichloropropane	53.6900	5.0	0.46	50.0000		107	77 - 121			
1,3,5-Trimethylbenzene	45.3800	5.0	0.70	50.0000		90.8	84 - 135			
1,3-Dichlorobenzene	45.7700	5.0	0.36	50.0000		91.5	81 - 126			
1,3-Dichloropropane	49.7000	5.0	0.49	50.0000		99.4	80 - 118			
1,4-Dichlorobenzene	46.6700	5.0	0.27	50.0000		93.3	80 - 124			
2,2-Dichloropropane	57.8400	5.0	0.28	50.0000		116	72 - 135			
2-Chlorotoluene	45.6500	5.0	0.53	50.0000		91.3	81 - 127			
4-Chlorotoluene	46.7600	5.0	0.40	50.0000		93.5	83 - 127			
4-Isopropyltoluene	45.9600	5.0	0.81	50.0000		91.9	82 - 143			
Benzene	53.3000	5.0	0.36	50.0000		107	84 - 123			
Bromobenzene	46.5300	5.0	0.62	50.0000		93.1	80 - 122			
Bromochloromethane	58.4100	5.0	0.30	50.0000		117	83 - 127			
Bromodichloromethane	55.3800	5.0	0.52	50.0000		111	82 - 123			
Bromoform	47.8600	5.0	1.4	50.0000		95.7	80 - 132			
Bromomethane	53.5100	5.0	2.5	50.0000		107	67 - 176			
Carbon disulfide	54.8500	5.0	0.94	50.0000		110	75 - 138			
Carbon tetrachloride	51.9100	5.0	0.73	50.0000		104	76 - 131			
Chlorobenzene	48.9800	5.0	0.42	50.0000		98.0	84 - 119			
Chloroethane	65.9500	5.0	1.5	50.0000		132	56 - 170			
Chloroform	60.6400	5.0	0.24	50.0000		121	78 - 129			
Chloromethane	54.8000	5.0	1.1	50.0000		110	63 - 141			
cis-1,2-Dichloroethene	45.1200	5.0	0.20	50.0000		90.2	83 - 125			
cis-1,3-Dichloropropene	53.2900	5.0	0.39	50.0000		107	76 - 129			
Di-isopropyl ether	59.2400	5.0	1.9	50.0000		118	73 - 132			
Dibromochloromethane	49.7100	5.0	0.81	50.0000		99.4	81 - 120			
Dibromomethane	55.0100	5.0	0.23	50.0000		110	79 - 124			
Dichlorodifluoromethane	48.7600	5.0	0.14	50.0000		97.5	18 - 199			
Ethyl Acetate	53.2000	50	7.0	500.000		10.6	76 - 138			MO
Ethyl Ether	618.390	50	17	500.000		124	74 - 128			
Ethyl tert-butyl ether	55.8300	5.0	0.85	50.0000		112	50 - 175			
Ethylbenzene	49.4500	5.0	0.43	50.0000		98.9	86 - 130			
Freon-113	61.1300	5.0	1.3	50.0000		122	66 - 132			
Hexachlorobutadiene	45.6900	5.0	0.40	50.0000		91.4	64 - 135			
Isopropylbenzene	47.4300	5.0	0.79	50.0000		94.9	80 - 133			
m,p-Xylene	90.1000	10	0.98	100.000		90.1	89 - 133			
Methylene chloride	52.4300	5.0	2.2	50.0000		105	72 - 143			
MTBE	52.8600	5.0	0.81	50.0000		106	73 - 136			
n-Butylbenzene	47.3300	5.0	1.2	50.0000		94.7	76 - 144			
n-Propylbenzene	45.9100	5.0	0.78	50.0000		91.8	81 - 136			
Naphthalene	47.8500	5.0	1.1	50.0000		95.7	64 - 128			
o-Xylene	48.4000	5.0	0.67	50.0000		96.8	82 - 134			
sec-Butylbenzene	47.3200	5.0	0.63	50.0000		94.6	81 - 138			
Styrene	48.9700	5.0	0.45	50.0000		97.9	79 - 152			
tert-Amyl methyl ether	60.1900	5.0	1.1	50.0000		120	48 - 166			
tert-Butanol	309.200	100	11	250.000		124	48 - 148			



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1079 - MSVOA_S (continued)</b>										
<b>LCS (B2C1079-BS1) - Continued</b>					Prepared: 3/11/2022 Analyzed: 3/11/2022					
tert-Butylbenzene	45.6900	5.0	0.80	50.0000		91.4	81 - 135			
Tetrachloroethene	48.2900	5.0	0.31	50.0000		96.6	75 - 127			
Toluene	54.0500	5.0	0.27	50.0000		108	88 - 130			
trans-1,2-Dichloroethene	73.6100	5.0	0.56	50.0000		147	79 - 127			L5
trans-1,3-Dichloropropene	50.3700	5.0	0.59	50.0000		101	80 - 130			
Trichloroethene	52.6700	5.0	0.32	50.0000		105	83 - 126			
Trichlorofluoromethane	64.0900	5.0	1.0	50.0000		128	62 - 143			
Vinyl acetate	59.5700	5.0	6.0	500.000		11.9	69 - 150			MO
Vinyl chloride	59.5200	5.0	0.92	50.0000		119	69 - 140			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	55.92			50.0000		112	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	51.09			50.0000		102	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	55.82			50.0000		112	77 - 159
<i>Surrogate: Toluene-d8</i>	51.16			50.0000		102	81 - 128

<b>LCS Dup (B2C1079-BSD1)</b>					Prepared: 3/11/2022 Analyzed: 3/11/2022					
1,1,1,2-Tetrachloroethane	45.6700	5.0	0.52	50.0000		91.3	84 - 123	3.29	20	
1,1,1-Trichloroethane	59.1600	5.0	0.26	50.0000		118	78 - 133	3.68	20	
1,1,2,2-Tetrachloroethane	48.1000	5.0	0.21	50.0000		96.2	63 - 127	1.24	20	
1,1,2-Trichloroethane	54.0800	5.0	0.40	50.0000		108	80 - 125	1.55	20	
1,1-Dichloroethane	55.2000	5.0	1.4	50.0000		110	77 - 128	4.41	20	
1,1-Dichloroethene	51.4200	5.0	1.9	50.0000		103	69 - 138	5.12	20	
1,1-Dichloropropene	54.0000	5.0	0.54	50.0000		108	80 - 133	0.0185	20	
1,2,3-Trichloropropane	45.7600	5.0	0.40	50.0000		91.5	74 - 123	1.19	20	
1,2,3-Trichlorobenzene	46.1800	5.0	0.83	50.0000		92.4	79 - 133	1.13	20	
1,2,4-Trichlorobenzene	45.9100	5.0	0.80	50.0000		91.8	73 - 131	3.51	20	
1,2,4-Trimethylbenzene	45.7500	5.0	0.91	50.0000		91.5	86 - 137	1.37	20	
1,2-Dibromo-3-chloropropane	49.2100	10	1.1	50.0000		98.4	62 - 127	7.24	20	
1,2-Dibromoethane	54.8400	5.0	0.40	50.0000		110	83 - 126	2.46	20	
1,2-Dichlorobenzene	46.5800	5.0	0.21	50.0000		93.2	83 - 123	1.62	20	
1,2-Dichloroethane	53.8000	5.0	0.50	50.0000		108	76 - 128	5.27	20	
1,2-Dichloropropane	54.5400	5.0	0.46	50.0000		109	77 - 121	1.57	20	
1,3,5-Trimethylbenzene	44.6300	5.0	0.70	50.0000		89.3	84 - 135	1.67	20	
1,3-Dichlorobenzene	45.5000	5.0	0.36	50.0000		91.0	81 - 126	0.592	20	
1,3-Dichloropropane	48.1800	5.0	0.49	50.0000		96.4	80 - 118	3.11	20	
1,4-Dichlorobenzene	46.9500	5.0	0.27	50.0000		93.9	80 - 124	0.598	20	
2,2-Dichloropropane	53.8300	5.0	0.28	50.0000		108	72 - 135	7.18	20	
2-Chlorotoluene	45.4300	5.0	0.53	50.0000		90.9	81 - 127	0.483	20	
4-Chlorotoluene	46.7000	5.0	0.40	50.0000		93.4	83 - 127	0.128	20	
4-Isopropyltoluene	44.1300	5.0	0.81	50.0000		88.3	82 - 143	4.06	20	
Benzene	53.4300	5.0	0.36	50.0000		107	84 - 123	0.244	20	
Bromobenzene	47.0000	5.0	0.62	50.0000		94.0	80 - 122	1.01	20	
Bromochloromethane	57.5900	5.0	0.30	50.0000		115	83 - 127	1.41	20	
Bromodichloromethane	55.2800	5.0	0.52	50.0000		111	82 - 123	0.181	20	
Bromoform	46.5100	5.0	1.4	50.0000		93.0	80 - 132	2.86	20	
Bromomethane	51.0400	5.0	2.5	50.0000		102	67 - 176	4.73	20	





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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1079 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C1079-BSD1) - Continued</b>										
					Prepared: 3/11/2022 Analyzed: 3/11/2022					
Carbon disulfide	52.4900	5.0	0.94	50.0000		105	75 - 138	4.40	20	
Carbon tetrachloride	51.7100	5.0	0.73	50.0000		103	76 - 131	0.386	20	
Chlorobenzene	46.8500	5.0	0.42	50.0000		93.7	84 - 119	4.45	20	
Chloroethane	64.3700	5.0	1.5	50.0000		129	56 - 170	2.42	20	
Chloroform	57.1700	5.0	0.24	50.0000		114	78 - 129	5.89	20	
Chloromethane	52.6000	5.0	1.1	50.0000		105	63 - 141	4.10	20	
cis-1,2-Dichloroethene	43.3900	5.0	0.20	50.0000		86.8	83 - 125	3.91	20	
cis-1,3-Dichloropropene	51.9700	5.0	0.39	50.0000		104	76 - 129	2.51	20	
Di-isopropyl ether	57.5000	5.0	1.9	50.0000		115	73 - 132	2.98	20	
Dibromochloromethane	50.2700	5.0	0.81	50.0000		101	81 - 120	1.12	20	
Dibromomethane	55.6700	5.0	0.23	50.0000		111	79 - 124	1.19	20	
Dichlorodifluoromethane	44.7400	5.0	0.14	50.0000		89.5	18 - 199	8.60	20	
Ethyl Acetate	30.7200	50	7.0	500.000		6.14	76 - 138	53.6	20	MO
Ethyl Ether	595.830	50	17	500.000		119	74 - 128	3.72	20	
Ethyl tert-butyl ether	54.5300	5.0	0.85	50.0000		109	50 - 175	2.36	20	
Ethylbenzene	46.7700	5.0	0.43	50.0000		93.5	86 - 130	5.57	20	
Freon-113	59.1100	5.0	1.3	50.0000		118	66 - 132	3.36	20	
Hexachlorobutadiene	45.5100	5.0	0.40	50.0000		91.0	64 - 135	0.395	20	
Isopropylbenzene	46.0100	5.0	0.79	50.0000		92.0	80 - 133	3.04	20	
m,p-Xylene	87.1200	10	0.98	100.000		87.1	89 - 133	3.36	20	L3
Methylene chloride	51.0500	5.0	2.2	50.0000		102	72 - 143	2.67	20	
MTBE	52.0800	5.0	0.81	50.0000		104	73 - 136	1.49	20	
n-Butylbenzene	45.7300	5.0	1.2	50.0000		91.5	76 - 144	3.44	20	
n-Propylbenzene	44.6800	5.0	0.78	50.0000		89.4	81 - 136	2.72	20	
Naphthalene	47.9100	5.0	1.1	50.0000		95.8	64 - 128	0.125	20	
o-Xylene	47.1700	5.0	0.67	50.0000		94.3	82 - 134	2.57	20	
sec-Butylbenzene	46.1400	5.0	0.63	50.0000		92.3	81 - 138	2.53	20	
Styrene	47.5100	5.0	0.45	50.0000		95.0	79 - 152	3.03	20	
tert-Amyl methyl ether	59.4300	5.0	1.1	50.0000		119	48 - 166	1.27	20	
tert-Butanol	297.920	100	11	250.000		119	48 - 148	3.72	20	
tert-Butylbenzene	45.2700	5.0	0.80	50.0000		90.5	81 - 135	0.923	20	
Tetrachloroethene	46.4700	5.0	0.31	50.0000		92.9	75 - 127	3.84	20	
Toluene	53.1100	5.0	0.27	50.0000		106	88 - 130	1.75	20	
trans-1,2-Dichloroethene	69.7700	5.0	0.56	50.0000		140	79 - 127	5.36	20	L5
trans-1,3-Dichloropropene	50.1400	5.0	0.59	50.0000		100	80 - 130	0.458	20	
Trichloroethene	53.4600	5.0	0.32	50.0000		107	83 - 126	1.49	20	
Trichlorofluoromethane	59.5900	5.0	1.0	50.0000		119	62 - 143	7.28	20	
Vinyl acetate	36.7400	50	6.0	500.000		7.35	69 - 150	47.4	20	MO
Vinyl chloride	56.0900	5.0	0.92	50.0000		112	69 - 140	5.93	20	

Surrogate: 1,2-Dichloroethane-d4	51.14			50.0000		102	66 - 200			
Surrogate: 4-Bromofluorobenzene	50.68			50.0000		101	50 - 146			
Surrogate: Dibromofluoromethane	53.56			50.0000		107	77 - 159			
Surrogate: Toluene-d8	52.73			50.0000		105	81 - 128			



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0991 - MSSEMI\_NAL**

**Blank (B2C0991-BLK1)**

Prepared: 3/7/2022 Analyzed: 3/8/2022

1,2,4-Trichlorobenzene	ND	330	50						
1,2-Dichlorobenzene	ND	330	26						
1,3-Dichlorobenzene	ND	330	27						
1,4-Dichlorobenzene	ND	330	27						
2,4,5-Trichlorophenol	ND	330	30						
2,4,6-Trichlorophenol	ND	330	35						
2,4-Dichlorophenol	ND	1600	34						
2,4-Dimethylphenol	ND	330	26						
2,4-Dinitrophenol	ND	1600	86						
2,4-Dinitrotoluene	ND	330	33						
2,6-Dinitrotoluene	ND	330	49						
2-Chloronaphthalene	ND	330	28						
2-Chlorophenol	ND	330	31						
2-Methylnaphthalene	ND	330	27						
2-Methylphenol	ND	330	36						
2-Nitroaniline	ND	1600	43						
2-Nitrophenol	ND	330	45						
3,3'-Dichlorobenzidine	ND	660	280						
3-Nitroaniline	ND	1600	49						
4,6-Dinitro-2-methylphenol	ND	1600	41						
4-Bromophenyl-phenylether	ND	330	64						
4-Chloro-3-methylphenol	ND	660	71						
4-Chloroaniline	ND	660	53						
4-Chlorophenyl-phenylether	ND	330	33						
4-Methylphenol	ND	330	57						
4-Nitroaniline	ND	1600	37						
4-Nitrophenol	ND	330	64						
Acenaphthene	ND	330	43						
Acenaphthylene	ND	330	62						
Anthracene	ND	330	51						
Benzidine (M)	ND	1600	1400						
Benzo(a)anthracene	ND	330	44						
Benzo(a)pyrene	ND	330	64						
Benzo(b)fluoranthene	ND	330	65						
Benzo(g,h,i)perylene	ND	330	81						
Benzo(k)fluoranthene	ND	330	33						
Benzoic acid	ND	1600	890						
Benzyl alcohol	ND	660	32						
bis(2-chloroethoxy)methane	ND	330	64						
bis(2-Chloroethyl)ether	ND	330	66						
bis(2-chloroisopropyl)ether	ND	330	76						
bis(2-ethylhexyl)phthalate	ND	330	63						
Butylbenzylphthalate	ND	330	41						
Chrysene	ND	330	84						
Di-n-butylphthalate	ND	330	51						



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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0991 - MSSEMI\_NAL (continued)**

**Blank (B2C0991-BLK1) - Continued**

Prepared: 3/7/2022 Analyzed: 3/8/2022

Di-n-octylphthalate	ND	330	63						
Dibenz(a,h)anthracene	ND	330	45						
Dibenzofuran	ND	330	58						
Diethyl phthalate	ND	330	58						
Dimethyl phthalate	ND	330	40						
Fluoranthene	ND	330	60						
Fluorene	ND	330	110						
Hexachlorobenzene	ND	330	55						
Hexachlorobutadiene	ND	660	53						
Hexachlorocyclopentadiene	ND	660	70						
Hexachloroethane	ND	330	94						
Indeno(1,2,3-cd)pyrene	ND	330	75						
Isophorone	ND	330	85						
N-Nitroso-di-n propylamine	ND	330	60						
N-Nitrosodiphenylamine	ND	330	32						
Naphthalene	ND	330	56						
Nitrobenzene	ND	330	57						
Pentachlorophenol	ND	1600	50						
Phenanthrene	ND	330	67						
Phenol	ND	330	34						
Pyrene	ND	330	72						
Pyridine	ND	1600	270						

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	4793			6666.67	71.9	23 - 102			
<i>Surrogate: 2,4,6-Tribromophenol</i>	6353			10000.0	63.5	3 - 138			
<i>Surrogate: 2-Chlorophenol-d4</i>	7412			10000.0	74.1	18 - 105			
<i>Surrogate: 2-Fluorobiphenyl</i>	5201			6666.67	78.0	34 - 106			
<i>Surrogate: 2-Fluorophenol</i>	7121			10000.0	71.2	16 - 94			
<i>Surrogate: 4-Terphenyl-d14</i>	6857			6666.67	103	31 - 130			
<i>Surrogate: Nitrobenzene-d5</i>	4275			6666.67	64.1	23 - 102			
<i>Surrogate: Phenol-d6</i>	7018			10000.0	70.2	14 - 104			

**LCS (B2C0991-BS1)**

Prepared: 3/7/2022 Analyzed: 3/8/2022

1,2,4-Trichlorobenzene	5188.00	330	50	6666.67	77.8	41 - 104			
1,2-Dichlorobenzene	4638.67	330	26	6666.67	69.6	37 - 100			
1,3-Dichlorobenzene	4402.67	330	27	6666.67	66.0	36 - 98			
1,4-Dichlorobenzene	4416.67	330	27	6666.67	66.2	37 - 97			
2,4,5-Trichlorophenol	7137.33	330	30	6666.67	107	47 - 115			
2,4,6-Trichlorophenol	7204.00	330	35	6666.67	108	48 - 119			
2,4-Dichlorophenol	5481.33	1600	34	6666.67	82.2	46 - 118			
2,4-Dimethylphenol	5348.00	330	26	6666.67	80.2	41 - 114			
2,4-Dinitrophenol	4889.33	1600	86	6666.67	73.3	0 - 180			
2,4-Dinitrotoluene	6712.00	330	33	6666.67	101	40 - 138			
2,6-Dinitrotoluene	6242.00	330	49	6666.67	93.6	45 - 131			
2-Chloronaphthalene	5798.67	330	28	6666.67	87.0	46 - 112			
2-Chlorophenol	4994.00	330	31	6666.67	74.9	41 - 99			



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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0991 - MSSEMI\_NAL (continued)**

**LCS (B2C0991-BS1) - Continued**

Prepared: 3/7/2022 Analyzed: 3/8/2022

2-Methylnaphthalene	5549.33	330	27	6666.67		83.2	45 - 111			
2-Methylphenol	5391.33	330	36	6666.67		80.9	40 - 92			
2-Nitroaniline	5722.67	1600	43	6666.67		85.8	44 - 130			
2-Nitrophenol	5216.67	330	45	6666.67		78.2	34 - 114			
3,3'-Dichlorobenzidine	4796.67	660	280	6666.67		71.9	41 - 128			
3-Nitroaniline	6660.67	1600	49	6666.67		99.9	47 - 123			
4,6-Dinitro-2-methylphenol	6424.67	1600	41	6666.67		96.4	2 - 172			
4-Bromophenyl-phenylether	6353.33	330	64	6666.67		95.3	49 - 116			
4-Chloro-3-methylphenol	6244.00	660	71	6666.67		93.7	45 - 127			
4-Chloroaniline	6061.33	660	53	6666.67		90.9	50 - 106			
4-Chlorophenyl-phenylether	6539.33	330	33	6666.67		98.1	49 - 115			
4-Methylphenol	2758.67	330	57	3333.33		82.8	43 - 109			
4-Nitroaniline	7095.33	1600	37	6666.67		106	44 - 125			
4-Nitrophenol	5669.33	330	64	6666.67		85.0	30 - 146			
Acenaphthene	6205.33	330	43	6666.67		93.1	44 - 110			
Acenaphthylene	5988.67	330	62	6666.67		89.8	42 - 111			
Anthracene	6614.67	330	51	6666.67		99.2	41 - 117			
Benzidine (M)	2933.33	1600	1400	6666.67		44.0	0 - 189			
Benzo(a)anthracene	7187.33	330	44	6666.67		108	45 - 110			
Benzo(a)pyrene	7128.67	330	64	6666.67		107	45 - 116			
Benzo(b)fluoranthene	7074.67	330	65	6666.67		106	43 - 112			
Benzo(g,h,i)perylene	6464.00	330	81	6666.67		97.0	43 - 113			
Benzo(k)fluoranthene	6704.00	330	33	6666.67		101	42 - 114			
Benzoic acid	2905.33	1600	890	6666.67		43.6	0 - 134			
Benzyl alcohol	5469.33	660	32	6666.67		82.0	39 - 117			
bis(2-chloroethoxy)methane	5012.67	330	64	6666.67		75.2	43 - 102			
bis(2-Chloroethyl)ether	4189.33	330	66	6666.67		62.8	38 - 99			
bis(2-chloroisopropyl)ether	4178.67	330	76	6666.67		62.7	30 - 104			
bis(2-ethylhexyl)phthalate	5632.67	330	63	6666.67		84.5	49 - 123			
Butylbenzylphthalate	5846.67	330	41	6666.67		87.7	49 - 122			
Chrysene	7168.00	330	84	6666.67		108	46 - 111			
Di-n-butylphthalate	6838.00	330	51	6666.67		103	48 - 118			
Di-n-octylphthalate	6632.67	330	63	6666.67		99.5	46 - 131			
Dibenz(a,h)anthracene	6711.33	330	45	6666.67		101	43 - 113			
Dibenzofuran	6090.67	330	58	6666.67		91.4	50 - 113			
Diethyl phthalate	6192.00	330	58	6666.67		92.9	50 - 115			
Dimethyl phthalate	6496.00	330	40	6666.67		97.4	48 - 112			
Fluoranthene	7038.00	330	60	6666.67		106	40 - 119			
Fluorene	5904.67	330	110	6666.67		88.6	41 - 117			
Hexachlorobenzene	5568.00	330	55	6666.67		83.5	46 - 123			
Hexachlorobutadiene	5500.67	660	53	6666.67		82.5	37 - 104			
Hexachlorocyclopentadiene	5273.33	660	70	6666.67		79.1	30 - 128			
Hexachloroethane	4437.33	330	94	6666.67		66.6	38 - 103			
Indeno(1,2,3-cd)pyrene	6877.33	330	75	6666.67		103	43 - 113			
Isophorone	5338.00	330	85	6666.67		80.1	43 - 109			



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

## Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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### Batch B2C0991 - MSSEMI\_NAL (continued)

#### LCS (B2C0991-BS1) - Continued

Prepared: 3/7/2022 Analyzed: 3/8/2022

N-Nitroso-di-n propylamine	5256.67	330	60	6666.67		78.8	44 - 111			
N-Nitrosodiphenylamine	6530.67	330	32	6666.67		98.0	48 - 113			
Naphthalene	5262.00	330	56	6666.67		78.9	38 - 103			
Nitrobenzene	4538.67	330	57	6666.67		68.1	40 - 111			
Pentachlorophenol	6199.33	1600	50	6666.67		93.0	33 - 130			
Phenanthrene	6460.67	330	67	6666.67		96.9	42 - 119			
Phenol	4845.33	330	34	6666.67		72.7	43 - 104			
Pyrene	7407.33	330	72	6666.67		111	38 - 120			
Pyridine	2967.33	1600	270	6666.67		44.5	0 - 72			

Surrogate: 1,2-Dichlorobenzene-d4	4820			6666.67		72.3	23 - 102			
Surrogate: 2,4,6-Tribromophenol	8525			10000.0		85.3	3 - 138			
Surrogate: 2-Chlorophenol-d4	7603			10000.0		76.0	18 - 105			
Surrogate: 2-Fluorobiphenyl	5883			6666.67		88.2	34 - 106			
Surrogate: 2-Fluorophenol	6713			10000.0		67.1	16 - 94			
Surrogate: 4-Terphenyl-d14	6925			6666.67		104	31 - 130			
Surrogate: Nitrobenzene-d5	4750			6666.67		71.2	23 - 102			
Surrogate: Phenol-d6	7501			10000.0		75.0	14 - 104			

#### Matrix Spike (B2C0991-MS1)

Source: 2200301-13

Prepared: 3/7/2022 Analyzed: 3/8/2022

1,2,4-Trichlorobenzene	4602.00	330	50	6666.67	ND	69.0	35 - 113			
1,2-Dichlorobenzene	4472.67	330	26	6666.67	ND	67.1	32 - 102			
1,3-Dichlorobenzene	4337.33	330	27	6666.67	ND	65.1	32 - 100			
1,4-Dichlorobenzene	4343.33	330	27	6666.67	ND	65.1	33 - 97			
2,4,5-Trichlorophenol	6852.67	330	30	6666.67	ND	103	36 - 124			
2,4,6-Trichlorophenol	6660.00	330	35	6666.67	ND	99.9	37 - 130			
2,4-Dichlorophenol	4947.33	1600	34	6666.67	ND	74.2	32 - 130			
2,4-Dimethylphenol	4322.67	330	26	6666.67	ND	64.8	30 - 128			
2,4-Dinitrophenol	5050.67	1600	86	6666.67	ND	75.8	0 - 203			
2,4-Dinitrotoluene	6228.00	330	33	6666.67	ND	93.4	21 - 168			
2,6-Dinitrotoluene	6063.33	330	49	6666.67	ND	90.9	31 - 152			
2-Chloronaphthalene	5499.33	330	28	6666.67	ND	82.5	33 - 130			
2-Chlorophenol	4590.67	330	31	6666.67	ND	68.9	32 - 106			
2-Methylnaphthalene	4988.67	330	27	6666.67	ND	74.8	33 - 125			
2-Methylphenol	4666.00	330	36	6666.67	ND	70.0	34 - 96			
2-Nitroaniline	5544.00	1600	43	6666.67	ND	83.2	30 - 146			
2-Nitrophenol	4900.00	330	45	6666.67	ND	73.5	22 - 125			
3,3'-Dichlorobenzidine	4819.33	660	280	6666.67	ND	72.3	19 - 144			
3-Nitroaniline	6244.00	1600	49	6666.67	ND	93.7	36 - 133			
4,6-Dinitro-2-methylphenol	6642.00	1600	41	6666.67	ND	99.6	0 - 196			
4-Bromophenyl-phenylether	5750.00	330	64	6666.67	ND	86.2	41 - 121			
4-Chloro-3-methylphenol	5505.33	660	71	6666.67	ND	82.6	39 - 134			
4-Chloroaniline	5428.00	660	53	6666.67	ND	81.4	37 - 115			
4-Chlorophenyl-phenylether	6178.00	330	33	6666.67	ND	92.7	34 - 133			
4-Methylphenol	2515.33	330	57	3333.33	ND	75.5	34 - 121			
4-Nitroaniline	6384.00	1600	37	6666.67	ND	95.8	30 - 138			



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

## Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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### Batch B2C0991 - MSSEMI\_NAL (continued)

#### Matrix Spike (B2C0991-MS1) - Continued

Source: 2200301-13

Prepared: 3/7/2022 Analyzed: 3/8/2022

4-Nitrophenol	4778.67	330	64	6666.67	ND	71.7	5 - 154			
Acenaphthene	5389.33	330	43	6666.67	ND	80.8	33 - 121			
Acenaphthylene	5185.33	330	62	6666.67	ND	77.8	35 - 120			
Anthracene	6248.00	330	51	6666.67	ND	93.7	28 - 133			
Benzdine (M)	1756.67	1600	1400	6666.67	ND	26.4	8 - 175			
Benzo(a)anthracene	6526.67	330	44	6666.67	ND	97.9	32 - 127			
Benzo(a)pyrene	6977.33	330	64	6666.67	ND	105	35 - 127			
Benzo(b)fluoranthene	6875.33	330	65	6666.67	ND	103	29 - 126			
Benzo(g,h,i)perylene	6348.00	330	81	6666.67	ND	95.2	26 - 129			
Benzo(k)fluoranthene	6309.33	330	33	6666.67	ND	94.6	36 - 120			
Benzoic acid	3305.33	1600	890	6666.67	ND	49.6	0 - 208			
Benzyl alcohol	5011.33	660	32	6666.67	ND	75.2	32 - 120			
bis(2-chloroethoxy)methane	3566.00	330	64	6666.67	ND	53.5	34 - 108			
bis(2-Chloroethyl)ether	4166.67	330	66	6666.67	ND	62.5	34 - 100			
bis(2-chloroisopropyl)ether	3924.00	330	76	6666.67	ND	58.9	21 - 111			
bis(2-ethylhexyl)phthalate	5503.33	330	63	6666.67	ND	82.6	39 - 131			
Butylbenzylphthalate	5537.33	330	41	6666.67	ND	83.1	39 - 129			
Chrysene	6076.00	330	84	6666.67	ND	91.1	33 - 126			
Di-n-butylphthalate	6396.00	330	51	6666.67	ND	95.9	42 - 122			
Di-n-octylphthalate	6457.33	330	63	6666.67	ND	96.9	30 - 147			
Dibenz(a,h)anthracene	6662.00	330	45	6666.67	ND	99.9	30 - 126			
Dibenzofuran	5592.00	330	58	6666.67	ND	83.9	36 - 133			
Diethyl phthalate	5833.33	330	58	6666.67	ND	87.5	28 - 139			
Dimethyl phthalate	6124.00	330	40	6666.67	ND	91.9	32 - 129			
Fluoranthene	6430.67	330	60	6666.67	ND	96.5	23 - 140			
Fluorene	5541.33	330	110	6666.67	ND	83.1	32 - 130			
Hexachlorobenzene	5164.67	330	55	6666.67	ND	77.5	27 - 148			
Hexachlorobutadiene	5122.00	660	53	6666.67	ND	76.8	29 - 112			
Hexachlorocyclopentadiene	5052.67	660	70	6666.67	ND	75.8	13 - 147			
Hexachloroethane	4296.67	330	94	6666.67	ND	64.4	31 - 104			
Indeno(1,2,3-cd)pyrene	6778.00	330	75	6666.67	ND	102	21 - 137			
Isophorone	4998.00	330	85	6666.67	ND	75.0	34 - 112			
N-Nitroso-di-n propylamine	4644.67	330	60	6666.67	ND	69.7	36 - 115			
N-Nitrosodiphenylamine	6215.33	330	32	6666.67	ND	93.2	40 - 120			
Naphthalene	4793.33	330	56	6666.67	ND	71.9	33 - 108			
Nitrobenzene	4294.67	330	57	6666.67	ND	64.4	32 - 122			
Pentachlorophenol	5936.00	1600	50	6666.67	ND	89.0	0 - 151			
Phenanthrene	6158.00	330	67	6666.67	ND	92.4	40 - 122			
Phenol	4503.33	330	34	6666.67	ND	67.6	35 - 112			
Pyrene	7039.33	330	72	6666.67	ND	106	28 - 132			
Pyridine	4747.33	1600	270	6666.67	ND	71.2	5 - 107			

Surrogate: 1,2-Dichlorobenzene-d4	4611			6666.67		69.2	23 - 102			
Surrogate: 2,4,6-Tribromophenol	7465			10000.0		74.6	3 - 138			
Surrogate: 2-Chlorophenol-d4	7395			10000.0		74.0	18 - 105			
Surrogate: 2-Fluorobiphenyl	5487			6666.67		82.3	34 - 106			



## Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0991 - MSSEMI\_NAL (continued)**

**Matrix Spike (B2C0991-MS1) - Continued**

**Source: 2200301-13**

Prepared: 3/7/2022 Analyzed: 3/8/2022

Surrogate: 2-Fluorophenol	6542		10000.0		65.4	16 - 94			
Surrogate: 4-Terphenyl-d14	6520		6666.67		97.8	31 - 130			
Surrogate: Nitrobenzene-d5	4398		6666.67		66.0	23 - 102			
Surrogate: Phenol-d6	6882		10000.0		68.8	14 - 104			

**Matrix Spike Dup (B2C0991-MSD1)**

**Source: 2200301-13**

Prepared: 3/7/2022 Analyzed: 3/8/2022

1,2,4-Trichlorobenzene	5193.33	330	50	6666.67	ND	77.9	35 - 113	12.1	20
1,2-Dichlorobenzene	4481.33	330	26	6666.67	ND	67.2	32 - 102	0.194	20
1,3-Dichlorobenzene	4366.00	330	27	6666.67	ND	65.5	32 - 100	0.659	20
1,4-Dichlorobenzene	4488.67	330	27	6666.67	ND	67.3	33 - 97	3.29	20
2,4,5-Trichlorophenol	7177.33	330	30	6666.67	ND	108	36 - 124	4.63	20
2,4,6-Trichlorophenol	6881.33	330	35	6666.67	ND	103	37 - 130	3.27	20
2,4-Dichlorophenol	5478.00	1600	34	6666.67	ND	82.2	32 - 130	10.2	20
2,4-Dimethylphenol	4908.00	330	26	6666.67	ND	73.6	30 - 128	12.7	20
2,4-Dinitrophenol	5690.67	1600	86	6666.67	ND	85.4	0 - 203	11.9	20
2,4-Dinitrotoluene	6426.00	330	33	6666.67	ND	96.4	21 - 168	3.13	20
2,6-Dinitrotoluene	6373.33	330	49	6666.67	ND	95.6	31 - 152	4.99	20
2-Chloronaphthalene	5722.67	330	28	6666.67	ND	85.8	33 - 130	3.98	20
2-Chlorophenol	4942.00	330	31	6666.67	ND	74.1	32 - 106	7.37	20
2-Methylnaphthalene	5590.00	330	27	6666.67	ND	83.8	33 - 125	11.4	20
2-Methylphenol	5179.33	330	36	6666.67	ND	77.7	34 - 96	10.4	20
2-Nitroaniline	5696.00	1600	43	6666.67	ND	85.4	30 - 146	2.70	20
2-Nitrophenol	5531.33	330	45	6666.67	ND	83.0	22 - 125	12.1	20
3,3'-Dichlorobenzidine	5116.00	660	280	6666.67	ND	76.7	19 - 144	5.97	20
3-Nitroaniline	6484.67	1600	49	6666.67	ND	97.3	36 - 133	3.78	20
4,6-Dinitro-2-methylphenol	7696.00	1600	41	6666.67	ND	115	0 - 196	14.7	20
4-Bromophenyl-phenylether	6523.33	330	64	6666.67	ND	97.8	41 - 121	12.6	20
4-Chloro-3-methylphenol	6511.33	660	71	6666.67	ND	97.7	39 - 134	16.7	20
4-Chloroaniline	6588.00	660	53	6666.67	ND	98.8	37 - 115	19.3	20
4-Chlorophenyl-phenylether	6271.33	330	33	6666.67	ND	94.1	34 - 133	1.50	20
4-Methylphenol	2718.00	330	57	3333.33	ND	81.5	34 - 121	7.75	20
4-Nitroaniline	6629.33	1600	37	6666.67	ND	99.4	30 - 138	3.77	20
4-Nitrophenol	5322.00	330	64	6666.67	ND	79.8	5 - 154	10.8	20
Acenaphthene	6070.67	330	43	6666.67	ND	91.1	33 - 121	11.9	20
Acenaphthylene	5910.00	330	62	6666.67	ND	88.6	35 - 120	13.1	20
Anthracene	6992.00	330	51	6666.67	ND	105	28 - 133	11.2	20
Benzidine (M)	2345.33	1600	1400	6666.67	ND	35.2	8 - 175	28.7	20 R
Benzo(a)anthracene	7186.00	330	44	6666.67	ND	108	32 - 127	9.62	20
Benzo(a)pyrene	6997.33	330	64	6666.67	ND	105	35 - 127	0.286	20
Benzo(b)fluoranthene	7157.33	330	65	6666.67	ND	107	29 - 126	4.02	20
Benzo(g,h,i)perylene	6376.67	330	81	6666.67	ND	95.6	26 - 129	0.451	20
Benzo(k)fluoranthene	6591.33	330	33	6666.67	ND	98.9	36 - 120	4.37	20
Benzoic acid	3675.33	1600	890	6666.67	ND	55.1	0 - 208	10.6	20
Benzyl alcohol	5695.33	660	32	6666.67	ND	85.4	32 - 120	12.8	20
bis(2-chloroethoxy)methane	5194.00	330	64	6666.67	ND	77.9	34 - 108	37.2	20 R



## Certificate of Analysis

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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0991 - MSSEMI\_NAL (continued)**

**Matrix Spike Dup (B2C0991-MSD1) - Continued**

**Source: 2200301-13**

Prepared: 3/7/2022 Analyzed: 3/8/2022

bis(2-Chloroethyl)ether	4252.00	330	66	6666.67	ND	63.8	34 - 100	2.03	20	
bis(2-chloroisopropyl)ether	4076.67	330	76	6666.67	ND	61.2	21 - 111	3.82	20	
bis(2-ethylhexyl)phthalate	5800.00	330	63	6666.67	ND	87.0	39 - 131	5.25	20	
Butylbenzylphthalate	5946.67	330	41	6666.67	ND	89.2	39 - 129	7.13	20	
Chrysene	7102.00	330	84	6666.67	ND	107	33 - 126	15.6	20	
Di-n-butylphthalate	7142.67	330	51	6666.67	ND	107	42 - 122	11.0	20	
Di-n-octylphthalate	6726.67	330	63	6666.67	ND	101	30 - 147	4.09	20	
Dibenz(a,h)anthracene	6565.33	330	45	6666.67	ND	98.5	30 - 126	1.46	20	
Dibenzofuran	5780.00	330	58	6666.67	ND	86.7	36 - 133	3.31	20	
Diethyl phthalate	6033.33	330	58	6666.67	ND	90.5	28 - 139	3.37	20	
Dimethyl phthalate	6487.33	330	40	6666.67	ND	97.3	32 - 129	5.76	20	
Fluoranthene	7358.00	330	60	6666.67	ND	110	23 - 140	13.5	20	
Fluorene	5769.33	330	110	6666.67	ND	86.5	32 - 130	4.03	20	
Hexachlorobenzene	5777.33	330	55	6666.67	ND	86.7	27 - 148	11.2	20	
Hexachlorobutadiene	5542.00	660	53	6666.67	ND	83.1	29 - 112	7.88	20	
Hexachlorocyclopentadiene	5278.00	660	70	6666.67	ND	79.2	13 - 147	4.36	20	
Hexachloroethane	4428.67	330	94	6666.67	ND	66.4	31 - 104	3.03	20	
Indeno(1,2,3-cd)pyrene	6691.33	330	75	6666.67	ND	100	21 - 137	1.29	20	
Isophorone	5754.00	330	85	6666.67	ND	86.3	34 - 112	14.1	20	
N-Nitroso-di-n propylamine	5129.33	330	60	6666.67	ND	76.9	36 - 115	9.92	20	
N-Nitrosodiphenylamine	7292.00	330	32	6666.67	ND	109	40 - 120	15.9	20	
Naphthalene	5372.67	330	56	6666.67	ND	80.6	33 - 108	11.4	20	
Nitrobenzene	4698.67	330	57	6666.67	ND	70.5	32 - 122	8.98	20	
Pentachlorophenol	6668.00	1600	50	6666.67	ND	100	0 - 151	11.6	20	
Phenanthrene	6446.67	330	67	6666.67	ND	96.7	40 - 122	4.58	20	
Phenol	4739.33	330	34	6666.67	ND	71.1	35 - 112	5.11	20	
Pyrene	7493.33	330	72	6666.67	ND	112	28 - 132	6.25	20	
Pyridine	4794.67	1600	270	6666.67	ND	71.9	5 - 107	0.992	20	

Surrogate: 1,2-Dichlorobenzene-d4	4485			6666.67		67.3	23 - 102			
Surrogate: 2,4,6-Tribromophenol	8210			10000.0		82.1	3 - 138			
Surrogate: 2-Chlorophenol-d4	7423			10000.0		74.2	18 - 105			
Surrogate: 2-Fluorobiphenyl	5752			6666.67		86.3	34 - 106			
Surrogate: 2-Fluorophenol	6588			10000.0		65.9	16 - 94			
Surrogate: 4-Terphenyl-d14	6743			6666.67		101	31 - 130			
Surrogate: Nitrobenzene-d5	4900			6666.67		73.5	23 - 102			
Surrogate: Phenol-d6	7235			10000.0		72.4	14 - 104			





2200301

3.0°C

<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070 TEL: (949) 679-1070 E-MAIL: vprobino@gsi-net.com / jvoss@gsi-net.com		<b>PROJECT NAME:</b> Ontario Airport		<b>PROJECT NO.:</b> 5925																																																																																																																																																																																																																																																												
<b>PROJECT CONTACT:</b> Vinnie Robino / Josh Voss		<b>LAB CONTACT:</b> Victoria Michel		<b>SAMPLER(S): (PRINT)</b> JCV, JHW																																																																																																																																																																																																																																																												
<b>GLOBAL ID:</b> vprobino@gsi-net.com / jvoss@gsi-net.com		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.																																																																																																																																																																																																																																																														
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<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070 TEL: (949) 679-1070 E-MAIL: yprobino@gsi-net.com / jvoss@gsi-net.com	<b>PROJECT NAME:</b> Ontario Airport <b>PROJECT CONTACT:</b> Winnie Robino / Josh Voss <b>GLOBAL ID:</b>	<b>PROJECT NO.:</b> 5925 <b>LAB CONTACT:</b> Victoria Michel <b>SAMPLER(S): (PRINT)</b> JCV, JHM																																																																																																	
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**Enviro – Chem, Inc.**

**1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907**

Date: March 14, 2022

Mr. Jerald Ancheta  
Advanced Technology Laboratories  
3275 Walnut Avenue  
Signal Hill, CA 90755  
Tel: (562) 989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

Project: **Work Order 2200301**  
Lab I.D.: **220308-28**

Dear Mr. Ancheta:

The **analytical results** for the soil sample , received by our lab on March 8, 2022, are attached. The sample was received chilled, intact and accompanying chain of custody record.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,



Curtis Desilets  
Vice President/Program Manager



Pearl Wong  
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDS File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

**Enviro - Chem, Inc.**

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

**LABORATORY REPORT**

CUSTOMER: **Advanced Technology Laboratories**  
3275 Walnut Avenue, Signal Hill, CA 90755  
Tel: (562) 989-4045 E-Mail: [Jerald.Ancheta@ATLGlobal.com](mailto:Jerald.Ancheta@ATLGlobal.com)

PROJECT: **Work Order: 2200301**

MATRIX: SOIL

DATE SAMPLED: 03/04/22

REPORT TO: MR. JERALD ANCHETA

DATE RECEIVED: 03/08/22

DATE EXTRACTED: 03/09-10/22

DATE ANALYZED: 03/10/22

DATE REPORTED: 03/14/22

SAMPLE I.D.: **ATL Lab#: 2200301-12 / 61W-1-8-1**

LAB I.D.: 220308-28

**Chlorinated Herbicides Analysis**

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

**COMMENTS:**

DF = Dilution Factor

MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755
TEL(562)989-4045 E-Mail: Carmen.Aguila@ATLGlobal.com

PROJECT: Work Order: 2200301

MATRIX:SOIL DATE RECEIVED:03/08/22
DATE SAMPLED:03/04/22 DATE EXTRACTED:03/09-10/22
REPORT TO:MR. JERALD ANCHETA DATE ANALYZED:03/10/22
DATE REPORTED:03/14/22

METHOD BLANK FOR LAB I.D.: 220308-28

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

Table with 5 columns: PARAMETER, SAMPLE RESULT, PQL, MDL, DF. Rows include 2,4,5-T, 2,4,5-TP (Silvex), 2,4-D, 2,4-DB, Dalapon (Dichloroacetic Acid), Dicamba, Dichloroprop, Dinoseb (DNBP), MCPA, and MCPP.

COMMENTS:

DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: [Signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

# QA/QC Report

## Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid**

Date Analyzed: **3/10~11/2022**

Unit: **mg/Kg (PPM)**

**Matrix Spike (MS)/Matrix Spike Duplicate (MSD)**

**Spiked Sample Lab I.D.: 220307-10 MS/MSD**

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.050	0.050	100%	0.057	114%	13%	0-20%	50-150

**Lab Control Spike (LCS) Recovery:**

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.050	0.043	86%	70-130
2,4,5-TP	0.050	0.052	105%	70-130
Dinoseb	0.250	0.260	104%	70-130

**Surrogate Recovery:**

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
<b>Sample ID:</b>		M-BLK	220307-9	220307-10	220308-28				
DCAA	50-150	104%	98%	103%	124%				
<b>Sample ID:</b>									
DCAA	50-150								
<b>Sample ID:</b>									
DCAA	50-150								

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

\* = Surrogate fail due to matrix interference (If Marked)

Note: LCS, MS, MSD are in control therefore results are in control.

Analyzed and Reviewed By: Amy

Final Reviewer: oo

**SUBCONTRACT ORDER**

**Work Order: 2200301**

**SENDING LABORATORY:**

Advanced Technology Laboratories  
 3275 Walnut Avenue  
 Signal Hill, CA 90755  
 Phone: 562.989.4045  
 Fax: 562.989.6348  
 Project Manager: Jerald Ancheta  
 (Jerald.Ancheta@atlglobal.com)  
 Sampler: \_Client Sampler

**RECEIVING LABORATORY:**

Enviro-Chem, Inc.  
 1214 East Lexington Avenue  
 Pomona, CA 91766  
 Phone : (909) 590-5905  
 Fax:  
 PO#: SC16074

**IMPORTANT : Please 'J-Flag' results to MDL. Please include Work Order # and PO # in your invoice.**

**QC Requirements:**

- Routine       MS/MSD
- Caltrans       Level IV\*
- DUP             Other: \_\_\_\_\_

**TAT Requirements:**

- Standard
- Rush \_\_\_\_\_ Days
- Fastest Possible

**EDD Requirements:**

- Standard Excel
- Geotracker EDF
- EQuis
- Other: \_\_\_\_\_

\* All Level IV sample containers (including empty ones) must be returned to ATL 30 days after receipt.

Analysis	Expires	Sampled	Comments
ATL Lab#: 2200301-12 / 61W-1-8-1 8151_SUB [Chlorinated Herbicides]	Soil	03/04/22 12:10	Glass Jar - 2 oz
<div style="font-size: 2em; font-family: cursive;">             ( 220318 -28 )           </div>	03/18/22 12:10		

Prepared by: [Signature]      3/7/22  
 Sample Control Technician      Date

Inspected by: [Signature]      3/7/22  
 PM Lead / SC Lead      Date

Approved by: [Signature]      3/7/2022  
 Dedicated ATL Project Manager      Date

[Signature]      3/8/22 12:15  
 Released By ATL Sample Control      Date      Time

Received By Courier      Date      Time

Released By Courier      Date      Time

[Signature]      03/08/22      16:00  
 Released By      Date      Time

[Signature]      03/08/22      12:15  
 Received By Subcontract Laboratory      Date      Time

Received By      Date      Time

May 12, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

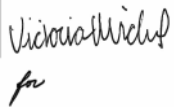
Re: ATL Work Order Number : 2200307

Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 07, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 05/12/22 15:41 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.





## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
68-20-2-1	2200307-01	Soil	3/07/22 8:12	3/07/22 16:59
68-20-2-5.5	2200307-02	Soil	3/07/22 8:20	3/07/22 16:59
68-20-3-1	2200307-03	Soil	3/07/22 8:52	3/07/22 16:59
68-20-3-5.5	2200307-04	Soil	3/07/22 9:04	3/07/22 16:59
68-17-4-1	2200307-05	Soil	3/07/22 9:38	3/07/22 16:59
68-17-4-3	2200307-06	Soil	3/07/22 9:46	3/07/22 16:59
68-6-1-1	2200307-07	Soil	3/07/22 10:30	3/07/22 16:59
68-6-1-5.5	2200307-08	Soil	3/07/22 10:40	3/07/22 16:59
68-7-2-1	2200307-09	Soil	3/07/22 11:20	3/07/22 16:59
68-7-2-5.5	2200307-10	Soil	3/07/22 11:30	3/07/22 16:59
68-6-2-1	2200307-11	Soil	3/07/22 13:02	3/07/22 16:59
68-6-2-5.5	2200307-12	Soil	3/07/22 13:13	3/07/22 16:59
68-7-1-1	2200307-13	Soil	3/07/22 13:35	3/07/22 16:59
68-7-1-5.5	2200307-14	Soil	3/07/22 13:55	3/07/22 16:59
TB_20220307	2200307-15	Water	3/07/22 13:20	3/07/22 16:59



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### Notes and Definitions

S1	Surrogate recovery was above laboratory acceptance limit. No associated target analyte was detected in the sample.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200307-01	68-20-2-1	ND	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22	14:10	
2200307-03	68-20-3-1	ND	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22	14:23	
2200307-07	68-6-1-1	ND	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22	14:26	
2200307-09	68-7-2-1	ND	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22	14:30	
2200307-11	68-6-2-1	ND	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22	14:33	
2200307-13	68-7-1-1	ND	mg/kg	0.10	1	B2C1000	03/08/2022	03/10/22	14:44	

Client Sample ID: 68-20-2-1

Lab ID: 2200307-01

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time		Notes
						Analized		
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22	13:47	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
<b>Barium</b>	<b>85</b>	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
<b>Cobalt</b>	<b>4.5</b>	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
<b>Copper</b>	<b>13</b>	2.0	1	B2C0998	03/09/2022	03/10/22	13:47	
<b>Lead</b>	<b>5.2</b>	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
<b>Nickel</b>	<b>5.7</b>	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
<b>Selenium</b>	<b>1.4</b>	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
<b>Silver</b>	<b>4.8</b>	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
<b>Vanadium</b>	<b>28</b>	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	
<b>Zinc</b>	<b>34</b>	1.0	1	B2C0998	03/09/2022	03/10/22	13:47	



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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 68-20-2-5.5**  
**Lab ID: 2200307-02**

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:28	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>70.1 %</i>	<i>12 - 125</i>		B2C1149	03/14/2022	<i>03/14/22 23:28</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>83.8 %</i>	<i>14 - 139</i>		B2C1149	03/14/2022	<i>03/14/22 23:28</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>63.7 %</i>	<i>8 - 155</i>		B2C1149	03/14/2022	<i>03/14/22 23:28</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>121 %</i>	<i>16 - 152</i>		B2C1149	03/14/2022	<i>03/14/22 23:28</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 03:04	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 03:04	
<i>Surrogate: p-Terphenyl</i>	<i>110 %</i>	<i>62 - 141</i>		B2C1020	03/08/2022	<i>03/09/22 03:04</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,1,1-Trichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,1,2-Trichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-20-2-5.5**  
**Lab ID: 2200307-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,1-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,1-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2,3-Trichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2-Dibromoethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2-Dichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,2-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,3-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,3-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
1,4-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
2,2-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
2-Chlorotoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
4-Chlorotoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
4-Isopropyltoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Benzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Bromobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Bromochloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Bromodichloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Bromoform	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Bromomethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Carbon disulfide	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Carbon tetrachloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Chlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Chloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Chloroform	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Chloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Di-isopropyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Dibromochloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Dibromomethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Dichlorodifluoromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Ethyl Acetate	ND	47	1	B2C1077	03/11/2022	03/11/22 12:59	
Ethyl Ether	ND	47	1	B2C1077	03/11/2022	03/11/22 12:59	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-20-2-5.5**  
**Lab ID: 2200307-02**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Ethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Freon-113	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Hexachlorobutadiene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Isopropylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
m,p-Xylene	ND	9.4	1	B2C1077	03/11/2022	03/11/22 12:59	
Methylene chloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
MTBE	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
n-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
n-Propylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Naphthalene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
o-Xylene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
sec-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Styrene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
tert-Amyl methyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
tert-Butanol	ND	94	1	B2C1077	03/11/2022	03/11/22 12:59	
tert-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Tetrachloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Toluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Trichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Trichlorofluoromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
Vinyl acetate	ND	47	1	B2C1077	03/11/2022	03/11/22 12:59	
Vinyl chloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 12:59	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>165 %</i>	<i>66 - 200</i>		B2C1077	03/11/2022	<i>03/11/22 12:59</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>108 %</i>	<i>50 - 146</i>		B2C1077	03/11/2022	<i>03/11/22 12:59</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>111 %</i>	<i>77 - 159</i>		B2C1077	03/11/2022	<i>03/11/22 12:59</i>	
<i>Surrogate: Toluene-d8</i>	<i>111 %</i>	<i>81 - 128</i>		B2C1077	03/11/2022	<i>03/11/22 12:59</i>	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.97	1	B2C1113	03/13/2022	03/13/22 09:23	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.5 %</i>	<i>47.6 - 121.18</i>		B2C1113	03/13/2022	<i>03/13/22 09:23</i>	



### Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 68-20-3-1**  
**Lab ID: 2200307-03**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
<b>Barium</b>	<b>84</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
<b>Beryllium</b>	<b>2.3</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
<b>Cobalt</b>	<b>4.6</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
<b>Copper</b>	<b>12</b>	2.0	1	B2C0998	03/09/2022	03/10/22 13:49	
<b>Lead</b>	<b>2.6</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
<b>Nickel</b>	<b>5.4</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Selenium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
<b>Silver</b>	<b>4.8</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
<b>Vanadium</b>	<b>28</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	
<b>Zinc</b>	<b>31</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:49	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-20-3-5.5**

**Lab ID: 2200307-04**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

**Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/14/22 23:54	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>58.6 %</i>	<i>12 - 125</i>		B2C1149	03/14/2022	<i>03/14/22 23:54</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>75.4 %</i>	<i>14 - 139</i>		B2C1149	03/14/2022	<i>03/14/22 23:54</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>55.1 %</i>	<i>8 - 155</i>		B2C1149	03/14/2022	<i>03/14/22 23:54</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>111 %</i>	<i>16 - 152</i>		B2C1149	03/14/2022	<i>03/14/22 23:54</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 03:26	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 03:26	
<i>Surrogate: p-Terphenyl</i>	<i>141 %</i>	<i>62 - 141</i>		B2C1020	03/08/2022	<i>03/09/22 03:26</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,1,1-Trichloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,1,2,2-Tetrachloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,1,2-Trichloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	





# Certificate of Analysis

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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-20-3-5.5**  
**Lab ID: 2200307-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,1-Dichloroethene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,1-Dichloropropene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2,3-Trichloropropane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2,3-Trichlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2,4-Trichlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2,4-Trimethylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2-Dibromoethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2-Dichlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2-Dichloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,2-Dichloropropane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,3,5-Trimethylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,3-Dichlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,3-Dichloropropane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
1,4-Dichlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
2,2-Dichloropropane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
2-Chlorotoluene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
4-Chlorotoluene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
4-Isopropyltoluene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Benzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Bromobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Bromochloromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Bromodichloromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Bromoform	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Bromomethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Carbon disulfide	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Carbon tetrachloride	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Chlorobenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Chloroethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Chloroform	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Chloromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
cis-1,2-Dichloroethene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
cis-1,3-Dichloropropene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Di-isopropyl ether	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Dibromochloromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Dibromomethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Dichlorodifluoromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Ethyl Acetate	ND	55	1	B2C1077	03/11/2022	03/11/22 13:25	
Ethyl Ether	ND	55	1	B2C1077	03/11/2022	03/11/22 13:25	



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-20-3-5.5**

**Lab ID: 2200307-04**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Ethylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Freon-113	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Hexachlorobutadiene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Isopropylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
m,p-Xylene	ND	11	1	B2C1077	03/11/2022	03/11/22 13:25	
Methylene chloride	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
MTBE	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
n-Butylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
n-Propylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Naphthalene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
o-Xylene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
sec-Butylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Styrene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
tert-Amyl methyl ether	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
tert-Butanol	ND	110	1	B2C1077	03/11/2022	03/11/22 13:25	
tert-Butylbenzene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Tetrachloroethene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Toluene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
trans-1,2-Dichloroethene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
trans-1,3-Dichloropropene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Trichloroethene	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Trichlorofluoromethane	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
Vinyl acetate	ND	55	1	B2C1077	03/11/2022	03/11/22 13:25	
Vinyl chloride	ND	5.5	1	B2C1077	03/11/2022	03/11/22 13:25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>141 %</i>	<i>66 - 200</i>		B2C1077	03/11/2022	<i>03/11/22 13:25</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>103 %</i>	<i>50 - 146</i>		B2C1077	03/11/2022	<i>03/11/22 13:25</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	<i>77 - 159</i>		B2C1077	03/11/2022	<i>03/11/22 13:25</i>	
<i>Surrogate: Toluene-d8</i>	<i>109 %</i>	<i>81 - 128</i>		B2C1077	03/11/2022	<i>03/11/22 13:25</i>	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C1113	03/13/2022	03/13/22 09:48	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>85.4 %</i>	<i>47.6 - 121.18</i>		B2C1113	03/13/2022	<i>03/13/22 09:48</i>	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-17-4-1**  
**Lab ID: 2200307-05**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 03:47	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 03:47	
<i>Surrogate: p-Terphenyl</i>	<i>103 %</i>	<i>62 - 141</i>		B2C1020	03/08/2022	<i>03/09/22 03:47</i>	

### Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1221	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1232	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1242	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1248	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1254	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
Aroclor 1260	ND	16	1	B2C1010	03/08/2022	03/09/22 18:50	
<i>Surrogate: Decachlorobiphenyl</i>	<i>61.2 %</i>	<i>0 - 87</i>		B2C1010	03/08/2022	<i>03/09/22 18:50</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>54.8 %</i>	<i>0 - 103</i>		B2C1010	03/08/2022	<i>03/09/22 18:50</i>	

### Gasoline Range Hydrocarbons by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C6-C12	ND	1.0	1	B2C1152	03/15/2022	03/15/22 03:37	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.3 %</i>	<i>47.6 - 121.18</i>		B2C1152	03/15/2022	<i>03/15/22 03:37</i>	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-6-1-1**

**Lab ID: 2200307-07**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
<b>Barium</b>	<b>110</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
<b>Beryllium</b>	<b>3.0</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
<b>Chromium</b>	<b>17</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
<b>Cobalt</b>	<b>6.3</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
<b>Copper</b>	<b>14</b>	2.0	1	B2C0998	03/09/2022	03/10/22 13:51	
<b>Lead</b>	<b>3.2</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Nickel	7.4	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Selenium	1.1	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Silver	5.9	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
<b>Vanadium</b>	<b>36</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	
Zinc	41	1.0	1	B2C0998	03/09/2022	03/10/22 13:51	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-6-1-5.5**  
**Lab ID: 2200307-08**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:20	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>62.8 %</i>	<i>12 - 125</i>		B2C1149	03/14/2022	<i>03/15/22 00:20</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>80.0 %</i>	<i>14 - 139</i>		B2C1149	03/14/2022	<i>03/15/22 00:20</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>61.8 %</i>	<i>8 - 155</i>		B2C1149	03/14/2022	<i>03/15/22 00:20</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>107 %</i>	<i>16 - 152</i>		B2C1149	03/14/2022	<i>03/15/22 00:20</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 04:08	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 04:08	
<i>Surrogate: p-Terphenyl</i>	<i>142 %</i>	<i>62 - 141</i>		B2C1020	03/08/2022	<i>03/09/22 04:08</i>	S1

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,1,1-Trichloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,1,2-Trichloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-6-1-5.5**  
**Lab ID: 2200307-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,1-Dichloroethene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,1-Dichloropropene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2,3-Trichloropropane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2-Dibromoethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2-Dichlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2-Dichloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,2-Dichloropropane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,3-Dichlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,3-Dichloropropane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
1,4-Dichlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
2,2-Dichloropropane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
2-Chlorotoluene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
4-Chlorotoluene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
4-Isopropyltoluene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Benzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Bromobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Bromochloromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Bromodichloromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Bromoform	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Bromomethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Carbon disulfide	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Carbon tetrachloride	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Chlorobenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Chloroethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Chloroform	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Chloromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
cis-1,2-Dichloroethene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
cis-1,3-Dichloropropene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Di-isopropyl ether	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Dibromochloromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Dibromomethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Dichlorodifluoromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Ethyl Acetate	ND	51	1	B2C1077	03/11/2022	03/11/22 13:50	
Ethyl Ether	ND	51	1	B2C1077	03/11/2022	03/11/22 13:50	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-6-1-5.5**  
**Lab ID: 2200307-08**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Ethylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Freon-113	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Hexachlorobutadiene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Isopropylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
m,p-Xylene	ND	10	1	B2C1077	03/11/2022	03/11/22 13:50	
Methylene chloride	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
MTBE	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
n-Butylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
n-Propylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Naphthalene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
o-Xylene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
sec-Butylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Styrene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
tert-Amyl methyl ether	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
tert-Butanol	ND	100	1	B2C1077	03/11/2022	03/11/22 13:50	
tert-Butylbenzene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Tetrachloroethene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Toluene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
trans-1,2-Dichloroethene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
trans-1,3-Dichloropropene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Trichloroethene	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Trichlorofluoromethane	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
Vinyl acetate	ND	51	1	B2C1077	03/11/2022	03/11/22 13:50	
Vinyl chloride	ND	5.1	1	B2C1077	03/11/2022	03/11/22 13:50	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>149 %</i>	<i>66 - 200</i>		B2C1077	03/11/2022	<i>03/11/22 13:50</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>103 %</i>	<i>50 - 146</i>		B2C1077	03/11/2022	<i>03/11/22 13:50</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>103 %</i>	<i>77 - 159</i>		B2C1077	03/11/2022	<i>03/11/22 13:50</i>	
<i>Surrogate: Toluene-d8</i>	<i>112 %</i>	<i>81 - 128</i>		B2C1077	03/11/2022	<i>03/11/22 13:50</i>	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.90	1	B2C1113	03/13/2022	03/13/22 10:12	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.9 %</i>	<i>47.6 - 121.18</i>		B2C1113	03/13/2022	<i>03/13/22 10:12</i>	



# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-7-2-1**  
**Lab ID: 2200307-09**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
<b>Barium</b>	<b>120</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
<b>Beryllium</b>	<b>3.3</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
<b>Chromium</b>	<b>18</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
<b>Cobalt</b>	<b>7.2</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
<b>Copper</b>	<b>16</b>	2.0	1	B2C0998	03/09/2022	03/10/22 13:53	
<b>Lead</b>	<b>4.1</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
<b>Nickel</b>	<b>8.4</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
<b>Selenium</b>	<b>2.4</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
<b>Silver</b>	<b>6.6</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
<b>Vanadium</b>	<b>39</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	
<b>Zinc</b>	<b>46</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:53	





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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 68-7-2-5.5**  
**Lab ID: 2200307-10**

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 00:45	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>67.1 %</i>	<i>12 - 125</i>		B2C1149	03/14/2022	<i>03/15/22 00:45</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>85.2 %</i>	<i>14 - 139</i>		B2C1149	03/14/2022	<i>03/15/22 00:45</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>65.0 %</i>	<i>8 - 155</i>		B2C1149	03/14/2022	<i>03/15/22 00:45</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>114 %</i>	<i>16 - 152</i>		B2C1149	03/14/2022	<i>03/15/22 00:45</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 04:30	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 04:30	
<i>Surrogate: p-Terphenyl</i>	<i>119 %</i>	<i>62 - 141</i>		B2C1020	03/08/2022	<i>03/09/22 04:30</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,1,1-Trichloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,1,2-Trichloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	



# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-7-2-5.5**  
**Lab ID: 2200307-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,1-Dichloroethene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,1-Dichloropropene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2,3-Trichloropropane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2-Dibromoethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2-Dichlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2-Dichloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,2-Dichloropropane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,3-Dichlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,3-Dichloropropane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
1,4-Dichlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
2,2-Dichloropropane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
2-Chlorotoluene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
4-Chlorotoluene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
4-Isopropyltoluene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Benzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Bromobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Bromochloromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Bromodichloromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Bromoform	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Bromomethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Carbon disulfide	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Carbon tetrachloride	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Chlorobenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Chloroethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Chloroform	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Chloromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Di-isopropyl ether	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Dibromochloromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Dibromomethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Dichlorodifluoromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Ethyl Acetate	ND	43	1	B2C1077	03/11/2022	03/11/22 14:16	
Ethyl Ether	ND	43	1	B2C1077	03/11/2022	03/11/22 14:16	



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

**Client Sample ID: 68-7-2-5.5**  
**Lab ID: 2200307-10**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Ethylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Freon-113	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Hexachlorobutadiene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Isopropylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
m,p-Xylene	ND	8.6	1	B2C1077	03/11/2022	03/11/22 14:16	
Methylene chloride	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
MTBE	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
n-Butylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
n-Propylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Naphthalene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
o-Xylene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
sec-Butylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Styrene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
tert-Amyl methyl ether	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
tert-Butanol	ND	86	1	B2C1077	03/11/2022	03/11/22 14:16	
tert-Butylbenzene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Tetrachloroethene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Toluene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Trichloroethene	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Trichlorofluoromethane	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
Vinyl acetate	ND	43	1	B2C1077	03/11/2022	03/11/22 14:16	
Vinyl chloride	ND	4.3	1	B2C1077	03/11/2022	03/11/22 14:16	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>175 %</i>	<i>66 - 200</i>		B2C1077	03/11/2022	<i>03/11/22 14:16</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>106 %</i>	<i>50 - 146</i>		B2C1077	03/11/2022	<i>03/11/22 14:16</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>120 %</i>	<i>77 - 159</i>		B2C1077	03/11/2022	<i>03/11/22 14:16</i>	
<i>Surrogate: Toluene-d8</i>	<i>110 %</i>	<i>81 - 128</i>		B2C1077	03/11/2022	<i>03/11/22 14:16</i>	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C1113	03/13/2022	03/13/22 10:37	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.3 %</i>	<i>47.6 - 121.18</i>		B2C1113	03/13/2022	<i>03/13/22 10:37</i>	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-6-2-1**  
**Lab ID: 2200307-11**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
<b>Barium</b>	<b>110</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
<b>Beryllium</b>	<b>3.1</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
<b>Chromium</b>	<b>17</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
<b>Cobalt</b>	<b>6.5</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
<b>Copper</b>	<b>13</b>	2.0	1	B2C0998	03/09/2022	03/10/22 13:55	
<b>Lead</b>	<b>3.6</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
<b>Nickel</b>	<b>7.2</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
<b>Selenium</b>	<b>1.7</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
<b>Silver</b>	<b>6.2</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
<b>Vanadium</b>	<b>37</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	
<b>Zinc</b>	<b>43</b>	1.0	1	B2C0998	03/09/2022	03/10/22 13:55	



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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-6-2-5.5**  
**Lab ID: 2200307-12**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:12	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>69.7 %</i>	<i>12 - 125</i>		B2C1149	03/14/2022	<i>03/15/22 01:12</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>84.0 %</i>	<i>14 - 139</i>		B2C1149	03/14/2022	<i>03/15/22 01:12</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>65.1 %</i>	<i>8 - 155</i>		B2C1149	03/14/2022	<i>03/15/22 01:12</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>117 %</i>	<i>16 - 152</i>		B2C1149	03/14/2022	<i>03/15/22 01:12</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 04:51	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 04:51	
<i>Surrogate: p-Terphenyl</i>	<i>138 %</i>	<i>62 - 141</i>		B2C1020	03/08/2022	<i>03/09/22 04:51</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,1,1-Trichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,1,2-Trichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: 68-6-2-5.5**

**Lab ID: 2200307-12**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,1-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,1-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2,3-Trichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2-Dibromo-3-chloropropane	ND	9.5	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2-Dibromoethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2-Dichloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,2-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,3-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,3-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
1,4-Dichlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
2,2-Dichloropropane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
2-Chlorotoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
4-Chlorotoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
4-Isopropyltoluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Benzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Bromobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Bromochloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Bromodichloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Bromoform	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Bromomethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Carbon disulfide	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Carbon tetrachloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Chlorobenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Chloroethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Chloroform	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Chloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Di-isopropyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Dibromochloromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Dibromomethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Dichlorodifluoromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Ethyl Acetate	ND	47	1	B2C1077	03/11/2022	03/11/22 14:42	
Ethyl Ether	ND	47	1	B2C1077	03/11/2022	03/11/22 14:42	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-6-2-5.5**  
**Lab ID: 2200307-12**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Ethylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Freon-113	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Hexachlorobutadiene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Isopropylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
m,p-Xylene	ND	9.5	1	B2C1077	03/11/2022	03/11/22 14:42	
Methylene chloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
MTBE	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
n-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
n-Propylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Naphthalene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
o-Xylene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
sec-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Styrene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
tert-Amyl methyl ether	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
tert-Butanol	ND	95	1	B2C1077	03/11/2022	03/11/22 14:42	
tert-Butylbenzene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Tetrachloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Toluene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Trichloroethene	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Trichlorofluoromethane	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
Vinyl acetate	ND	47	1	B2C1077	03/11/2022	03/11/22 14:42	
Vinyl chloride	ND	4.7	1	B2C1077	03/11/2022	03/11/22 14:42	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>155 %</i>	<i>66 - 200</i>		B2C1077	03/11/2022	<i>03/11/22 14:42</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>104 %</i>	<i>50 - 146</i>		B2C1077	03/11/2022	<i>03/11/22 14:42</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>110 %</i>	<i>77 - 159</i>		B2C1077	03/11/2022	<i>03/11/22 14:42</i>	
<i>Surrogate: Toluene-d8</i>	<i>107 %</i>	<i>81 - 128</i>		B2C1077	03/11/2022	<i>03/11/22 14:42</i>	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1113	03/13/2022	03/13/22 11:01	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.3 %</i>	<i>47.6 - 121.18</i>		B2C1113	03/13/2022	<i>03/13/22 11:01</i>	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-7-1-1**  
**Lab ID: 2200307-13**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Arsenic	ND	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
<b>Barium</b>	<b>69</b>	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
<b>Beryllium</b>	<b>1.9</b>	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Cadmium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
<b>Chromium</b>	<b>11</b>	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
<b>Cobalt</b>	<b>4.6</b>	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
<b>Copper</b>	<b>8.9</b>	2.0	1	B2C0998	03/09/2022	03/10/22 14:02	
<b>Lead</b>	<b>2.6</b>	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Molybdenum	ND	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
<b>Nickel</b>	<b>5.0</b>	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Selenium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
<b>Silver</b>	<b>3.7</b>	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
Thallium	ND	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
<b>Vanadium</b>	<b>24</b>	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	
<b>Zinc</b>	<b>29</b>	1.0	1	B2C0998	03/09/2022	03/10/22 14:02	





## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 68-7-1-5.5**  
**Lab ID: 2200307-14**

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 01:37	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	71.6 %	12 - 125		B2C1149	03/14/2022	03/15/22 01:37	
<i>Surrogate: 2-Fluorobiphenyl</i>	84.2 %	14 - 139		B2C1149	03/14/2022	03/15/22 01:37	
<i>Surrogate: Nitrobenzene-d5</i>	64.7 %	8 - 155		B2C1149	03/14/2022	03/15/22 01:37	
<i>Surrogate: 4-Terphenyl-d14</i>	118 %	16 - 152		B2C1149	03/14/2022	03/15/22 01:37	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1020	03/08/2022	03/09/22 05:12	
C23-C32	ND	10	1	B2C1020	03/08/2022	03/09/22 05:12	
<i>Surrogate: p-Terphenyl</i>	122 %	62 - 141		B2C1020	03/08/2022	03/09/22 05:12	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,1,1-Trichloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,1,2-Trichloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

Client Sample ID: 68-7-1-5.5  
 Lab ID: 2200307-14

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,1-Dichloroethene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,1-Dichloropropene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2,3-Trichloropropane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2-Dibromo-3-chloropropane	ND	9.2	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2-Dibromoethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2-Dichlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2-Dichloroethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,2-Dichloropropane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,3-Dichlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,3-Dichloropropane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
1,4-Dichlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
2,2-Dichloropropane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
2-Chlorotoluene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
4-Chlorotoluene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
4-Isopropyltoluene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Benzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Bromobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Bromochloromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Bromodichloromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Bromoform	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Bromomethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Carbon disulfide	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Carbon tetrachloride	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Chlorobenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
<b>Chloroethane</b>	<b>17</b>	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Chloroform	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Chloromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Di-isopropyl ether	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Dibromochloromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Dibromomethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Dichlorodifluoromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Ethyl Acetate	ND	46	1	B2C1077	03/11/2022	03/11/22 15:07	
Ethyl Ether	ND	46	1	B2C1077	03/11/2022	03/11/22 15:07	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-7-1-5.5**  
**Lab ID: 2200307-14**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Ethylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Freon-113	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Hexachlorobutadiene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Isopropylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
m,p-Xylene	ND	9.2	1	B2C1077	03/11/2022	03/11/22 15:07	
Methylene chloride	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
MTBE	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
n-Butylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
n-Propylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Naphthalene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
o-Xylene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
sec-Butylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Styrene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
tert-Amyl methyl ether	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
tert-Butanol	ND	92	1	B2C1077	03/11/2022	03/11/22 15:07	
tert-Butylbenzene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Tetrachloroethene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Toluene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Trichloroethene	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Trichlorofluoromethane	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
Vinyl acetate	ND	46	1	B2C1077	03/11/2022	03/11/22 15:07	
Vinyl chloride	ND	4.6	1	B2C1077	03/11/2022	03/11/22 15:07	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>161 %</i>	<i>66 - 200</i>		B2C1077	03/11/2022	<i>03/11/22 15:07</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>50 - 146</i>		B2C1077	03/11/2022	<i>03/11/22 15:07</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>108 %</i>	<i>77 - 159</i>		B2C1077	03/11/2022	<i>03/11/22 15:07</i>	
<i>Surrogate: Toluene-d8</i>	<i>112 %</i>	<i>81 - 128</i>		B2C1077	03/11/2022	<i>03/11/22 15:07</i>	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C1113	03/13/2022	03/13/22 11:26	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.0 %</i>	<i>47.6 - 121.18</i>		B2C1113	03/13/2022	<i>03/13/22 11:26</i>	



## Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### QUALITY CONTROL SECTION

#### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1149 - MSSEMI\_S**

**Blank (B2C1149-BLK1)**

Prepared: 3/14/2022 Analyzed: 3/14/2022

2-Methylnaphthalene	ND	5.0	0.60
Acenaphthene	ND	5.0	0.41
Acenaphthylene	ND	5.0	0.41
Anthracene	ND	5.0	0.56
Benzo(a)anthracene	ND	5.0	0.56
Benzo(a)pyrene	ND	5.0	0.69
Benzo(b)fluoranthene	ND	5.0	2.2
Benzo(g,h,i)perylene	ND	5.0	0.80
Benzo(k)fluoranthene	ND	5.0	0.70
Chrysene	ND	5.0	0.61
Dibenz(a,h)anthracene	ND	5.0	0.88
Fluoranthene	ND	5.0	0.45
Fluorene	ND	5.0	0.35
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82
Naphthalene	ND	5.0	0.56
Phenanthrene	ND	5.0	0.34
Pyrene	ND	5.0	0.51

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	21.80		33.3333	65.4	12 - 125
<i>Surrogate: 2-Fluorobiphenyl</i>	26.94		33.3333	80.8	14 - 139
<i>Surrogate: Nitrobenzene-d5</i>	15.54		33.3333	46.6	8 - 155
<i>Surrogate: 4-Terphenyl-d14</i>	39.03		33.3333	117	16 - 152

**LCS (B2C1149-BS1)**

Prepared: 3/14/2022 Analyzed: 3/14/2022

2-Methylnaphthalene	23.0107	5.0	0.60	33.3333	69.0	39 - 92
Acenaphthene	26.6737	5.0	0.41	33.3333	80.0	35 - 94
Acenaphthylene	29.3323	5.0	0.41	33.3333	88.0	31 - 101
Anthracene	23.4793	5.0	0.56	33.3333	70.4	37 - 95
Benzo(a)anthracene	26.5360	5.0	0.56	33.3333	79.6	43 - 102
Benzo(a)pyrene	27.0590	5.0	0.69	33.3333	81.2	38 - 95
Benzo(b)fluoranthene	28.9413	5.0	2.2	33.3333	86.8	44 - 102
Benzo(g,h,i)perylene	23.5337	5.0	0.80	33.3333	70.6	34 - 114
Benzo(k)fluoranthene	27.0187	5.0	0.70	33.3333	81.1	34 - 110
Chrysene	30.3950	5.0	0.61	33.3333	91.2	46 - 101
Dibenz(a,h)anthracene	23.8210	5.0	0.88	33.3333	71.5	35 - 117
Fluoranthene	28.1763	5.0	0.45	33.3333	84.5	46 - 107
Fluorene	27.9957	5.0	0.35	33.3333	84.0	35 - 98
Indeno(1,2,3-cd)pyrene	24.2050	5.0	0.82	33.3333	72.6	35 - 114
Naphthalene	23.5307	5.0	0.56	33.3333	70.6	39 - 86
Phenanthrene	27.7383	5.0	0.34	33.3333	83.2	43 - 98
Pyrene	28.3930	5.0	0.51	33.3333	85.2	44 - 108

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	23.08		33.3333	69.2	12 - 125
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## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1149 - MSSEMI\_S (continued)**

**LCS (B2C1149-BS1) - Continued**

Prepared: 3/14/2022 Analyzed: 3/14/2022

Surrogate: 2-Fluorobiphenyl	26.75	33.3333	80.3	14 - 139
Surrogate: Nitrobenzene-d5	21.65	33.3333	65.0	8 - 155
Surrogate: 4-Terphenyl-d14	33.48	33.3333	100	16 - 152

**Matrix Spike (B2C1149-MS1)**

**Source: 2200307-10**

Prepared: 3/14/2022 Analyzed: 3/14/2022

2-Methylnaphthalene	24.6897	5.0	0.60	33.3333	ND	74.1	43 - 120
Acenaphthene	30.1083	5.0	0.41	33.3333	ND	90.3	52 - 113
Acenaphthylene	30.6713	5.0	0.41	33.3333	ND	92.0	44 - 126
Anthracene	27.9053	5.0	0.56	33.3333	ND	83.7	49 - 128
Benzo(a)anthracene	29.1493	5.0	0.56	33.3333	ND	87.4	32 - 158
Benzo(a)pyrene	27.2937	5.0	0.69	33.3333	ND	81.9	39 - 137
Benzo(b)fluoranthene	31.1577	5.0	2.2	33.3333	ND	93.5	52 - 132
Benzo(g,h,i)perylene	27.3143	5.0	0.80	33.3333	ND	81.9	35 - 162
Benzo(k)fluoranthene	30.0907	5.0	0.70	33.3333	ND	90.3	18 - 153
Chrysene	33.2883	5.0	0.61	33.3333	ND	99.9	25 - 160
Dibenz(a,h)anthracene	27.0950	5.0	0.88	33.3333	ND	81.3	41 - 155
Fluoranthene	30.7537	5.0	0.45	33.3333	ND	92.3	5 - 185
Fluorene	29.2517	5.0	0.35	33.3333	ND	87.8	28 - 135
Indeno(1,2,3-cd)pyrene	27.4323	5.0	0.82	33.3333	ND	82.3	36 - 162
Naphthalene	25.6073	5.0	0.56	33.3333	ND	76.8	41 - 113
Phenanthrene	30.0330	5.0	0.34	33.3333	ND	90.1	35 - 143
Pyrene	31.0980	5.0	0.51	33.3333	ND	93.3	10 - 184

Surrogate: 1,2-Dichlorobenzene-d4	25.23	33.3333	75.7	12 - 125
Surrogate: 2-Fluorobiphenyl	28.33	33.3333	85.0	14 - 139
Surrogate: Nitrobenzene-d5	24.93	33.3333	74.8	8 - 155
Surrogate: 4-Terphenyl-d14	37.57	33.3333	113	16 - 152

**Matrix Spike Dup (B2C1149-MSD1)**

**Source: 2200307-10**

Prepared: 3/14/2022 Analyzed: 3/14/2022

2-Methylnaphthalene	21.2197	5.0	0.60	33.3333	ND	63.7	43 - 120	15.1	20
Acenaphthene	25.1877	5.0	0.41	33.3333	ND	75.6	52 - 113	17.8	20
Acenaphthylene	28.0250	5.0	0.41	33.3333	ND	84.1	44 - 126	9.02	20
Anthracene	24.8657	5.0	0.56	33.3333	ND	74.6	49 - 128	11.5	20
Benzo(a)anthracene	25.6723	5.0	0.56	33.3333	ND	77.0	32 - 158	12.7	20
Benzo(a)pyrene	24.1357	5.0	0.69	33.3333	ND	72.4	39 - 137	12.3	20
Benzo(b)fluoranthene	27.3750	5.0	2.2	33.3333	ND	82.1	52 - 132	12.9	20
Benzo(g,h,i)perylene	24.0880	5.0	0.80	33.3333	ND	72.3	35 - 162	12.6	20
Benzo(k)fluoranthene	25.7330	5.0	0.70	33.3333	ND	77.2	18 - 153	15.6	20
Chrysene	28.6320	5.0	0.61	33.3333	ND	85.9	25 - 160	15.0	20
Dibenz(a,h)anthracene	22.0493	5.0	0.88	33.3333	ND	66.1	41 - 155	20.5	20 R
Fluoranthene	28.8287	5.0	0.45	33.3333	ND	86.5	5 - 185	6.46	20
Fluorene	26.7893	5.0	0.35	33.3333	ND	80.4	28 - 135	8.79	20
Indeno(1,2,3-cd)pyrene	23.2723	5.0	0.82	33.3333	ND	69.8	36 - 162	16.4	20
Naphthalene	22.2973	5.0	0.56	33.3333	ND	66.9	41 - 113	13.8	20
Phenanthrene	24.4213	5.0	0.34	33.3333	ND	73.3	35 - 143	20.6	20 R
Pyrene	29.1253	5.0	0.51	33.3333	ND	87.4	10 - 184	6.55	20



## Certificate of Analysis

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### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1149 - MSSEMI\_S (continued)**

**Matrix Spike Dup (B2C1149-MSD1) - Continued**

**Source: 2200307-10**

Prepared: 3/14/2022 Analyzed: 3/14/2022

Surrogate: 1,2-Dichlorobenzene-d4	19.21		33.3333		57.6	12 - 125
Surrogate: 2-Fluorobiphenyl	23.23		33.3333		69.7	14 - 139
Surrogate: Nitrobenzene-d5	20.99		33.3333		63.0	8 - 155
Surrogate: 4-Terphenyl-d14	32.25		33.3333		96.7	16 - 152



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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD Limit	Notes
<b>Batch B2C1113 - GCVOA_S</b>								
<b>Blank (B2C1113-BLK1)</b>					Prepared: 3/13/2022 Analyzed: 3/13/2022			
C4-C12	ND	1.0	0.13					
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6856</i>			<i>0.800000</i>		<i>85.7</i>	<i>47.6 - 121.18</i>	
<b>LCS (B2C1113-BS1)</b>					Prepared: 3/13/2022 Analyzed: 3/13/2022			
Gasoline Range Organics	6.48500	1.0	0.13	5.00000		130	68.69 - 124.04	L5
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7330</i>			<i>0.800000</i>		<i>91.6</i>	<i>47.6 - 121.18</i>	
<b>LCS Dup (B2C1113-BSD1)</b>					Prepared: 3/13/2022 Analyzed: 3/13/2022			
Gasoline Range Organics	6.67200	1.0	0.13	5.00000		133	68.69 - 124.04	2.84 20 L5
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6877</i>			<i>0.800000</i>		<i>86.0</i>	<i>47.6 - 121.18</i>	



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### Gasoline Range Hydrocarbons by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1152 - GCVOA_S</b>										
<b>Blank (B2C1152-BLK1)</b>										
						Prepared: 3/15/2022 Analyzed: 3/15/2022				
C6-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6919</i>			<i>0.800000</i>		<i>86.5</i>	<i>47.6 - 121.18</i>			
<b>LCS (B2C1152-BS1)</b>										
						Prepared: 3/15/2022 Analyzed: 3/15/2022				
Gasoline Range Organics	5.74600	1.0	0.13	5.00000		115	68.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7734</i>			<i>0.800000</i>		<i>96.7</i>	<i>47.6 - 121.18</i>			
<b>LCS Dup (B2C1152-BSD1)</b>										
						Prepared: 3/15/2022 Analyzed: 3/15/2022				
Gasoline Range Organics	5.63400	1.0	0.13	5.00000		113	68.69 - 124.04	1.97	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7505</i>			<i>0.800000</i>		<i>93.8</i>	<i>47.6 - 121.18</i>			





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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C0998 - EPA 3050B\_S**

**Blank (B2C0998-BLK1)**

Prepared: 3/8/2022 Analyzed: 3/10/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

**LCS (B2C0998-BS1)**

Prepared: 3/8/2022 Analyzed: 3/10/2022

Antimony	24.3825	2.0	0.51	25.0000	97.5	80 - 120
Arsenic	23.6670	1.0	0.12	25.0000	94.7	80 - 120
Barium	24.3631	1.0	0.12	25.0000	97.5	80 - 120
Beryllium	25.5230	1.0	0.03	25.0100	102	80 - 120
Cadmium	24.2410	1.0	0.14	25.0000	97.0	80 - 120
Chromium	25.4216	1.0	0.26	25.0000	102	80 - 120
Cobalt	26.4981	1.0	0.07	25.0000	106	80 - 120
Copper	25.1230	2.0	0.19	25.0000	100	80 - 120
Lead	24.5395	1.0	0.18	25.0000	98.2	80 - 120
Molybdenum	25.4814	1.0	0.12	25.0000	102	80 - 120
Nickel	24.7267	1.0	0.18	25.0000	98.9	80 - 120
Selenium	24.2986	1.0	0.40	25.0000	97.2	80 - 120
Silver	11.8688	1.0	0.12	12.5000	95.0	80 - 120
Thallium	24.0603	1.0	0.38	25.0000	96.2	80 - 120
Vanadium	25.0982	1.0	0.06	25.0000	100	80 - 120
Zinc	24.0894	1.0	0.15	25.0000	96.4	80 - 120

**Matrix Spike (B2C0998-MS1)**

**Source: 2200306-18**

Prepared: 3/8/2022 Analyzed: 3/10/2022

Antimony	8.99032	2.0	0.51	25.0000	0.767699	32.9	0 - 102
Arsenic	21.8225	1.0	0.12	25.0000	1.15705	82.7	55 - 117
Barium	158.461	1.0	0.12	25.0000	154.542	15.7	11 - 177
Beryllium	21.6015	1.0	0.03	25.0100	2.52953	76.3	64 - 115
Cadmium	20.8251	1.0	0.14	25.0000	0.649616	80.7	62 - 116
Chromium	45.6958	1.0	0.26	25.0000	24.2971	85.6	42 - 145
Cobalt	32.8511	1.0	0.07	25.0000	10.9267	87.7	60 - 126
Copper	44.6293	2.0	0.19	25.0000	20.3937	96.9	37 - 163
Lead	26.3390	1.0	0.18	25.0000	6.40960	79.7	26 - 161



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C0998 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C0998-MS1) - Continued**

**Source: 2200306-18**

Prepared: 3/8/2022 Analyzed: 3/10/2022

Molybdenum	20.2870	1.0	0.12	25.0000	0.835638	77.8	31 - 122			
Nickel	33.5444	1.0	0.18	25.0000	15.2025	73.4	52 - 130			
Selenium	24.2934	1.0	0.40	25.0000	2.81860	85.9	25 - 129			
Silver	14.5617	1.0	0.12	12.5000	4.20929	82.8	48 - 133			
Thallium	18.7028	1.0	0.38	25.0000	ND	74.8	25 - 119			
Vanadium	59.6018	1.0	0.06	25.0000	38.4505	84.6	51 - 141			
Zinc	76.9880	1.0	0.15	25.0000	57.3615	78.5	8 - 170			

**Matrix Spike Dup (B2C0998-MSD1)**

**Source: 2200306-18**

Prepared: 3/8/2022 Analyzed: 3/10/2022

Antimony	9.24372	2.0	0.51	25.0000	0.767699	33.9	0 - 102	2.78	20	
Arsenic	21.6531	1.0	0.12	25.0000	1.15705	82.0	55 - 117	0.779	20	
Barium	166.466	1.0	0.12	25.0000	154.542	47.7	11 - 177	4.93	20	
Beryllium	22.0546	1.0	0.03	25.0100	2.52953	78.1	64 - 115	2.08	20	
Cadmium	21.2185	1.0	0.14	25.0000	0.649616	82.3	62 - 116	1.87	20	
Chromium	46.0856	1.0	0.26	25.0000	24.2971	87.2	42 - 145	0.849	20	
Cobalt	33.0930	1.0	0.07	25.0000	10.9267	88.7	60 - 126	0.734	20	
Copper	44.4820	2.0	0.19	25.0000	20.3937	96.4	37 - 163	0.331	20	
Lead	26.6552	1.0	0.18	25.0000	6.40960	81.0	26 - 161	1.19	20	
Molybdenum	20.7878	1.0	0.12	25.0000	0.835638	79.8	31 - 122	2.44	20	
Nickel	33.1697	1.0	0.18	25.0000	15.2025	71.9	52 - 130	1.12	20	
Selenium	23.8123	1.0	0.40	25.0000	2.81860	84.0	25 - 129	2.00	20	
Silver	15.0971	1.0	0.12	12.5000	4.20929	87.1	48 - 133	3.61	20	
Thallium	19.4044	1.0	0.38	25.0000	ND	77.6	25 - 119	3.68	20	
Vanadium	60.6695	1.0	0.06	25.0000	38.4505	88.9	51 - 141	1.78	20	
Zinc	78.9828	1.0	0.15	25.0000	57.3615	86.5	8 - 170	2.56	20	



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### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1000 - EPA 7471_S</b>										
<b>Blank (B2C1000-BLK1)</b>										
										Prepared: 3/8/2022 Analyzed: 3/10/2022
Mercury	ND	0.10	0.01							
<b>LCS (B2C1000-BS1)</b>										
										Prepared: 3/8/2022 Analyzed: 3/10/2022
Mercury	0.395171	0.10	0.01	0.416667		94.8	80 - 120			
<b>Matrix Spike (B2C1000-MS1)</b>										
										Source: 2200307-01 Prepared: 3/8/2022 Analyzed: 3/10/2022
Mercury	0.465905	0.10	0.01	0.416667	0.034296	104	70 - 130			
<b>Matrix Spike Dup (B2C1000-MSD1)</b>										
										Source: 2200307-01 Prepared: 3/8/2022 Analyzed: 3/10/2022
Mercury	0.479818	0.10	0.01	0.416667	0.034296	107	70 - 130	2.94	20	



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Reported : 05/12/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1000 - EPA 7471\_S**

**Post Spike (B2C1000-PS1)**

**Source: 2200307-01**

Prepared: 3/8/2022 Analyzed: 3/10/2022

Mercury	0.005884		5.00000E-3	0.000412	109	85 - 115			
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Project Number : Ontario Airport / 5925  
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### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes	
<b>Batch B2C1020 - GCSEMI_DRO_S</b>											
<b>Blank (B2C1020-BLK1)</b>					Prepared: 3/8/2022 Analyzed: 3/8/2022						
C13-C23	ND	10	3.6								
C23-C32	ND	10	3.6								
<hr/>											
<i>Surrogate: p-Terphenyl</i>	93.20			80.0000		117	62 - 141				
<b>LCS (B2C1020-BS1)</b>					Prepared: 3/8/2022 Analyzed: 3/8/2022						
DRO	985.537	10	3.6	1000.00		98.6	56 - 139				
<hr/>											
<i>Surrogate: p-Terphenyl</i>	95.67			80.0000		120	62 - 141				
<b>Matrix Spike (B2C1020-MS1)</b>					<b>Source: 2200310-01</b>			Prepared: 3/8/2022 Analyzed: 3/8/2022			
DRO	978.148	10	3.6	1000.00	15.8340	96.2	38 - 161				
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<i>Surrogate: p-Terphenyl</i>	100.3			80.0000		125	62 - 141				
<b>Matrix Spike Dup (B2C1020-MSD1)</b>					<b>Source: 2200310-01</b>			Prepared: 3/8/2022 Analyzed: 3/8/2022			
DRO	978.425	10	3.6	1000.00	15.8340	96.3	38 - 161	0.0283	20		
<hr/>											
<i>Surrogate: p-Terphenyl</i>	97.99			80.0000		122	62 - 141				



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### Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes	
<b>Batch B2C1010 - GCSEMI_PCB/PEST_S</b>											
<b>Blank (B2C1010-BLK1)</b>					Prepared: 3/8/2022 Analyzed: 3/8/2022						
Aroclor 1016	ND	16	1.9								
Aroclor 1221	ND	16	1.9								
Aroclor 1232	ND	16	1.9								
Aroclor 1242	ND	16	1.9								
Aroclor 1248	ND	16	1.9								
Aroclor 1254	ND	16	1.9								
Aroclor 1260	ND	16	1.9								
<i>Surrogate: Decachlorobiphenyl</i>	9.606			16.6667		57.6	0 - 87				
<i>Surrogate: Tetrachloro-m-xylene</i>	10.71			16.6667		64.2	0 - 103				
<b>Blank (B2C1010-BLK2)</b>					Prepared: 3/8/2022 Analyzed: 3/9/2022						
Aroclor 1016	ND	16	1.9								
Aroclor 1221	ND	16	1.9								
Aroclor 1232	ND	16	1.9								
Aroclor 1242	ND	16	1.9								
Aroclor 1248	ND	16	1.9								
Aroclor 1254	ND	16	1.9								
Aroclor 1260	ND	16	1.9								
<i>Surrogate: Decachlorobiphenyl</i>	8.972			16.6667		53.8	0 - 87				
<i>Surrogate: Tetrachloro-m-xylene</i>	7.916			16.6667		47.5	0 - 103				
<b>LCS (B2C1010-BS1)</b>					Prepared: 3/8/2022 Analyzed: 3/8/2022						
Aroclor 1016	112.976	16	1.9	166.667		67.8	11 - 108				
Aroclor 1260	113.380	16	1.9	166.667		68.0	19 - 112				
<i>Surrogate: Decachlorobiphenyl</i>	9.464			16.6667		56.8	0 - 87				
<i>Surrogate: Tetrachloro-m-xylene</i>	10.75			16.6667		64.5	0 - 103				
<b>LCS (B2C1010-BS2)</b>					Prepared: 3/8/2022 Analyzed: 3/9/2022						
Aroclor 1016	74.0312	16	1.9	166.667		44.4	11 - 108				
Aroclor 1260	94.3393	16	1.9	166.667		56.6	19 - 112				
<i>Surrogate: Decachlorobiphenyl</i>	8.987			16.6667		53.9	0 - 87				
<i>Surrogate: Tetrachloro-m-xylene</i>	7.703			16.6667		46.2	0 - 103				
<b>Matrix Spike (B2C1010-MS1)</b>					<b>Source: 2200308-03</b>			Prepared: 3/8/2022 Analyzed: 3/8/2022			
Aroclor 1016	118.228	16	1.9	166.667	ND	70.9	0 - 135				
Aroclor 1260	124.500	16	1.9	166.667	9.42633	69.0	0 - 127				
<i>Surrogate: Decachlorobiphenyl</i>	10.20			16.6667		61.2	0 - 87				
<i>Surrogate: Tetrachloro-m-xylene</i>	11.69			16.6667		70.2	0 - 103				
<b>Matrix Spike Dup (B2C1010-MSD1)</b>					<b>Source: 2200308-03</b>			Prepared: 3/8/2022 Analyzed: 3/8/2022			
Aroclor 1016	122.692	16	1.9	166.667	ND	73.6	0 - 135	3.71	20		
Aroclor 1260	126.334	16	1.9	166.667	9.42633	70.1	0 - 127	1.46	20		
<i>Surrogate: Decachlorobiphenyl</i>	10.15			16.6667		60.9	0 - 87				
<i>Surrogate: Tetrachloro-m-xylene</i>	11.32			16.6667		67.9	0 - 103				



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#### Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B2C1010 - GCSEMI\_PCB/PEST\_S (continued)

Matrix Spike Dup (B2C1010-MSD1) - Continued

Source: 2200308-03

Prepared: 3/8/2022 Analyzed: 3/8/2022



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Project Number : Ontario Airport / 5925  
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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1077 - MSVOA\_S**

**Blank (B2C1077-BLK1)**

Prepared: 3/11/2022 Analyzed: 3/11/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						





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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1077 - MSVOA\_S (continued)**

**Blank (B2C1077-BLK1) - Continued**

Prepared: 3/11/2022 Analyzed: 3/11/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

Surrogate: 1,2-Dichloroethane-d4	73.53		50.0000	147	66 - 200
Surrogate: 4-Bromofluorobenzene	53.58		50.0000	107	50 - 146
Surrogate: Dibromofluoromethane	55.66		50.0000	111	77 - 159
Surrogate: Toluene-d8	55.53		50.0000	111	81 - 128

**LCS (B2C1077-BS1)**

Prepared: 3/11/2022 Analyzed: 3/11/2022

1,1,1,2-Tetrachloroethane	47.9100	5.0	0.52	50.0000	95.8	84 - 123
1,1,1-Trichloroethane	65.0600	5.0	0.26	50.0000	130	78 - 133
1,1,2,2-Tetrachloroethane	42.2700	5.0	0.21	50.0000	84.5	63 - 127
1,1,2-Trichloroethane	47.1100	5.0	0.40	50.0000	94.2	80 - 125
1,1-Dichloroethane	51.9100	5.0	1.4	50.0000	104	77 - 128
1,1-Dichloroethene	49.9100	5.0	1.9	50.0000	99.8	69 - 138
1,1-Dichloropropene	48.0200	5.0	0.54	50.0000	96.0	80 - 133
1,2,3-Trichloropropane	44.7600	5.0	0.40	50.0000	89.5	74 - 123
1,2,3-Trichlorobenzene	46.8500	5.0	0.83	50.0000	93.7	79 - 133
1,2,4-Trichlorobenzene	48.4500	5.0	0.80	50.0000	96.9	73 - 131
1,2,4-Trimethylbenzene	45.7900	5.0	0.91	50.0000	91.6	86 - 137
1,2-Dibromo-3-chloropropane	57.6900	10	1.1	50.0000	115	62 - 127
1,2-Dibromoethane	44.5100	5.0	0.40	50.0000	89.0	83 - 126
1,2-Dichlorobenzene	43.0000	5.0	0.21	50.0000	86.0	83 - 123
1,2-Dichloroethane	62.0300	5.0	0.50	50.0000	124	76 - 128



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1077 - MSVOA\_S (continued)**

**LCS (B2C1077-BS1) - Continued**

Prepared: 3/11/2022 Analyzed: 3/11/2022

1,2-Dichloropropane	46.6800	5.0	0.46	50.0000		93.4	77 - 121			
1,3,5-Trimethylbenzene	46.6100	5.0	0.70	50.0000		93.2	84 - 135			
1,3-Dichlorobenzene	42.0000	5.0	0.36	50.0000		84.0	81 - 126			
1,3-Dichloropropane	45.6700	5.0	0.49	50.0000		91.3	80 - 118			
1,4-Dichlorobenzene	42.3300	5.0	0.27	50.0000		84.7	80 - 124			
2,2-Dichloropropane	62.1100	5.0	0.28	50.0000		124	72 - 135			
2-Chlorotoluene	49.6200	5.0	0.53	50.0000		99.2	81 - 127			
4-Chlorotoluene	52.2100	5.0	0.40	50.0000		104	83 - 127			
4-Isopropyltoluene	46.9700	5.0	0.81	50.0000		93.9	82 - 143			
Benzene	49.3300	5.0	0.36	50.0000		98.7	84 - 123			
Bromobenzene	43.5200	5.0	0.62	50.0000		87.0	80 - 122			
Bromochloromethane	48.9800	5.0	0.30	50.0000		98.0	83 - 127			
Bromodichloromethane	55.1400	5.0	0.52	50.0000		110	82 - 123			
Bromoform	50.0700	5.0	1.4	50.0000		100	80 - 132			
Bromomethane	60.5100	5.0	2.5	50.0000		121	67 - 176			
Carbon disulfide	44.4800	5.0	0.94	50.0000		89.0	75 - 138			
Carbon tetrachloride	63.2400	5.0	0.73	50.0000		126	76 - 131			
Chlorobenzene	45.0300	5.0	0.42	50.0000		90.1	84 - 119			
Chloroethane	53.4200	5.0	1.5	50.0000		107	56 - 170			
Chloroform	57.3500	5.0	0.24	50.0000		115	78 - 129			
Chloromethane	41.5900	5.0	1.1	50.0000		83.2	63 - 141			
cis-1,2-Dichloroethene	67.3900	5.0	0.20	50.0000		135	83 - 125			L5
cis-1,3-Dichloropropene	45.7500	5.0	0.39	50.0000		91.5	76 - 129			
Di-isopropyl ether	46.7500	5.0	1.9	50.0000		93.5	73 - 132			
Dibromochloromethane	48.7400	5.0	0.81	50.0000		97.5	81 - 120			
Dibromomethane	51.2300	5.0	0.23	50.0000		102	79 - 124			
Dichlorodifluoromethane	52.5400	5.0	0.14	50.0000		105	18 - 199			
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138			MO
Ethyl Ether	560.030	50	17	500.000		112	74 - 128			
Ethyl tert-butyl ether	46.9300	5.0	0.85	50.0000		93.9	50 - 175			
Ethylbenzene	52.0200	5.0	0.43	50.0000		104	86 - 130			
Freon-113	52.4200	5.0	1.3	50.0000		105	66 - 132			
Hexachlorobutadiene	56.6900	5.0	0.40	50.0000		113	64 - 135			
Isopropylbenzene	47.2800	5.0	0.79	50.0000		94.6	80 - 133			
m,p-Xylene	102.000	10	0.98	100.000		102	89 - 133			
Methylene chloride	47.1600	5.0	2.2	50.0000		94.3	72 - 143			
MTBE	48.8900	5.0	0.81	50.0000		97.8	73 - 136			
n-Butylbenzene	50.2200	5.0	1.2	50.0000		100	76 - 144			
n-Propylbenzene	48.7200	5.0	0.78	50.0000		97.4	81 - 136			
Naphthalene	38.9900	5.0	1.1	50.0000		78.0	64 - 128			
o-Xylene	51.3300	5.0	0.67	50.0000		103	82 - 134			
sec-Butylbenzene	46.2500	5.0	0.63	50.0000		92.5	81 - 138			
Styrene	44.7700	5.0	0.45	50.0000		89.5	79 - 152			
tert-Amyl methyl ether	42.3400	5.0	1.1	50.0000		84.7	48 - 166			
tert-Butanol	226.290	100	11	250.000		90.5	48 - 148			



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 Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1077 - MSVOA_S (continued)</b>										
<b>LCS (B2C1077-BS1) - Continued</b>										
					Prepared: 3/11/2022 Analyzed: 3/11/2022					
tert-Butylbenzene	46.9000	5.0	0.80	50.0000		93.8	81 - 135			
Tetrachloroethene	50.1200	5.0	0.31	50.0000		100	75 - 127			
Toluene	51.0900	5.0	0.27	50.0000		102	88 - 130			
trans-1,2-Dichloroethene	39.0600	5.0	0.56	50.0000		78.1	79 - 127			L3
trans-1,3-Dichloropropene	50.8200	5.0	0.59	50.0000		102	80 - 130			
Trichloroethene	49.3200	5.0	0.32	50.0000		98.6	83 - 126			
Trichlorofluoromethane	69.4300	5.0	1.0	50.0000		139	62 - 143			
Vinyl acetate	104.050	50	6.0	500.000		20.8	69 - 150			MO
Vinyl chloride	50.4400	5.0	0.92	50.0000		101	69 - 140			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	73.87			50.0000		148	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	58.07			50.0000		116	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	57.55			50.0000		115	77 - 159
<i>Surrogate: Toluene-d8</i>	55.81			50.0000		112	81 - 128

#### LCS Dup (B2C1077-BSD1)

Prepared: 3/11/2022 Analyzed: 3/11/2022

1,1,1,2-Tetrachloroethane	46.1500	5.0	0.52	50.0000		92.3	84 - 123	3.74	20	
1,1,1-Trichloroethane	63.2800	5.0	0.26	50.0000		127	78 - 133	2.77	20	
1,1,2,2-Tetrachloroethane	42.2500	5.0	0.21	50.0000		84.5	63 - 127	0.0473	20	
1,1,2-Trichloroethane	46.9400	5.0	0.40	50.0000		93.9	80 - 125	0.362	20	
1,1-Dichloroethane	51.2500	5.0	1.4	50.0000		102	77 - 128	1.28	20	
1,1-Dichloroethene	47.8100	5.0	1.9	50.0000		95.6	69 - 138	4.30	20	
1,1-Dichloropropene	45.8000	5.0	0.54	50.0000		91.6	80 - 133	4.73	20	
1,2,3-Trichloropropane	44.4400	5.0	0.40	50.0000		88.9	74 - 123	0.717	20	
1,2,3-Trichlorobenzene	45.6900	5.0	0.83	50.0000		91.4	79 - 133	2.51	20	
1,2,4-Trichlorobenzene	45.0400	5.0	0.80	50.0000		90.1	73 - 131	7.29	20	
1,2,4-Trimethylbenzene	45.6500	5.0	0.91	50.0000		91.3	86 - 137	0.306	20	
1,2-Dibromo-3-chloropropane	58.4200	10	1.1	50.0000		117	62 - 127	1.26	20	
1,2-Dibromoethane	46.6200	5.0	0.40	50.0000		93.2	83 - 126	4.63	20	
1,2-Dichlorobenzene	43.0700	5.0	0.21	50.0000		86.1	83 - 123	0.163	20	
1,2-Dichloroethane	65.0100	5.0	0.50	50.0000		130	76 - 128	4.69	20	L3
1,2-Dichloropropane	45.7600	5.0	0.46	50.0000		91.5	77 - 121	1.99	20	
1,3,5-Trimethylbenzene	44.8000	5.0	0.70	50.0000		89.6	84 - 135	3.96	20	
1,3-Dichlorobenzene	41.6500	5.0	0.36	50.0000		83.3	81 - 126	0.837	20	
1,3-Dichloropropane	45.3300	5.0	0.49	50.0000		90.7	80 - 118	0.747	20	
1,4-Dichlorobenzene	42.5800	5.0	0.27	50.0000		85.2	80 - 124	0.589	20	
2,2-Dichloropropane	57.2800	5.0	0.28	50.0000		115	72 - 135	8.09	20	
2-Chlorotoluene	48.4500	5.0	0.53	50.0000		96.9	81 - 127	2.39	20	
4-Chlorotoluene	50.4200	5.0	0.40	50.0000		101	83 - 127	3.49	20	
4-Isopropyltoluene	44.2700	5.0	0.81	50.0000		88.5	82 - 143	5.92	20	
Benzene	48.9200	5.0	0.36	50.0000		97.8	84 - 123	0.835	20	
Bromobenzene	42.7500	5.0	0.62	50.0000		85.5	80 - 122	1.79	20	
Bromochloromethane	49.1300	5.0	0.30	50.0000		98.3	83 - 127	0.306	20	
Bromodichloromethane	55.6900	5.0	0.52	50.0000		111	82 - 123	0.993	20	
Bromoform	50.5200	5.0	1.4	50.0000		101	80 - 132	0.895	20	
Bromomethane	56.5800	5.0	2.5	50.0000		113	67 - 176	6.71	20	



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1077 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C1077-BSD1) - Continued</b>					Prepared: 3/11/2022 Analyzed: 3/11/2022					
Carbon disulfide	42.9100	5.0	0.94	50.0000		85.8	75 - 138	3.59	20	
Carbon tetrachloride	60.9900	5.0	0.73	50.0000		122	76 - 131	3.62	20	
Chlorobenzene	42.4100	5.0	0.42	50.0000		84.8	84 - 119	5.99	20	
Chloroethane	52.9000	5.0	1.5	50.0000		106	56 - 170	0.978	20	
Chloroform	54.6900	5.0	0.24	50.0000		109	78 - 129	4.75	20	
Chloromethane	40.6400	5.0	1.1	50.0000		81.3	63 - 141	2.31	20	
cis-1,2-Dichloroethene	68.6300	5.0	0.20	50.0000		137	83 - 125	1.82	20	L5
cis-1,3-Dichloropropene	47.4500	5.0	0.39	50.0000		94.9	76 - 129	3.65	20	
Di-isopropyl ether	46.5400	5.0	1.9	50.0000		93.1	73 - 132	0.450	20	
Dibromochloromethane	50.6700	5.0	0.81	50.0000		101	81 - 120	3.88	20	
Dibromomethane	53.1400	5.0	0.23	50.0000		106	79 - 124	3.66	20	
Dichlorodifluoromethane	49.9900	5.0	0.14	50.0000		100	18 - 199	4.97	20	
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138	NR	20	MO
Ethyl Ether	563.570	50	17	500.000		113	74 - 128	0.630	20	
Ethyl tert-butyl ether	46.4400	5.0	0.85	50.0000		92.9	50 - 175	1.05	20	
Ethylbenzene	49.7100	5.0	0.43	50.0000		99.4	86 - 130	4.54	20	
Freon-113	46.5400	5.0	1.3	50.0000		93.1	66 - 132	11.9	20	
Hexachlorobutadiene	52.5500	5.0	0.40	50.0000		105	64 - 135	7.58	20	
Isopropylbenzene	44.9000	5.0	0.79	50.0000		89.8	80 - 133	5.16	20	
m,p-Xylene	98.8500	10	0.98	100.000		98.8	89 - 133	3.14	20	
Methylene chloride	46.9400	5.0	2.2	50.0000		93.9	72 - 143	0.468	20	
MTBE	49.8400	5.0	0.81	50.0000		99.7	73 - 136	1.92	20	
n-Butylbenzene	47.3700	5.0	1.2	50.0000		94.7	76 - 144	5.84	20	
n-Propylbenzene	46.0100	5.0	0.78	50.0000		92.0	81 - 136	5.72	20	
Naphthalene	38.0800	5.0	1.1	50.0000		76.2	64 - 128	2.36	20	
o-Xylene	50.0600	5.0	0.67	50.0000		100	82 - 134	2.51	20	
sec-Butylbenzene	43.2100	5.0	0.63	50.0000		86.4	81 - 138	6.80	20	
Styrene	43.5900	5.0	0.45	50.0000		87.2	79 - 152	2.67	20	
tert-Amyl methyl ether	45.0000	5.0	1.1	50.0000		90.0	48 - 166	6.09	20	
tert-Butanol	227.570	100	11	250.000		91.0	48 - 148	0.564	20	
tert-Butylbenzene	44.2300	5.0	0.80	50.0000		88.5	81 - 135	5.86	20	
Tetrachloroethene	45.1800	5.0	0.31	50.0000		90.4	75 - 127	10.4	20	
Toluene	51.7900	5.0	0.27	50.0000		104	88 - 130	1.36	20	
trans-1,2-Dichloroethene	39.6000	5.0	0.56	50.0000		79.2	79 - 127	1.37	20	
trans-1,3-Dichloropropene	51.3700	5.0	0.59	50.0000		103	80 - 130	1.08	20	
Trichloroethene	46.7500	5.0	0.32	50.0000		93.5	83 - 126	5.35	20	
Trichlorofluoromethane	64.6600	5.0	1.0	50.0000		129	62 - 143	7.11	20	
Vinyl acetate	101.090	50	6.0	500.000		20.2	69 - 150	2.89	20	MO
Vinyl chloride	45.5000	5.0	0.92	50.0000		91.0	69 - 140	10.3	20	

Surrogate: 1,2-Dichloroethane-d4	71.71	50.0000	143	66 - 200
Surrogate: 4-Bromofluorobenzene	57.20	50.0000	114	50 - 146
Surrogate: Dibromofluoromethane	53.02	50.0000	106	77 - 159
Surrogate: Toluene-d8	56.97	50.0000	114	81 - 128

22-00307

3.6°C

<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		<b>PROJECT NAME:</b> Ontario Airport		<b>PROJECT NO.:</b> 5925																																																																																																																																																																																																																																																																																						
<b>GLOBAL ID:</b> Vinnie Robino / Josh Voss		<b>LAB CONTACT:</b> Victoria Michel		<b>LAB CONTACT:</b> Victoria Michel																																																																																																																																																																																																																																																																																						
<b>TEL:</b> (949) 679-1070		<b>E-MAIL:</b> vprobino@gsi-net.com / jcvoss@gsi-net.com		<b>SAMPLER(S): (PRINT)</b> Tiam Novin / Josh Voss																																																																																																																																																																																																																																																																																						
<b>LABORATORY:</b> Advanced Technology Laboratories		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.																																																																																																																																																																																																																																																																																								
<b>TURNAROUND TIME:</b> <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">LAB USE ONLY</th> <th rowspan="2">SAMPLE ID</th> <th colspan="2">SAMPLING</th> <th rowspan="2">MATRIX</th> <th rowspan="2">NO. OF CONT.</th> <th colspan="2">PRESERVATION</th> <th rowspan="2">T22 6010B/7471A</th> <th rowspan="2">VOCs 8260B</th> <th rowspan="2">GRO 8015</th> <th rowspan="2">DRO/ORO 8015</th> <th rowspan="2">SVOCs 8270C</th> <th rowspan="2">PAHs 8270 SIM</th> <th rowspan="2">PCBs 8082</th> <th rowspan="2">OCFs 8081A</th> <th rowspan="2">Herbicides 8051</th> </tr> <tr> <th>DATE</th> <th>TIME</th> <th>Unpreserved</th> <th>Preserved</th> <th>Field Filtered</th> </tr> </thead> <tbody> <tr><td>1</td><td>68-20-2-1</td><td>3/7/22</td><td>0812</td><td>soil</td><td>1</td><td></td><td></td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td>68-20-2-5.5</td><td></td><td>0820</td><td></td><td>5</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td>68-20-3-1</td><td></td><td>0852</td><td></td><td>1</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td>68-20-3-5.5</td><td></td><td>0904</td><td></td><td>5</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td>68-17-4-1</td><td></td><td>0938</td><td></td><td>1</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td>68-17-4-3</td><td></td><td>0946</td><td></td><td>1</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td>68-6-1-1</td><td></td><td>1030</td><td></td><td>1</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td>68-6-1-5.5</td><td></td><td>1040</td><td></td><td>5</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td>68-7-2-1</td><td></td><td>1120</td><td></td><td>1</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td>68-7-2-5.5</td><td></td><td>1130</td><td></td><td>5</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td>68-6-2-1</td><td></td><td>1302</td><td></td><td>1</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>12</td><td>68-6-2-5.5</td><td></td><td>1313</td><td></td><td>5</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>13</td><td>68-7-1-1</td><td></td><td>1335</td><td></td><td>1</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>14</td><td>68-7-1-5.5</td><td></td><td>1355</td><td></td><td>5</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>15</td><td>TD-20220307</td><td></td><td>1320</td><td>water</td><td>4</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>				LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	PRESERVATION		T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCFs 8081A	Herbicides 8051	DATE	TIME	Unpreserved	Preserved	Field Filtered	1	68-20-2-1	3/7/22	0812	soil	1			X	X	X							2	68-20-2-5.5		0820		5		X	X	X	X							3	68-20-3-1		0852		1		X	X	X	X							4	68-20-3-5.5		0904		5		X	X	X	X							5	68-17-4-1		0938		1		X	X	X	X							6	68-17-4-3		0946		1		X	X	X	X							7	68-6-1-1		1030		1		X	X	X	X							8	68-6-1-5.5		1040		5		X	X	X	X							9	68-7-2-1		1120		1		X	X	X	X							10	68-7-2-5.5		1130		5		X	X	X	X							11	68-6-2-1		1302		1		X	X	X	X							12	68-6-2-5.5		1313		5		X	X	X	X							13	68-7-1-1		1335		1		X	X	X	X							14	68-7-1-5.5		1355		5		X	X	X	X							15	TD-20220307		1320	water	4		X	X	X	X						
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May 16, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200316  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 08, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 05/16/22 10:25 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

#### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
68-17-2-1	2200316-01	Soil	3/08/22 9:18	3/08/22 17:06
68-17-1-1	2200316-02	Soil	3/08/22 9:54	3/08/22 17:06
68-17-1-5.5	2200316-03	Soil	3/08/22 10:15	3/08/22 17:06
68-17-2-5.5	2200316-04	Soil	3/08/22 10:35	3/08/22 17:06
68-17-3-1	2200316-05	Soil	3/08/22 10:50	3/08/22 17:06
68-17-3-5.5	2200316-06	Soil	3/08/22 11:03	3/08/22 17:06
68-22-1-1-1	2200316-07	Soil	3/08/22 12:45	3/08/22 17:06
68-22-1-1-5.5	2200316-08	Soil	3/08/22 12:55	3/08/22 17:06
TB_20220308	2200316-09	Water	3/08/22 13:25	3/08/22 17:06
68-22-1-2-1	2200316-10	Soil	3/08/22 13:39	3/08/22 17:06
68-22-1-2-5.5	2200316-11	Soil	3/08/22 13:50	3/08/22 17:06
68-22-Shed 1-1-1	2200316-12	Soil	3/08/22 14:24	3/08/22 17:06
68-22-Shed 1-1-5.5	2200316-13	Soil	3/08/22 14:30	3/08/22 17:06
EB_20220308	2200316-14	Water	3/08/22 14:45	3/08/22 17:06



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/16/2022

### Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
D10	Sample required dilution due to dark sample
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time	Notes
								Analyzed	
2200316-01	68-17-2-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 10:44	
2200316-02	68-17-1-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 10:56	
2200316-05	68-17-3-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 10:58	
2200316-07	68-22-1-1-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:02	
2200316-10	68-22-1-2-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:04	
2200316-12	68-22-Shed 1-1-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22 11:14	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-17-2-1**  
**Lab ID: 2200316-01**

### Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
<b>Barium</b>	<b>100</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
<b>Beryllium</b>	<b>2.3</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
<b>Cobalt</b>	<b>5.5</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
<b>Copper</b>	<b>12</b>	2.0	1	B2C1032	03/09/2022	03/09/22 14:23	
<b>Lead</b>	<b>3.3</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
<b>Nickel</b>	<b>5.9</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
<b>Selenium</b>	<b>2.3</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
<b>Silver</b>	<b>4.4</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
<b>Vanadium</b>	<b>31</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	
<b>Zinc</b>	<b>52</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:23	

### Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1221	ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1232	ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1242	ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1248	ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1254	ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
Aroclor 1260	ND	16	1	B2C1045	03/09/2022	03/09/22 21:03	
<i>Surrogate: Decachlorobiphenyl</i>	<i>56.6 %</i>	<i>0 - 87</i>		B2C1045	03/09/2022	<i>03/09/22 21:03</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>52.0 %</i>	<i>0 - 103</i>		B2C1045	03/09/2022	<i>03/09/22 21:03</i>	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-17-1-1**  
**Lab ID: 2200316-02**

### Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
<b>Barium</b>	<b>93</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
<b>Beryllium</b>	<b>2.0</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
<b>Cobalt</b>	<b>5.2</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
<b>Copper</b>	<b>11</b>	2.0	1	B2C1032	03/09/2022	03/09/22 14:25	
<b>Lead</b>	<b>3.1</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Nickel	<b>5.6</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Selenium	<b>2.4</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Silver	<b>4.0</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
<b>Vanadium</b>	<b>28</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	
<b>Zinc</b>	<b>46</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:25	

### Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1221	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1232	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1242	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1248	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1254	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
Aroclor 1260	ND	16	1	B2C1045	03/09/2022	03/09/22 21:22	
<i>Surrogate: Decachlorobiphenyl</i>	<i>53.4 %</i>	<i>0 - 87</i>		B2C1045	03/09/2022	<i>03/09/22 21:22</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>48.0 %</i>	<i>0 - 103</i>		B2C1045	03/09/2022	<i>03/09/22 21:22</i>	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-17-1-5.5**

**Lab ID: 2200316-03**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 13:46	
<b>C23-C32</b>	<b>13</b>	10	1	B2C1039	03/09/2022	03/10/22 13:46	
<i>Surrogate: p-Terphenyl</i>	<i>102 %</i>	<i>62 - 141</i>		B2C1039	03/09/2022	<i>03/10/22 13:46</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1,1-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1,2-Trichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,1-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2,3-Trichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2-Dibromo-3-chloropropane	ND	9.2	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2-Dibromoethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2-Dichloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,3-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,3-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
1,4-Dichlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
2,2-Dichloropropane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
2-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
4-Chlorotoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
4-Isopropyltoluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Benzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Bromobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Bromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Bromodichloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Bromoform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Bromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Carbon disulfide	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-17-1-5.5**  
**Lab ID: 2200316-03**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Chlorobenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Chloroethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Chloroform	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Chloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Di-isopropyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Dibromochloromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Dibromomethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Dichlorodifluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Ethyl Acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 16:07	
Ethyl Ether	ND	46	1	B2C1079	03/11/2022	03/11/22 16:07	
Ethyl tert-butyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Ethylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Freon-113	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Hexachlorobutadiene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Isopropylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
m,p-Xylene	ND	9.2	1	B2C1079	03/11/2022	03/11/22 16:07	
Methylene chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
MTBE	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
n-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
n-Propylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Naphthalene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
o-Xylene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
sec-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Styrene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
tert-Amyl methyl ether	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
tert-Butanol	ND	92	1	B2C1079	03/11/2022	03/11/22 16:07	
tert-Butylbenzene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Tetrachloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Toluene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Trichloroethene	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Trichlorofluoromethane	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	
Vinyl acetate	ND	46	1	B2C1079	03/11/2022	03/11/22 16:07	
Vinyl chloride	ND	4.6	1	B2C1079	03/11/2022	03/11/22 16:07	

Surrogate: 1,2-Dichloroethane-d4      124 %      66 - 200      B2C1079      03/11/2022      03/11/22 16:07  
 Surrogate: 4-Bromofluorobenzene      99.3 %      50 - 146      B2C1079      03/11/2022      03/11/22 16:07



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

**Client Sample ID: 68-17-1-5.5**  
**Lab ID: 2200316-03**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	114 %	77 - 159		B2C1079	03/11/2022	03/11/22 16:07	
<i>Surrogate: Toluene-d8</i>	105 %	81 - 128		B2C1079	03/11/2022	03/11/22 16:07	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1152	03/15/2022	03/15/22 05:15	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.9 %	47.6 - 121.18		B2C1152	03/15/2022	03/15/22 05:15	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-17-2-5.5**

**Lab ID: 2200316-04**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 14:05	
<b>C23-C32</b>	<b>12</b>	10	1	B2C1039	03/09/2022	03/10/22 14:05	
<i>Surrogate: p-Terphenyl</i>	<i>100 %</i>	<i>62 - 141</i>		B2C1039	03/09/2022	<i>03/10/22 14:05</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1,1-Trichloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1,2,2-Tetrachloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1,2-Trichloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1-Dichloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1-Dichloroethene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,1-Dichloropropene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2,3-Trichloropropane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2,3-Trichlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2,4-Trichlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2,4-Trimethylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2-Dibromoethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2-Dichlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2-Dichloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,2-Dichloropropane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,3,5-Trimethylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,3-Dichlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,3-Dichloropropane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
1,4-Dichlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
2,2-Dichloropropane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
2-Chlorotoluene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
4-Chlorotoluene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
4-Isopropyltoluene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Benzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Bromobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Bromochloromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Bromodichloromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Bromoform	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Bromomethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Carbon disulfide	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-17-2-5.5**

**Lab ID: 2200316-04**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Chlorobenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Chloroethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Chloroform	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Chloromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
cis-1,2-Dichloroethene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
cis-1,3-Dichloropropene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Di-isopropyl ether	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Dibromochloromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Dibromomethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Dichlorodifluoromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Ethyl Acetate	ND	54	1	B2C1079	03/11/2022	03/11/22 16:31	
Ethyl Ether	ND	54	1	B2C1079	03/11/2022	03/11/22 16:31	
Ethyl tert-butyl ether	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Ethylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Freon-113	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Hexachlorobutadiene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Isopropylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
m,p-Xylene	ND	11	1	B2C1079	03/11/2022	03/11/22 16:31	
Methylene chloride	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
MTBE	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
n-Butylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
n-Propylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Naphthalene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
o-Xylene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
sec-Butylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Styrene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
tert-Amyl methyl ether	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
tert-Butanol	ND	110	1	B2C1079	03/11/2022	03/11/22 16:31	
tert-Butylbenzene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Tetrachloroethene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Toluene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
trans-1,2-Dichloroethene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
trans-1,3-Dichloropropene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Trichloroethene	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Trichlorofluoromethane	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	
Vinyl acetate	ND	54	1	B2C1079	03/11/2022	03/11/22 16:31	
Vinyl chloride	ND	5.4	1	B2C1079	03/11/2022	03/11/22 16:31	

Surrogate: 1,2-Dichloroethane-d4	117 %	66 - 200	B2C1079	03/11/2022	03/11/22 16:31
Surrogate: 4-Bromofluorobenzene	103 %	50 - 146	B2C1079	03/11/2022	03/11/22 16:31





### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

**Client Sample ID: 68-17-2-5.5**  
**Lab ID: 2200316-04**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	111 %	77 - 159		B2C1079	03/11/2022	03/11/22 16:31	
<i>Surrogate: Toluene-d8</i>	102 %	81 - 128		B2C1079	03/11/2022	03/11/22 16:31	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C1152	03/15/2022	03/15/22 05:40	
<i>Surrogate: 4-Bromofluorobenzene</i>	85.4 %	47.6 - 121.18		B2C1152	03/15/2022	03/15/22 05:40	



## Certificate of Analysis

GSI Environmental, Inc.  
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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-17-3-1**  
**Lab ID: 2200316-05**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
<b>Barium</b>	<b>83</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
<b>Beryllium</b>	<b>1.9</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
<b>Cobalt</b>	<b>4.7</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
<b>Copper</b>	<b>10</b>	2.0	1	B2C1032	03/09/2022	03/09/22 14:56	
<b>Lead</b>	<b>2.5</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
<b>Nickel</b>	<b>5.2</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Selenium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
<b>Silver</b>	<b>3.7</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
<b>Vanadium</b>	<b>26</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	
<b>Zinc</b>	<b>35</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:56	

### Polychlorinated Biphenyls by EPA 8082

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1221	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1232	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1242	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1248	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1254	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
Aroclor 1260	ND	16	1	B2C1045	03/09/2022	03/09/22 21:41	
<i>Surrogate: Decachlorobiphenyl</i>	<i>52.4 %</i>	<i>0 - 87</i>		B2C1045	03/09/2022	<i>03/09/22 21:41</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>44.5 %</i>	<i>0 - 103</i>		B2C1045	03/09/2022	<i>03/09/22 21:41</i>	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-17-3-5.5**

**Lab ID: 2200316-06**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 14:24	
<b>C23-C32</b>	<b>13</b>	10	1	B2C1039	03/09/2022	03/10/22 14:24	
<i>Surrogate: p-Terphenyl</i>	<i>102 %</i>	<i>62 - 141</i>		B2C1039	03/09/2022	<i>03/10/22 14:24</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1,1-Trichloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1,2-Trichloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1-Dichloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1-Dichloroethene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,1-Dichloropropene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2,3-Trichloropropane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2-Dibromo-3-chloropropane	ND	9.5	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2-Dibromoethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2-Dichlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2-Dichloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,2-Dichloropropane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,3-Dichlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,3-Dichloropropane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
1,4-Dichlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
2,2-Dichloropropane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
2-Chlorotoluene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
4-Chlorotoluene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
4-Isopropyltoluene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Benzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Bromobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Bromochloromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Bromodichloromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Bromoform	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Bromomethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Carbon disulfide	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-17-3-5.5**

**Lab ID: 2200316-06**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Chlorobenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Chloroethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Chloroform	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Chloromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Di-isopropyl ether	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Dibromochloromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Dibromomethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Dichlorodifluoromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Ethyl Acetate	ND	47	1	B2C1079	03/11/2022	03/11/22 16:56	
Ethyl Ether	ND	47	1	B2C1079	03/11/2022	03/11/22 16:56	
Ethyl tert-butyl ether	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Ethylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Freon-113	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Hexachlorobutadiene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Isopropylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
m,p-Xylene	ND	9.5	1	B2C1079	03/11/2022	03/11/22 16:56	
Methylene chloride	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
MTBE	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
n-Butylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
n-Propylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Naphthalene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
o-Xylene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
sec-Butylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Styrene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
tert-Amyl methyl ether	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
tert-Butanol	ND	95	1	B2C1079	03/11/2022	03/11/22 16:56	
tert-Butylbenzene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Tetrachloroethene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Toluene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Trichloroethene	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Trichlorofluoromethane	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	
Vinyl acetate	ND	47	1	B2C1079	03/11/2022	03/11/22 16:56	
Vinyl chloride	ND	4.7	1	B2C1079	03/11/2022	03/11/22 16:56	

Surrogate: 1,2-Dichloroethane-d4      116 %      66 - 200      B2C1079      03/11/2022      03/11/22 16:56  
 Surrogate: 4-Bromofluorobenzene      97.4 %      50 - 146      B2C1079      03/11/2022      03/11/22 16:56



## Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

**Client Sample ID: 68-17-3-5.5**

**Lab ID: 2200316-06**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	113 %	77 - 159		B2C1079	03/11/2022	03/11/22 16:56	
<i>Surrogate: Toluene-d8</i>	103 %	81 - 128		B2C1079	03/11/2022	03/11/22 16:56	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.98	1	B2C1152	03/15/2022	03/15/22 06:04	
<i>Surrogate: 4-Bromofluorobenzene</i>	87.7 %	47.6 - 121.18		B2C1152	03/15/2022	03/15/22 06:04	

**Client Sample ID: 68-22-1-1-1**

**Lab ID: 2200316-07**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
<b>Barium</b>	<b>110</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
<b>Chromium</b>	<b>17</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
<b>Cobalt</b>	<b>6.3</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
<b>Copper</b>	<b>13</b>	2.0	1	B2C1032	03/09/2022	03/09/22 14:58	
<b>Lead</b>	<b>4.7</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
<b>Nickel</b>	<b>6.3</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
<b>Selenium</b>	<b>1.9</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
<b>Silver</b>	<b>5.0</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	
<b>Zinc</b>	<b>49</b>	1.0	1	B2C1032	03/09/2022	03/09/22 14:58	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-22-1-1-5.5**  
**Lab ID: 2200316-08**

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Acenaphthene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Acenaphthylene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Anthracene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Benzo(a)anthracene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Benzo(a)pyrene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Benzo(b)fluoranthene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Benzo(g,h,i)perylene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Benzo(k)fluoranthene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Chrysene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Dibenz(a,h)anthracene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Fluoranthene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Fluorene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Indeno(1,2,3-cd)pyrene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Naphthalene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Phenanthrene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
Pyrene	ND	10	2	B2C1149	03/14/2022	03/15/22 02:03	D10
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>63.1 %</i>	<i>12 - 125</i>		B2C1149	03/14/2022	<i>03/15/22 02:03</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>86.8 %</i>	<i>14 - 139</i>		B2C1149	03/14/2022	<i>03/15/22 02:03</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>51.0 %</i>	<i>8 - 155</i>		B2C1149	03/14/2022	<i>03/15/22 02:03</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>117 %</i>	<i>16 - 152</i>		B2C1149	03/14/2022	<i>03/15/22 02:03</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 14:42	
<b>C23-C32</b>	<b>16</b>	10	1	B2C1039	03/09/2022	03/10/22 14:42	
<i>Surrogate: p-Terphenyl</i>	<i>109 %</i>	<i>62 - 141</i>		B2C1039	03/09/2022	<i>03/10/22 14:42</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,1,1-Trichloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,1,2,2-Tetrachloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,1,2-Trichloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-22-1-1-5.5**  
**Lab ID: 2200316-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,1-Dichloroethene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,1-Dichloropropene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2,3-Trichloropropane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2,3-Trichlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2,4-Trichlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2,4-Trimethylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2-Dibromo-3-chloropropane	ND	8.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2-Dibromoethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2-Dichlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2-Dichloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,2-Dichloropropane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,3,5-Trimethylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,3-Dichlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,3-Dichloropropane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
1,4-Dichlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
2,2-Dichloropropane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
2-Chlorotoluene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
4-Chlorotoluene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
4-Isopropyltoluene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Benzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Bromobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Bromochloromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Bromodichloromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Bromoform	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Bromomethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Carbon disulfide	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Carbon tetrachloride	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Chlorobenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Chloroethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Chloroform	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Chloromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
cis-1,2-Dichloroethene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
cis-1,3-Dichloropropene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Di-isopropyl ether	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Dibromochloromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Dibromomethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Dichlorodifluoromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Ethyl Acetate	ND	40	1	B2C1079	03/11/2022	03/11/22 17:21	
Ethyl Ether	ND	40	1	B2C1079	03/11/2022	03/11/22 17:21	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-22-1-1-5.5**  
**Lab ID: 2200316-08**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Ethylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Freon-113	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Hexachlorobutadiene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Isopropylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
m,p-Xylene	ND	8.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Methylene chloride	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
MTBE	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
n-Butylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
n-Propylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Naphthalene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
o-Xylene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
sec-Butylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Styrene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
tert-Amyl methyl ether	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
tert-Butanol	ND	80	1	B2C1079	03/11/2022	03/11/22 17:21	
tert-Butylbenzene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Tetrachloroethene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Toluene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
trans-1,2-Dichloroethene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
trans-1,3-Dichloropropene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Trichloroethene	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Trichlorofluoromethane	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
Vinyl acetate	ND	40	1	B2C1079	03/11/2022	03/11/22 17:21	
Vinyl chloride	ND	4.0	1	B2C1079	03/11/2022	03/11/22 17:21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>118 %</i>	<i>66 - 200</i>		B2C1079	03/11/2022	<i>03/11/22 17:21</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>50 - 146</i>		B2C1079	03/11/2022	<i>03/11/22 17:21</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>111 %</i>	<i>77 - 159</i>		B2C1079	03/11/2022	<i>03/11/22 17:21</i>	
<i>Surrogate: Toluene-d8</i>	<i>103 %</i>	<i>81 - 128</i>		B2C1079	03/11/2022	<i>03/11/22 17:21</i>	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.78	1	B2C1152	03/15/2022	03/15/22 06:29	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.2 %</i>	<i>47.6 - 121.18</i>		B2C1152	03/15/2022	<i>03/15/22 06:29</i>	





# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

**Client Sample ID: 68-22-1-2-1**  
**Lab ID: 2200316-10**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
<b>Barium</b>	<b>110</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
<b>Beryllium</b>	<b>2.1</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
<b>Cobalt</b>	<b>5.7</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
<b>Copper</b>	<b>12</b>	2.0	1	B2C1032	03/09/2022	03/09/22 15:00	
<b>Lead</b>	<b>3.8</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Nickel	<b>6.4</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Selenium	<b>1.8</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Silver	<b>3.9</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
<b>Vanadium</b>	<b>30</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	
<b>Zinc</b>	<b>39</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:00	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-22-1-2-5.5**  
**Lab ID: 2200316-11**

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Acenaphthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Acenaphthylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Benzo(a)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Benzo(a)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Benzo(b)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Benzo(k)fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Chrysene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Fluoranthene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Fluorene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Naphthalene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Phenanthrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
Pyrene	ND	5.0	1	B2C1149	03/14/2022	03/15/22 02:29	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	66.6 %	12 - 125		B2C1149	03/14/2022	03/15/22 02:29	
<i>Surrogate: 2-Fluorobiphenyl</i>	81.3 %	14 - 139		B2C1149	03/14/2022	03/15/22 02:29	
<i>Surrogate: Nitrobenzene-d5</i>	62.7 %	8 - 155		B2C1149	03/14/2022	03/15/22 02:29	
<i>Surrogate: 4-Terphenyl-d14</i>	110 %	16 - 152		B2C1149	03/14/2022	03/15/22 02:29	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 15:00	
<b>C23-C32</b>	<b>13</b>	10	1	B2C1039	03/09/2022	03/10/22 15:00	
<i>Surrogate: p-Terphenyl</i>	94.6 %	62 - 141		B2C1039	03/09/2022	03/10/22 15:00	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,1,1-Trichloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,1,2-Trichloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-22-1-2-5.5**  
**Lab ID: 2200316-11**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,1-Dichloroethene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,1-Dichloropropene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2,3-Trichloropropane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2-Dibromoethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2-Dichlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2-Dichloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,2-Dichloropropane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,3-Dichlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,3-Dichloropropane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
1,4-Dichlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
2,2-Dichloropropane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
2-Chlorotoluene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
4-Chlorotoluene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
4-Isopropyltoluene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Benzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Bromobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Bromochloromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Bromodichloromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Bromoform	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Bromomethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Carbon disulfide	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Carbon tetrachloride	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Chlorobenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Chloroethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Chloroform	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Chloromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
cis-1,2-Dichloroethene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
cis-1,3-Dichloropropene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Di-isopropyl ether	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Dibromochloromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Dibromomethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Dichlorodifluoromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Ethyl Acetate	ND	51	1	B2C1079	03/11/2022	03/11/22 17:45	
Ethyl Ether	ND	51	1	B2C1079	03/11/2022	03/11/22 17:45	



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-22-1-2-5.5**  
**Lab ID: 2200316-11**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Ethylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Freon-113	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Hexachlorobutadiene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Isopropylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
m,p-Xylene	ND	10	1	B2C1079	03/11/2022	03/11/22 17:45	
Methylene chloride	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
MTBE	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
n-Butylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
n-Propylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Naphthalene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
o-Xylene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
sec-Butylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Styrene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
tert-Amyl methyl ether	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
tert-Butanol	ND	100	1	B2C1079	03/11/2022	03/11/22 17:45	
tert-Butylbenzene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Tetrachloroethene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Toluene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
trans-1,2-Dichloroethene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
trans-1,3-Dichloropropene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Trichloroethene	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Trichlorofluoromethane	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
Vinyl acetate	ND	51	1	B2C1079	03/11/2022	03/11/22 17:45	
Vinyl chloride	ND	5.1	1	B2C1079	03/11/2022	03/11/22 17:45	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>120 %</i>	<i>66 - 200</i>		B2C1079	03/11/2022	<i>03/11/22 17:45</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>50 - 146</i>		B2C1079	03/11/2022	<i>03/11/22 17:45</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>115 %</i>	<i>77 - 159</i>		B2C1079	03/11/2022	<i>03/11/22 17:45</i>	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>81 - 128</i>		B2C1079	03/11/2022	<i>03/11/22 17:45</i>	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.93	1	B2C1152	03/15/2022	03/15/22 06:53	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.2 %</i>	<i>47.6 - 121.18</i>		B2C1152	03/15/2022	<i>03/15/22 06:53</i>	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-22-Shed 1-1-1**  
**Lab ID: 2200316-12**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Arsenic	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
<b>Barium</b>	<b>110</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Cadmium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
<b>Cobalt</b>	<b>5.9</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
<b>Copper</b>	<b>12</b>	2.0	1	B2C1032	03/09/2022	03/09/22 15:02	
<b>Lead</b>	<b>2.8</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Molybdenum	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Nickel	5.7	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Selenium	2.7	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Silver	4.8	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
Thallium	ND	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
<b>Vanadium</b>	<b>32</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	
<b>Zinc</b>	<b>38</b>	1.0	1	B2C1032	03/09/2022	03/09/22 15:02	



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/16/2022

**Client Sample ID: 68-22-Shed 1-1-5.5**

**Lab ID: 2200316-13**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1039	03/09/2022	03/10/22 15:18	
<b>C23-C32</b>	<b>12</b>	10	1	B2C1039	03/09/2022	03/10/22 15:18	
<i>Surrogate: p-Terphenyl</i>	<i>90.9 %</i>	<i>62 - 141</i>		B2C1039	03/09/2022	<i>03/10/22 15:18</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1,1-Trichloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1,2-Trichloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1-Dichloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1-Dichloroethene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,1-Dichloropropene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2,3-Trichloropropane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2-Dibromoethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2-Dichlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2-Dichloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,2-Dichloropropane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,3-Dichlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,3-Dichloropropane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
1,4-Dichlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
2,2-Dichloropropane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
2-Chlorotoluene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
4-Chlorotoluene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
4-Isopropyltoluene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Benzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Bromobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Bromochloromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Bromodichloromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Bromoform	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Bromomethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Carbon disulfide	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 68-22-Shed 1-1-5.5**  
**Lab ID: 2200316-13**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Chlorobenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Chloroethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Chloroform	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Chloromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Di-isopropyl ether	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Dibromochloromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Dibromomethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Dichlorodifluoromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Ethyl Acetate	ND	39	1	B2C1079	03/11/2022	03/11/22 18:10	
Ethyl Ether	ND	39	1	B2C1079	03/11/2022	03/11/22 18:10	
Ethyl tert-butyl ether	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Ethylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Freon-113	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Hexachlorobutadiene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Isopropylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
m,p-Xylene	ND	7.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Methylene chloride	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
MTBE	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
n-Butylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
n-Propylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Naphthalene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
o-Xylene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
sec-Butylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Styrene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
tert-Amyl methyl ether	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
tert-Butanol	ND	79	1	B2C1079	03/11/2022	03/11/22 18:10	
tert-Butylbenzene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Tetrachloroethene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Toluene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Trichloroethene	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Trichlorofluoromethane	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	
Vinyl acetate	ND	39	1	B2C1079	03/11/2022	03/11/22 18:10	
Vinyl chloride	ND	3.9	1	B2C1079	03/11/2022	03/11/22 18:10	

Surrogate: 1,2-Dichloroethane-d4      122 %      66 - 200      B2C1079      03/11/2022      03/11/22 18:10  
 Surrogate: 4-Bromofluorobenzene      103 %      50 - 146      B2C1079      03/11/2022      03/11/22 18:10



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

**Client Sample ID: 68-22-Shed 1-1-5.5**  
**Lab ID: 2200316-13**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	123 %	77 - 159		B2C1079	03/11/2022	03/11/22 18:10	
<i>Surrogate: Toluene-d8</i>	104 %	81 - 128		B2C1079	03/11/2022	03/11/22 18:10	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.90	1	B2C1152	03/15/2022	03/15/22 07:17	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.4 %	47.6 - 121.18		B2C1152	03/15/2022	03/15/22 07:17	





## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

### QUALITY CONTROL SECTION

#### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1149 - MSSEMI\_S**

**Blank (B2C1149-BLK1)**

Prepared: 3/14/2022 Analyzed: 3/14/2022

2-Methylnaphthalene	ND	5.0	0.60
Acenaphthene	ND	5.0	0.41
Acenaphthylene	ND	5.0	0.41
Anthracene	ND	5.0	0.56
Benzo(a)anthracene	ND	5.0	0.56
Benzo(a)pyrene	ND	5.0	0.69
Benzo(b)fluoranthene	ND	5.0	2.2
Benzo(g,h,i)perylene	ND	5.0	0.80
Benzo(k)fluoranthene	ND	5.0	0.70
Chrysene	ND	5.0	0.61
Dibenz(a,h)anthracene	ND	5.0	0.88
Fluoranthene	ND	5.0	0.45
Fluorene	ND	5.0	0.35
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82
Naphthalene	ND	5.0	0.56
Phenanthrene	ND	5.0	0.34
Pyrene	ND	5.0	0.51

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	21.80		33.3333	65.4	12 - 125
<i>Surrogate: 2-Fluorobiphenyl</i>	26.94		33.3333	80.8	14 - 139
<i>Surrogate: Nitrobenzene-d5</i>	15.54		33.3333	46.6	8 - 155
<i>Surrogate: 4-Terphenyl-d14</i>	39.03		33.3333	117	16 - 152

**LCS (B2C1149-BS1)**

Prepared: 3/14/2022 Analyzed: 3/14/2022

2-Methylnaphthalene	23.0107	5.0	0.60	33.3333	69.0	39 - 92
Acenaphthene	26.6737	5.0	0.41	33.3333	80.0	35 - 94
Acenaphthylene	29.3323	5.0	0.41	33.3333	88.0	31 - 101
Anthracene	23.4793	5.0	0.56	33.3333	70.4	37 - 95
Benzo(a)anthracene	26.5360	5.0	0.56	33.3333	79.6	43 - 102
Benzo(a)pyrene	27.0590	5.0	0.69	33.3333	81.2	38 - 95
Benzo(b)fluoranthene	28.9413	5.0	2.2	33.3333	86.8	44 - 102
Benzo(g,h,i)perylene	23.5337	5.0	0.80	33.3333	70.6	34 - 114
Benzo(k)fluoranthene	27.0187	5.0	0.70	33.3333	81.1	34 - 110
Chrysene	30.3950	5.0	0.61	33.3333	91.2	46 - 101
Dibenz(a,h)anthracene	23.8210	5.0	0.88	33.3333	71.5	35 - 117
Fluoranthene	28.1763	5.0	0.45	33.3333	84.5	46 - 107
Fluorene	27.9957	5.0	0.35	33.3333	84.0	35 - 98
Indeno(1,2,3-cd)pyrene	24.2050	5.0	0.82	33.3333	72.6	35 - 114
Naphthalene	23.5307	5.0	0.56	33.3333	70.6	39 - 86
Phenanthrene	27.7383	5.0	0.34	33.3333	83.2	43 - 98
Pyrene	28.3930	5.0	0.51	33.3333	85.2	44 - 108

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	23.08		33.3333	69.2	12 - 125
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## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1149 - MSSEMI\_S (continued)**

**LCS (B2C1149-BS1) - Continued**

Prepared: 3/14/2022 Analyzed: 3/14/2022

Surrogate: 2-Fluorobiphenyl	26.75	33.3333	80.3	14 - 139
Surrogate: Nitrobenzene-d5	21.65	33.3333	65.0	8 - 155
Surrogate: 4-Terphenyl-d14	33.48	33.3333	100	16 - 152

**Matrix Spike (B2C1149-MS1)**

**Source: 2200307-10**

Prepared: 3/14/2022 Analyzed: 3/14/2022

2-Methylnaphthalene	24.6897	5.0	0.60	33.3333	ND	74.1	43 - 120
Acenaphthene	30.1083	5.0	0.41	33.3333	ND	90.3	52 - 113
Acenaphthylene	30.6713	5.0	0.41	33.3333	ND	92.0	44 - 126
Anthracene	27.9053	5.0	0.56	33.3333	ND	83.7	49 - 128
Benzo(a)anthracene	29.1493	5.0	0.56	33.3333	ND	87.4	32 - 158
Benzo(a)pyrene	27.2937	5.0	0.69	33.3333	ND	81.9	39 - 137
Benzo(b)fluoranthene	31.1577	5.0	2.2	33.3333	ND	93.5	52 - 132
Benzo(g,h,i)perylene	27.3143	5.0	0.80	33.3333	ND	81.9	35 - 162
Benzo(k)fluoranthene	30.0907	5.0	0.70	33.3333	ND	90.3	18 - 153
Chrysene	33.2883	5.0	0.61	33.3333	ND	99.9	25 - 160
Dibenz(a,h)anthracene	27.0950	5.0	0.88	33.3333	ND	81.3	41 - 155
Fluoranthene	30.7537	5.0	0.45	33.3333	ND	92.3	5 - 185
Fluorene	29.2517	5.0	0.35	33.3333	ND	87.8	28 - 135
Indeno(1,2,3-cd)pyrene	27.4323	5.0	0.82	33.3333	ND	82.3	36 - 162
Naphthalene	25.6073	5.0	0.56	33.3333	ND	76.8	41 - 113
Phenanthrene	30.0330	5.0	0.34	33.3333	ND	90.1	35 - 143
Pyrene	31.0980	5.0	0.51	33.3333	ND	93.3	10 - 184

Surrogate: 1,2-Dichlorobenzene-d4	25.23	33.3333	75.7	12 - 125
Surrogate: 2-Fluorobiphenyl	28.33	33.3333	85.0	14 - 139
Surrogate: Nitrobenzene-d5	24.93	33.3333	74.8	8 - 155
Surrogate: 4-Terphenyl-d14	37.57	33.3333	113	16 - 152

**Matrix Spike Dup (B2C1149-MSD1)**

**Source: 2200307-10**

Prepared: 3/14/2022 Analyzed: 3/14/2022

2-Methylnaphthalene	21.2197	5.0	0.60	33.3333	ND	63.7	43 - 120	15.1	20
Acenaphthene	25.1877	5.0	0.41	33.3333	ND	75.6	52 - 113	17.8	20
Acenaphthylene	28.0250	5.0	0.41	33.3333	ND	84.1	44 - 126	9.02	20
Anthracene	24.8657	5.0	0.56	33.3333	ND	74.6	49 - 128	11.5	20
Benzo(a)anthracene	25.6723	5.0	0.56	33.3333	ND	77.0	32 - 158	12.7	20
Benzo(a)pyrene	24.1357	5.0	0.69	33.3333	ND	72.4	39 - 137	12.3	20
Benzo(b)fluoranthene	27.3750	5.0	2.2	33.3333	ND	82.1	52 - 132	12.9	20
Benzo(g,h,i)perylene	24.0880	5.0	0.80	33.3333	ND	72.3	35 - 162	12.6	20
Benzo(k)fluoranthene	25.7330	5.0	0.70	33.3333	ND	77.2	18 - 153	15.6	20
Chrysene	28.6320	5.0	0.61	33.3333	ND	85.9	25 - 160	15.0	20
Dibenz(a,h)anthracene	22.0493	5.0	0.88	33.3333	ND	66.1	41 - 155	20.5	20 R
Fluoranthene	28.8287	5.0	0.45	33.3333	ND	86.5	5 - 185	6.46	20
Fluorene	26.7893	5.0	0.35	33.3333	ND	80.4	28 - 135	8.79	20
Indeno(1,2,3-cd)pyrene	23.2723	5.0	0.82	33.3333	ND	69.8	36 - 162	16.4	20
Naphthalene	22.2973	5.0	0.56	33.3333	ND	66.9	41 - 113	13.8	20
Phenanthrene	24.4213	5.0	0.34	33.3333	ND	73.3	35 - 143	20.6	20 R
Pyrene	29.1253	5.0	0.51	33.3333	ND	87.4	10 - 184	6.55	20



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine , CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/16/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1149 - MSSEMI\_S (continued)**

**Matrix Spike Dup (B2C1149-MSD1) - Continued**

**Source: 2200307-10**

Prepared: 3/14/2022 Analyzed: 3/14/2022

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	19.21		33.3333		57.6	12 - 125
<i>Surrogate: 2-Fluorobiphenyl</i>	23.23		33.3333		69.7	14 - 139
<i>Surrogate: Nitrobenzene-d5</i>	20.99		33.3333		63.0	8 - 155
<i>Surrogate: 4-Terphenyl-d14</i>	32.25		33.3333		96.7	16 - 152



## Certificate of Analysis

GSI Environmental, Inc.  
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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD Limit	Notes
<b>Batch B2C1152 - GCVOA_S</b>								
<b>Blank (B2C1152-BLK1)</b>								
						Prepared: 3/15/2022 Analyzed: 3/15/2022		
C4-C12	ND	1.0	0.13					
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6919</i>			<i>0.800000</i>		<i>86.5</i>	<i>47.6 - 121.18</i>	
<b>LCS (B2C1152-BS1)</b>								
						Prepared: 3/15/2022 Analyzed: 3/15/2022		
Gasoline Range Organics	5.74600	1.0	0.13	5.00000		115	68.69 - 124.04	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7734</i>			<i>0.800000</i>		<i>96.7</i>	<i>47.6 - 121.18</i>	
<b>LCS Dup (B2C1152-BSD1)</b>								
						Prepared: 3/15/2022 Analyzed: 3/15/2022		
Gasoline Range Organics	5.63400	1.0	0.13	5.00000		113	68.69 - 124.04	1.97 20
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7505</i>			<i>0.800000</i>		<i>93.8</i>	<i>47.6 - 121.18</i>	



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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1032 - EPA 3050B\_S**

**Blank (B2C1032-BLK1)**

Prepared: 3/9/2022 Analyzed: 3/9/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

**LCS (B2C1032-BS1)**

Prepared: 3/9/2022 Analyzed: 3/9/2022

Antimony	26.2213	2.0	0.51	25.0000	105	80 - 120
Arsenic	27.1756	1.0	0.12	25.0000	109	80 - 120
Barium	26.1127	1.0	0.12	25.0000	104	80 - 120
Beryllium	28.0814	1.0	0.03	25.0100	112	80 - 120
Cadmium	27.1955	1.0	0.14	25.0000	109	80 - 120
Chromium	27.3470	1.0	0.26	25.0000	109	80 - 120
Cobalt	28.9780	1.0	0.07	25.0000	116	80 - 120
Copper	26.9327	2.0	0.19	25.0000	108	80 - 120
Lead	26.9355	1.0	0.18	25.0000	108	80 - 120
Molybdenum	27.8629	1.0	0.12	25.0000	111	80 - 120
Nickel	27.0212	1.0	0.18	25.0000	108	80 - 120
Selenium	28.1742	1.0	0.40	25.0000	113	80 - 120
Silver	12.8825	1.0	0.12	12.5000	103	80 - 120
Thallium	27.1773	1.0	0.38	25.0000	109	80 - 120
Vanadium	27.2601	1.0	0.06	25.0000	109	80 - 120
Zinc	26.9772	1.0	0.15	25.0000	108	80 - 120

**Matrix Spike (B2C1032-MS1)**

**Source: 2200315-01**

Prepared: 3/9/2022 Analyzed: 3/9/2022

Antimony	39.7045	2.0	0.51	25.0000	26.1027	54.4	0 - 102	
Arsenic	41.3429	1.0	0.12	25.0000	15.4172	104	55 - 117	
Barium	768.548	1.0	0.12	25.0000	713.375	221	11 - 177	M2
Beryllium	22.9591	1.0	0.03	25.0100	1.54836	85.6	64 - 115	
Cadmium	43.7769	1.0	0.14	25.0000	19.4841	97.2	62 - 116	
Chromium	268.463	1.0	0.26	25.0000	212.956	222	42 - 145	M2
Cobalt	59.4786	1.0	0.07	25.0000	33.8706	102	60 - 126	
Copper	696.152	100	9.4	25.0000	795.726	-398	37 - 163	M2
Lead	602.715	50	9.1	25.0000	5666.45	-20300	26 - 161	M2



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1032 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1032-MS1) - Continued**

**Source: 2200315-01**

Prepared: 3/9/2022 Analyzed: 3/9/2022

Molybdenum	104.606	1.0	0.12	25.0000	89.0377	62.3	31 - 122			
Nickel	215.563	1.0	0.18	25.0000	199.223	65.4	52 - 130			
Selenium	47.6704	1.0	0.40	25.0000	21.0207	107	25 - 129			
Silver	15.7183	1.0	0.12	12.5000	2.74922	104	48 - 133			
Thallium	18.9686	1.0	0.38	25.0000	ND	75.9	25 - 119			
Vanadium	94.3344	1.0	0.06	25.0000	53.8040	162	51 - 141			M2
Zinc	2516.87	50	7.5	25.0000	2754.58	-951	8 - 170			M2

**Matrix Spike Dup (B2C1032-MSD1)**

**Source: 2200315-01**

Prepared: 3/9/2022 Analyzed: 3/9/2022

Antimony	40.6889	2.0	0.51	25.0000	26.1027	58.3	0 - 102	2.45	20	
Arsenic	42.4332	1.0	0.12	25.0000	15.4172	108	55 - 117	2.60	20	
Barium	802.530	1.0	0.12	25.0000	713.375	357	11 - 177	4.33	20	M2
Beryllium	23.6303	1.0	0.03	25.0100	1.54836	88.3	64 - 115	2.88	20	
Cadmium	44.8365	1.0	0.14	25.0000	19.4841	101	62 - 116	2.39	20	
Chromium	277.023	1.0	0.26	25.0000	212.956	256	42 - 145	3.14	20	M2
Cobalt	60.4248	1.0	0.07	25.0000	33.8706	106	60 - 126	1.58	20	
Copper	811.221	100	9.4	25.0000	795.726	62.0	37 - 163	15.3	20	
Lead	720.704	50	9.1	25.0000	5666.45	-19800	26 - 161	17.8	20	M2
Molybdenum	109.156	1.0	0.12	25.0000	89.0377	80.5	31 - 122	4.26	20	
Nickel	222.871	1.0	0.18	25.0000	199.223	94.6	52 - 130	3.33	20	
Selenium	49.3315	1.0	0.40	25.0000	21.0207	113	25 - 129	3.42	20	
Silver	16.4811	1.0	0.12	12.5000	2.74922	110	48 - 133	4.74	20	
Thallium	20.5531	1.0	0.38	25.0000	ND	82.2	25 - 119	8.02	20	
Vanadium	96.9364	1.0	0.06	25.0000	53.8040	173	51 - 141	2.72	20	M2
Zinc	2999.52	50	7.5	25.0000	2754.58	980	8 - 170	17.5	20	M2



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1085 - EPA 7471_S</b>										
<b>Blank (B2C1085-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 3/11/2022 Analyzed: 3/14/2022
<b>LCS (B2C1085-BS1)</b>										
Mercury	0.424890	0.10	0.01	0.416667		102	80 - 120			Prepared: 3/11/2022 Analyzed: 3/14/2022
<b>Matrix Spike (B2C1085-MS1)</b>										
Mercury	0.418068	0.10	0.01	0.416667	0.021839	95.1	70 - 130			Source: 2200316-01 Prepared: 3/11/2022 Analyzed: 3/14/2022
<b>Matrix Spike Dup (B2C1085-MSD1)</b>										
Mercury	0.421348	0.10	0.01	0.416667	0.021839	95.9	70 - 130	0.782	20	Prepared: 3/11/2022 Analyzed: 3/14/2022



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Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/16/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C1085 - EPA 7471\_S

Post Spike (B2C1085-PS1)

Source: 2200316-01

Prepared: 3/11/2022 Analyzed: 3/14/2022

Mercury	0.005031		5.00000E-3	0.000262	95.4	85 - 115			
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Project Number : Ontario Airport / 5925  
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 Reported : 05/16/2022

### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1039 - GCSEMI_DRO_S</b>										
<b>Blank (B2C1039-BLK1)</b>										
						Prepared: 3/9/2022 Analyzed: 3/10/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<hr/>										
<i>Surrogate: p-Terphenyl</i>	<i>75.84</i>			<i>80.0000</i>		<i>94.8</i>	<i>62 - 141</i>			
<b>LCS (B2C1039-BS1)</b>										
						Prepared: 3/9/2022 Analyzed: 3/10/2022				
DRO	932.763	10	3.6	1000.00		93.3	56 - 139			
<hr/>										
<i>Surrogate: p-Terphenyl</i>	<i>80.56</i>			<i>80.0000</i>		<i>101</i>	<i>62 - 141</i>			
<b>Matrix Spike (B2C1039-MS1)</b>										
						Prepared: 3/9/2022 Analyzed: 3/10/2022				
DRO	932.858	10	3.6	1000.00	ND	93.3	38 - 161			
<hr/>										
<i>Surrogate: p-Terphenyl</i>	<i>81.55</i>			<i>80.0000</i>		<i>102</i>	<i>62 - 141</i>			
<b>Matrix Spike Dup (B2C1039-MSD1)</b>										
						Prepared: 3/9/2022 Analyzed: 3/10/2022				
DRO	937.937	10	3.6	1000.00	ND	93.8	38 - 161	0.543	20	
<hr/>										
<i>Surrogate: p-Terphenyl</i>	<i>82.82</i>			<i>80.0000</i>		<i>104</i>	<i>62 - 141</i>			



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Project Number : Ontario Airport / 5925  
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### Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1045 - GCSEMI\_PCB/PEST\_S**

**Blank (B2C1045-BLK1)**

Prepared: 3/9/2022 Analyzed: 3/9/2022

Aroclor 1016	ND	16	1.9
Aroclor 1221	ND	16	1.9
Aroclor 1232	ND	16	1.9
Aroclor 1242	ND	16	1.9
Aroclor 1248	ND	16	1.9
Aroclor 1254	ND	16	1.9
Aroclor 1260	ND	16	1.9

<i>Surrogate: Decachlorobiphenyl</i>	10.80		16.6667	64.8	0 - 87
<i>Surrogate: Tetrachloro-m-xylene</i>	10.03		16.6667	60.2	0 - 103

**LCS (B2C1045-BS1)**

Prepared: 3/9/2022 Analyzed: 3/9/2022

Aroclor 1016	123.368	16	1.9	333.333	37.0	11 - 108
Aroclor 1260	136.347	16	1.9	333.333	40.9	19 - 112

<i>Surrogate: Decachlorobiphenyl</i>	11.35		16.6667	68.1	0 - 87
<i>Surrogate: Tetrachloro-m-xylene</i>	11.18		16.6667	67.1	0 - 103

**Matrix Spike (B2C1045-MS1)**

**Source: 2200316-01**

Prepared: 3/9/2022 Analyzed: 3/9/2022

Aroclor 1016	106.090	16	1.9	333.333	ND	31.8	0 - 135
Aroclor 1260	119.952	16	1.9	333.333	ND	36.0	0 - 127

<i>Surrogate: Decachlorobiphenyl</i>	9.771		16.6667	58.6	0 - 87
<i>Surrogate: Tetrachloro-m-xylene</i>	9.669		16.6667	58.0	0 - 103

**Matrix Spike Dup (B2C1045-MSD1)**

**Source: 2200316-01**

Prepared: 3/9/2022 Analyzed: 3/9/2022

Aroclor 1016	109.417	16	1.9	333.333	ND	32.8	0 - 135	3.09	20
Aroclor 1260	123.399	16	1.9	333.333	ND	37.0	0 - 127	2.83	20

<i>Surrogate: Decachlorobiphenyl</i>	9.927		16.6667	59.6	0 - 87
<i>Surrogate: Tetrachloro-m-xylene</i>	9.928		16.6667	59.6	0 - 103



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B2C1079 - MSVOA\_S

#### Blank (B2C1079-BLK1)

Prepared: 3/11/2022 Analyzed: 3/11/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1079 - MSVOA\_S (continued)**

**Blank (B2C1079-BLK1) - Continued**

Prepared: 3/11/2022 Analyzed: 3/11/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	55.11		50.0000		110	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	50.98		50.0000		102	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	53.80		50.0000		108	77 - 159
<i>Surrogate: Toluene-d8</i>	50.46		50.0000		101	81 - 128

**LCS (B2C1079-BS1)**

Prepared: 3/11/2022 Analyzed: 3/11/2022

1,1,1,2-Tetrachloroethane	47.2000	5.0	0.52	50.0000	94.4	84 - 123
1,1,1-Trichloroethane	61.3800	5.0	0.26	50.0000	123	78 - 133
1,1,2,2-Tetrachloroethane	48.7000	5.0	0.21	50.0000	97.4	63 - 127
1,1,2-Trichloroethane	53.2500	5.0	0.40	50.0000	106	80 - 125
1,1-Dichloroethane	57.6900	5.0	1.4	50.0000	115	77 - 128
1,1-Dichloroethene	54.1200	5.0	1.9	50.0000	108	69 - 138
1,1-Dichloropropene	53.9900	5.0	0.54	50.0000	108	80 - 133
1,2,3-Trichloropropane	45.2200	5.0	0.40	50.0000	90.4	74 - 123
1,2,3-Trichlorobenzene	45.6600	5.0	0.83	50.0000	91.3	79 - 133
1,2,4-Trichlorobenzene	47.5500	5.0	0.80	50.0000	95.1	73 - 131
1,2,4-Trimethylbenzene	46.3800	5.0	0.91	50.0000	92.8	86 - 137
1,2-Dibromo-3-chloropropane	45.7700	10	1.1	50.0000	91.5	62 - 127
1,2-Dibromoethane	53.5100	5.0	0.40	50.0000	107	83 - 126
1,2-Dichlorobenzene	45.8300	5.0	0.21	50.0000	91.7	83 - 123
1,2-Dichloroethane	51.0400	5.0	0.50	50.0000	102	76 - 128



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1079 - MSVOA\_S (continued)**

**LCS (B2C1079-BS1) - Continued**

Prepared: 3/11/2022 Analyzed: 3/11/2022

1,2-Dichloropropane	53.6900	5.0	0.46	50.0000		107	77 - 121			
1,3,5-Trimethylbenzene	45.3800	5.0	0.70	50.0000		90.8	84 - 135			
1,3-Dichlorobenzene	45.7700	5.0	0.36	50.0000		91.5	81 - 126			
1,3-Dichloropropane	49.7000	5.0	0.49	50.0000		99.4	80 - 118			
1,4-Dichlorobenzene	46.6700	5.0	0.27	50.0000		93.3	80 - 124			
2,2-Dichloropropane	57.8400	5.0	0.28	50.0000		116	72 - 135			
2-Chlorotoluene	45.6500	5.0	0.53	50.0000		91.3	81 - 127			
4-Chlorotoluene	46.7600	5.0	0.40	50.0000		93.5	83 - 127			
4-Isopropyltoluene	45.9600	5.0	0.81	50.0000		91.9	82 - 143			
Benzene	53.3000	5.0	0.36	50.0000		107	84 - 123			
Bromobenzene	46.5300	5.0	0.62	50.0000		93.1	80 - 122			
Bromochloromethane	58.4100	5.0	0.30	50.0000		117	83 - 127			
Bromodichloromethane	55.3800	5.0	0.52	50.0000		111	82 - 123			
Bromoform	47.8600	5.0	1.4	50.0000		95.7	80 - 132			
Bromomethane	53.5100	5.0	2.5	50.0000		107	67 - 176			
Carbon disulfide	54.8500	5.0	0.94	50.0000		110	75 - 138			
Carbon tetrachloride	51.9100	5.0	0.73	50.0000		104	76 - 131			
Chlorobenzene	48.9800	5.0	0.42	50.0000		98.0	84 - 119			
Chloroethane	65.9500	5.0	1.5	50.0000		132	56 - 170			
Chloroform	60.6400	5.0	0.24	50.0000		121	78 - 129			
Chloromethane	54.8000	5.0	1.1	50.0000		110	63 - 141			
cis-1,2-Dichloroethene	45.1200	5.0	0.20	50.0000		90.2	83 - 125			
cis-1,3-Dichloropropene	53.2900	5.0	0.39	50.0000		107	76 - 129			
Di-isopropyl ether	59.2400	5.0	1.9	50.0000		118	73 - 132			
Dibromochloromethane	49.7100	5.0	0.81	50.0000		99.4	81 - 120			
Dibromomethane	55.0100	5.0	0.23	50.0000		110	79 - 124			
Dichlorodifluoromethane	48.7600	5.0	0.14	50.0000		97.5	18 - 199			
Ethyl Acetate	53.2000	50	7.0	500.000		10.6	76 - 138			MO
Ethyl Ether	618.390	50	17	500.000		124	74 - 128			
Ethyl tert-butyl ether	55.8300	5.0	0.85	50.0000		112	50 - 175			
Ethylbenzene	49.4500	5.0	0.43	50.0000		98.9	86 - 130			
Freon-113	61.1300	5.0	1.3	50.0000		122	66 - 132			
Hexachlorobutadiene	45.6900	5.0	0.40	50.0000		91.4	64 - 135			
Isopropylbenzene	47.4300	5.0	0.79	50.0000		94.9	80 - 133			
m,p-Xylene	90.1000	10	0.98	100.000		90.1	89 - 133			
Methylene chloride	52.4300	5.0	2.2	50.0000		105	72 - 143			
MTBE	52.8600	5.0	0.81	50.0000		106	73 - 136			
n-Butylbenzene	47.3300	5.0	1.2	50.0000		94.7	76 - 144			
n-Propylbenzene	45.9100	5.0	0.78	50.0000		91.8	81 - 136			
Naphthalene	47.8500	5.0	1.1	50.0000		95.7	64 - 128			
o-Xylene	48.4000	5.0	0.67	50.0000		96.8	82 - 134			
sec-Butylbenzene	47.3200	5.0	0.63	50.0000		94.6	81 - 138			
Styrene	48.9700	5.0	0.45	50.0000		97.9	79 - 152			
tert-Amyl methyl ether	60.1900	5.0	1.1	50.0000		120	48 - 166			
tert-Butanol	309.200	100	11	250.000		124	48 - 148			



## Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	Limit	Notes
<b>Batch B2C1079 - MSVOA_S (continued)</b>									
<b>LCS (B2C1079-BS1) - Continued</b>					Prepared: 3/11/2022 Analyzed: 3/11/2022				
tert-Butylbenzene	45.6900	5.0	0.80	50.0000		91.4		81 - 135	
Tetrachloroethene	48.2900	5.0	0.31	50.0000		96.6		75 - 127	
Toluene	54.0500	5.0	0.27	50.0000		108		88 - 130	
trans-1,2-Dichloroethene	73.6100	5.0	0.56	50.0000		147		79 - 127	L5
trans-1,3-Dichloropropene	50.3700	5.0	0.59	50.0000		101		80 - 130	
Trichloroethene	52.6700	5.0	0.32	50.0000		105		83 - 126	
Trichlorofluoromethane	64.0900	5.0	1.0	50.0000		128		62 - 143	
Vinyl acetate	59.5700	50	6.0	500.000		11.9		69 - 150	MO
Vinyl chloride	59.5200	5.0	0.92	50.0000		119		69 - 140	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>55.92</i>			<i>50.0000</i>		<i>112</i>		<i>66 - 200</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.09</i>			<i>50.0000</i>		<i>102</i>		<i>50 - 146</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>55.82</i>			<i>50.0000</i>		<i>112</i>		<i>77 - 159</i>	
<i>Surrogate: Toluene-d8</i>	<i>51.16</i>			<i>50.0000</i>		<i>102</i>		<i>81 - 128</i>	

<b>LCS Dup (B2C1079-BSD1)</b>					Prepared: 3/11/2022 Analyzed: 3/11/2022				
1,1,1,2-Tetrachloroethane	45.6700	5.0	0.52	50.0000		91.3		84 - 123	3.29 20
1,1,1-Trichloroethane	59.1600	5.0	0.26	50.0000		118		78 - 133	3.68 20
1,1,2,2-Tetrachloroethane	48.1000	5.0	0.21	50.0000		96.2		63 - 127	1.24 20
1,1,2-Trichloroethane	54.0800	5.0	0.40	50.0000		108		80 - 125	1.55 20
1,1-Dichloroethane	55.2000	5.0	1.4	50.0000		110		77 - 128	4.41 20
1,1-Dichloroethene	51.4200	5.0	1.9	50.0000		103		69 - 138	5.12 20
1,1-Dichloropropene	54.0000	5.0	0.54	50.0000		108		80 - 133	0.0185 20
1,2,3-Trichloropropane	45.7600	5.0	0.40	50.0000		91.5		74 - 123	1.19 20
1,2,3-Trichlorobenzene	46.1800	5.0	0.83	50.0000		92.4		79 - 133	1.13 20
1,2,4-Trichlorobenzene	45.9100	5.0	0.80	50.0000		91.8		73 - 131	3.51 20
1,2,4-Trimethylbenzene	45.7500	5.0	0.91	50.0000		91.5		86 - 137	1.37 20
1,2-Dibromo-3-chloropropane	49.2100	10	1.1	50.0000		98.4		62 - 127	7.24 20
1,2-Dibromoethane	54.8400	5.0	0.40	50.0000		110		83 - 126	2.46 20
1,2-Dichlorobenzene	46.5800	5.0	0.21	50.0000		93.2		83 - 123	1.62 20
1,2-Dichloroethane	53.8000	5.0	0.50	50.0000		108		76 - 128	5.27 20
1,2-Dichloropropane	54.5400	5.0	0.46	50.0000		109		77 - 121	1.57 20
1,3,5-Trimethylbenzene	44.6300	5.0	0.70	50.0000		89.3		84 - 135	1.67 20
1,3-Dichlorobenzene	45.5000	5.0	0.36	50.0000		91.0		81 - 126	0.592 20
1,3-Dichloropropane	48.1800	5.0	0.49	50.0000		96.4		80 - 118	3.11 20
1,4-Dichlorobenzene	46.9500	5.0	0.27	50.0000		93.9		80 - 124	0.598 20
2,2-Dichloropropane	53.8300	5.0	0.28	50.0000		108		72 - 135	7.18 20
2-Chlorotoluene	45.4300	5.0	0.53	50.0000		90.9		81 - 127	0.483 20
4-Chlorotoluene	46.7000	5.0	0.40	50.0000		93.4		83 - 127	0.128 20
4-Isopropyltoluene	44.1300	5.0	0.81	50.0000		88.3		82 - 143	4.06 20
Benzene	53.4300	5.0	0.36	50.0000		107		84 - 123	0.244 20
Bromobenzene	47.0000	5.0	0.62	50.0000		94.0		80 - 122	1.01 20
Bromochloromethane	57.5900	5.0	0.30	50.0000		115		83 - 127	1.41 20
Bromodichloromethane	55.2800	5.0	0.52	50.0000		111		82 - 123	0.181 20
Bromoform	46.5100	5.0	1.4	50.0000		93.0		80 - 132	2.86 20
Bromomethane	51.0400	5.0	2.5	50.0000		102		67 - 176	4.73 20



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1079 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C1079-BSD1) - Continued</b>										
					Prepared: 3/11/2022 Analyzed: 3/11/2022					
Carbon disulfide	52.4900	5.0	0.94	50.0000		105	75 - 138	4.40	20	
Carbon tetrachloride	51.7100	5.0	0.73	50.0000		103	76 - 131	0.386	20	
Chlorobenzene	46.8500	5.0	0.42	50.0000		93.7	84 - 119	4.45	20	
Chloroethane	64.3700	5.0	1.5	50.0000		129	56 - 170	2.42	20	
Chloroform	57.1700	5.0	0.24	50.0000		114	78 - 129	5.89	20	
Chloromethane	52.6000	5.0	1.1	50.0000		105	63 - 141	4.10	20	
cis-1,2-Dichloroethene	43.3900	5.0	0.20	50.0000		86.8	83 - 125	3.91	20	
cis-1,3-Dichloropropene	51.9700	5.0	0.39	50.0000		104	76 - 129	2.51	20	
Di-isopropyl ether	57.5000	5.0	1.9	50.0000		115	73 - 132	2.98	20	
Dibromochloromethane	50.2700	5.0	0.81	50.0000		101	81 - 120	1.12	20	
Dibromomethane	55.6700	5.0	0.23	50.0000		111	79 - 124	1.19	20	
Dichlorodifluoromethane	44.7400	5.0	0.14	50.0000		89.5	18 - 199	8.60	20	
Ethyl Acetate	30.7200	50	7.0	500.000		6.14	76 - 138	53.6	20	MO
Ethyl Ether	595.830	50	17	500.000		119	74 - 128	3.72	20	
Ethyl tert-butyl ether	54.5300	5.0	0.85	50.0000		109	50 - 175	2.36	20	
Ethylbenzene	46.7700	5.0	0.43	50.0000		93.5	86 - 130	5.57	20	
Freon-113	59.1100	5.0	1.3	50.0000		118	66 - 132	3.36	20	
Hexachlorobutadiene	45.5100	5.0	0.40	50.0000		91.0	64 - 135	0.395	20	
Isopropylbenzene	46.0100	5.0	0.79	50.0000		92.0	80 - 133	3.04	20	
m,p-Xylene	87.1200	10	0.98	100.000		87.1	89 - 133	3.36	20	L3
Methylene chloride	51.0500	5.0	2.2	50.0000		102	72 - 143	2.67	20	
MTBE	52.0800	5.0	0.81	50.0000		104	73 - 136	1.49	20	
n-Butylbenzene	45.7300	5.0	1.2	50.0000		91.5	76 - 144	3.44	20	
n-Propylbenzene	44.6800	5.0	0.78	50.0000		89.4	81 - 136	2.72	20	
Naphthalene	47.9100	5.0	1.1	50.0000		95.8	64 - 128	0.125	20	
o-Xylene	47.1700	5.0	0.67	50.0000		94.3	82 - 134	2.57	20	
sec-Butylbenzene	46.1400	5.0	0.63	50.0000		92.3	81 - 138	2.53	20	
Styrene	47.5100	5.0	0.45	50.0000		95.0	79 - 152	3.03	20	
tert-Amyl methyl ether	59.4300	5.0	1.1	50.0000		119	48 - 166	1.27	20	
tert-Butanol	297.920	100	11	250.000		119	48 - 148	3.72	20	
tert-Butylbenzene	45.2700	5.0	0.80	50.0000		90.5	81 - 135	0.923	20	
Tetrachloroethene	46.4700	5.0	0.31	50.0000		92.9	75 - 127	3.84	20	
Toluene	53.1100	5.0	0.27	50.0000		106	88 - 130	1.75	20	
trans-1,2-Dichloroethene	69.7700	5.0	0.56	50.0000		140	79 - 127	5.36	20	L5
trans-1,3-Dichloropropene	50.1400	5.0	0.59	50.0000		100	80 - 130	0.458	20	
Trichloroethene	53.4600	5.0	0.32	50.0000		107	83 - 126	1.49	20	
Trichlorofluoromethane	59.5900	5.0	1.0	50.0000		119	62 - 143	7.28	20	
Vinyl acetate	36.7400	50	6.0	500.000		7.35	69 - 150	47.4	20	MO
Vinyl chloride	56.0900	5.0	0.92	50.0000		112	69 - 140	5.93	20	

Surrogate: 1,2-Dichloroethane-d4	51.14			50.0000		102	66 - 200			
Surrogate: 4-Bromofluorobenzene	50.68			50.0000		101	50 - 146			
Surrogate: Dibromofluoromethane	53.56			50.0000		107	77 - 159			
Surrogate: Toluene-d8	52.73			50.0000		105	81 - 128			

3.4°C

2200316

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		PROJECT NAME: Ontario Airport		PROJECT NO.: 5925																			
TEL: (949) 679-1070		PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel																			
E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		GLOBAL ID:		SAMPLER(S): (PRINT) Tian Nwin / Josh Voss																			
LABORATORY: Advanced Technology Laboratories		REQUESTED ANALYSES Please check box or fill in blank as needed.																					
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD																							
SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32																							
LAB USE ONLY	SAMPLE ID	SAMPLING TIME		MATRIX	NO. OF CONT.	Preservation			Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051					
		DATE	TIME			Unpreserved	Preserved																
1	68-17-2-1	3/8/22	0918	Soil	1	1				X													
2	68-17-1-1		0954		1	1				X													
3	68-17-1-5.5		1015		5	1	4			X	X	X											
4	68-17-2-5.5		1035		5	1	4			X	X	X											
5	68-17-3-1		1050		1	1				X													
6	68-17-3-5.5		1103		5	1	4			X	X	X											
7	68-22-1-1-1		1245		1	1				X													
8	68-22-1-1-5.5		1255		5	1	4			X	X	X											
9	TB-20220308		1325	Water	4		4												X				
10	68-22-1-2-1		1339	Soil	1					X													
11	68-22-1-2-5.5		1350		5	1	4				X	X	X										
12	68-22-Shed 1-1-1		1424		1	1				X													
13	68-22-Shed 1-1-5.5		1430		5	1	4			X	X	X											
14	ED-20220308		1445	Water	5	1	4												X				
Relinquished by: (Signature)		Date: 3/8/22		Time: 15:08		Received by: (Signature)														Date: 3/8/22		Time: 17:06	
Relinquished by: (Signature)		Date: 3/8/22		Time: 17:06		Received by: (Signature)														Date: 3/8/22		Time: 17:06	
Relinquished by: (Signature)		Date: 3/8/22		Time: 17:06		Received by: (Signature)														Date: 3/8/22		Time: 17:06	



May 16, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

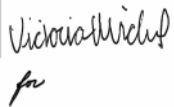
ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200329  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 09, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 05/16/22 10:20 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-42-1-1	2200329-01	Soil	3/09/22 8:16	3/09/22 18:09
61W-42-1-5.5	2200329-02	Soil	3/09/22 8:38	3/09/22 18:09
61W-41-2-1	2200329-03	Soil	3/09/22 9:10	3/09/22 18:09
61W-41-2-5.5	2200329-04	Soil	3/09/22 9:22	3/09/22 18:09
61W-41-1-1	2200329-05	Soil	3/09/22 9:52	3/09/22 18:09
61W-41-1-5.5	2200329-06	Soil	3/09/22 10:05	3/09/22 18:09
61W-40-1-1	2200329-07	Soil	3/09/22 10:38	3/09/22 18:09
61W-40-1-5.5	2200329-08	Soil	3/09/22 11:05	3/09/22 18:09
61W-29-3-1	2200329-09	Soil	3/09/22 12:00	3/09/22 18:09
61W-29-3-5	2200329-10	Soil	3/09/22 12:14	3/09/22 18:09
61W-29-2-1	2200329-11	Soil	3/09/22 13:06	3/09/22 18:09
61W-29-2-5	2200329-12	Soil	3/09/22 13:13	3/09/22 18:09
TB_20220309	2200329-13	Water	3/09/22 13:16	3/09/22 18:09
61W-29-1-1	2200329-14	Soil	3/09/22 13:28	3/09/22 18:09
61W-29-1-5	2200329-15	Soil	3/09/22 13:33	3/09/22 18:09
61W-24-1-1	2200329-16	Soil	3/09/22 14:05	3/09/22 18:09
61W-24-1-3	2200329-17	Soil	3/09/22 14:08	3/09/22 18:09



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### Notes and Definitions

S4	Surrogate was diluted out.
S1	Surrogate recovery was above laboratory acceptance limit. No associated target analyte was detected in the sample.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
D10	Sample required dilution due to dark sample
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

- Notes:
- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
  - (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
  - (3) Results are wet unless otherwise specified.



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

### Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200329-01	61W-42-1-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22	11:37	
2200329-03	61W-41-2-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22	11:39	
2200329-05	61W-41-1-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22	11:48	
2200329-07	61W-40-1-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22	11:50	
2200329-09	61W-29-3-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22	11:53	
2200329-11	61W-29-2-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22	11:56	
2200329-14	61W-29-1-1	ND	mg/kg	0.10	1	B2C1085	03/11/2022	03/14/22	11:59	

Client Sample ID: 61W-42-1-1

Lab ID: 2200329-01

### Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time		Notes
						Analized		
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22	17:07	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
<b>Barium</b>	<b>84</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
<b>Beryllium</b>	<b>2.0</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
<b>Chromium</b>	<b>11</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
<b>Cobalt</b>	<b>4.5</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
<b>Copper</b>	<b>8.2</b>	2.0	1	B2C1100	03/15/2022	03/15/22	17:07	
<b>Lead</b>	<b>2.1</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
<b>Nickel</b>	<b>4.9</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
<b>Selenium</b>	<b>1.5</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
<b>Silver</b>	<b>4.3</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
<b>Vanadium</b>	<b>25</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	
<b>Zinc</b>	<b>31</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:07	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-42-1-5.5**  
**Lab ID: 2200329-02**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1117	03/12/2022	03/15/22 00:15	
C23-C32	ND	10	1	B2C1117	03/12/2022	03/15/22 00:15	
<i>Surrogate: p-Terphenyl</i>	<i>184 %</i>	<i>62 - 141</i>		B2C1117	03/12/2022	<i>03/15/22 00:15</i>	S1

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1,1-Trichloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1,2-Trichloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1-Dichloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1-Dichloroethene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,1-Dichloropropene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2,3-Trichloropropane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2-Dibromoethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2-Dichlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2-Dichloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,2-Dichloropropane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,3-Dichlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,3-Dichloropropane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
1,4-Dichlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
2,2-Dichloropropane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
2-Chlorotoluene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
4-Chlorotoluene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
4-Isopropyltoluene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Benzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Bromobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Bromochloromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Bromodichloromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Bromoform	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Bromomethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Carbon disulfide	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-42-1-5.5**  
**Lab ID: 2200329-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Chlorobenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Chloroethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Chloroform	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Chloromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Di-isopropyl ether	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Dibromochloromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Dibromomethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Dichlorodifluoromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Ethyl Acetate	ND	43	1	B2C1128	03/15/2022	03/14/22 15:14	
Ethyl Ether	ND	43	1	B2C1128	03/15/2022	03/14/22 15:14	
Ethyl tert-butyl ether	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Ethylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Freon-113	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Hexachlorobutadiene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Isopropylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
m,p-Xylene	ND	8.7	1	B2C1128	03/15/2022	03/14/22 15:14	
Methylene chloride	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
MTBE	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
n-Butylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
n-Propylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Naphthalene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
o-Xylene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
sec-Butylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Styrene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
tert-Amyl methyl ether	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
tert-Butanol	ND	87	1	B2C1128	03/15/2022	03/14/22 15:14	
tert-Butylbenzene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Tetrachloroethene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Toluene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Trichloroethene	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Trichlorofluoromethane	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	
Vinyl acetate	ND	43	1	B2C1128	03/15/2022	03/14/22 15:14	
Vinyl chloride	ND	4.3	1	B2C1128	03/15/2022	03/14/22 15:14	

Surrogate: 1,2-Dichloroethane-d4      170 %      66 - 200      B2C1128      03/15/2022      03/14/22 15:14  
 Surrogate: 4-Bromofluorobenzene      109 %      50 - 146      B2C1128      03/15/2022      03/14/22 15:14



## Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

**Client Sample ID: 61W-42-1-5.5**

**Lab ID: 2200329-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	116 %	77 - 159		B2C1128	03/15/2022	03/14/22 15:14	
<i>Surrogate: Toluene-d8</i>	110 %	81 - 128		B2C1128	03/15/2022	03/14/22 15:14	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1132	03/14/2022	03/14/22 22:43	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.9 %	47.6 - 121.18		B2C1132	03/14/2022	03/14/22 22:43	

**Client Sample ID: 61W-41-2-1**

**Lab ID: 2200329-03**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
<b>Barium</b>	<b>92</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
<b>Beryllium</b>	<b>2.1</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
<b>Cobalt</b>	<b>4.8</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
<b>Copper</b>	<b>10</b>	2.0	1	B2C1100	03/15/2022	03/15/22 17:09	
<b>Lead</b>	<b>2.3</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
<b>Nickel</b>	<b>5.1</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Selenium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
<b>Silver</b>	<b>4.6</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
<b>Vanadium</b>	<b>27</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	
<b>Zinc</b>	<b>36</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:09	



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Project Number : Ontario Airport / 5925  
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Reported : 05/16/2022

**Client Sample ID: 61W-41-2-5.5**  
**Lab ID: 2200329-04**

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 17:16	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>47.1 %</i>	<i>12 - 125</i>		B2C1140	03/14/2022	<i>03/16/22 17:16</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>53.0 %</i>	<i>14 - 139</i>		B2C1140	03/14/2022	<i>03/16/22 17:16</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>28.5 %</i>	<i>8 - 155</i>		B2C1140	03/14/2022	<i>03/16/22 17:16</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>97.5 %</i>	<i>16 - 152</i>		B2C1140	03/14/2022	<i>03/16/22 17:16</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1117	03/12/2022	03/15/22 00:38	
C23-C32	ND	10	1	B2C1117	03/12/2022	03/15/22 00:38	
<i>Surrogate: p-Terphenyl</i>	<i>98.5 %</i>	<i>62 - 141</i>		B2C1117	03/12/2022	<i>03/15/22 00:38</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,1,1-Trichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,1,2-Trichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	





# Certificate of Analysis

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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-41-2-5.5**  
**Lab ID: 2200329-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,1-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,1-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2,3-Trichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2-Dibromoethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2-Dichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,2-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,3-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,3-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
1,4-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
2,2-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
2-Chlorotoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
4-Chlorotoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
4-Isopropyltoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Benzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Bromobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Bromochloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Bromodichloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Bromoform	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Bromomethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Carbon disulfide	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Carbon tetrachloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Chlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Chloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Chloroform	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Chloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
cis-1,2-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
cis-1,3-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Di-isopropyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Dibromochloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Dibromomethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Dichlorodifluoromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Ethyl Acetate	ND	51	1	B2C1128	03/15/2022	03/14/22 15:40	
Ethyl Ether	ND	51	1	B2C1128	03/15/2022	03/14/22 15:40	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-41-2-5.5**  
**Lab ID: 2200329-04**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Ethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Freon-113	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Hexachlorobutadiene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Isopropylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
m,p-Xylene	ND	10	1	B2C1128	03/15/2022	03/14/22 15:40	
Methylene chloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
MTBE	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
n-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
n-Propylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Naphthalene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
o-Xylene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
sec-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Styrene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
tert-Amyl methyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
tert-Butanol	ND	100	1	B2C1128	03/15/2022	03/14/22 15:40	
tert-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Tetrachloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Toluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
trans-1,2-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
trans-1,3-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Trichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Trichlorofluoromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
Vinyl acetate	ND	51	1	B2C1128	03/15/2022	03/14/22 15:40	
Vinyl chloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 15:40	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>146 %</i>	<i>66 - 200</i>		B2C1128	03/15/2022	03/14/22 15:40	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.9 %</i>	<i>50 - 146</i>		B2C1128	03/15/2022	03/14/22 15:40	
<i>Surrogate: Dibromofluoromethane</i>	<i>108 %</i>	<i>77 - 159</i>		B2C1128	03/15/2022	03/14/22 15:40	
<i>Surrogate: Toluene-d8</i>	<i>112 %</i>	<i>81 - 128</i>		B2C1128	03/15/2022	03/14/22 15:40	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1132	03/14/2022	03/14/22 23:08	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.6 %</i>	<i>47.6 - 121.18</i>		B2C1132	03/14/2022	03/14/22 23:08	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-41-1-1**  
**Lab ID: 2200329-05**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
<b>Barium</b>	<b>77</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
<b>Beryllium</b>	<b>2.1</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
<b>Chromium</b>	<b>11</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
<b>Cobalt</b>	<b>4.6</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
<b>Copper</b>	<b>7.8</b>	2.0	1	B2C1100	03/15/2022	03/15/22 17:10	
<b>Lead</b>	<b>2.0</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
<b>Nickel</b>	<b>5.0</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
<b>Selenium</b>	<b>1.1</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
<b>Silver</b>	<b>4.4</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
<b>Vanadium</b>	<b>25</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	
<b>Zinc</b>	<b>30</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:10	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-41-1-5.5**  
**Lab ID: 2200329-06**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Acenaphthene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Acenaphthylene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Anthracene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Benzo(a)anthracene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Benzo(a)pyrene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Benzo(b)fluoranthene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Benzo(g,h,i)perylene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Benzo(k)fluoranthene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Chrysene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Dibenz(a,h)anthracene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Fluoranthene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Fluorene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Indeno(1,2,3-cd)pyrene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Naphthalene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Phenanthrene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
Pyrene	ND	25	5	B2C1140	03/14/2022	03/16/22 17:42	D10
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>41.5 %</i>	<i>12 - 125</i>		B2C1140	03/14/2022	<i>03/16/22 17:42</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>43.7 %</i>	<i>14 - 139</i>		B2C1140	03/14/2022	<i>03/16/22 17:42</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>5.36 %</i>	<i>8 - 155</i>		B2C1140	03/14/2022	<i>03/16/22 17:42</i>	S4
<i>Surrogate: 4-Terphenyl-d14</i>	<i>164 %</i>	<i>16 - 152</i>		B2C1140	03/14/2022	<i>03/16/22 17:42</i>	S4

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	20	2	B2C1117	03/12/2022	03/15/22 01:01	D10
C23-C32	ND	20	2	B2C1117	03/12/2022	03/15/22 01:01	D10
<i>Surrogate: p-Terphenyl</i>	<i>95.3 %</i>	<i>62 - 141</i>		B2C1117	03/12/2022	<i>03/15/22 01:01</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,1,1-Trichloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,1,2-Trichloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-41-1-5.5**  
**Lab ID: 2200329-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,1-Dichloroethene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,1-Dichloropropene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2,3-Trichloropropane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2-Dibromo-3-chloropropane	ND	7.8	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2-Dibromoethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2-Dichlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2-Dichloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,2-Dichloropropane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,3-Dichlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,3-Dichloropropane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
1,4-Dichlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
2,2-Dichloropropane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
2-Chlorotoluene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
4-Chlorotoluene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
4-Isopropyltoluene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Benzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Bromobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Bromochloromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Bromodichloromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Bromoform	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Bromomethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Carbon disulfide	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Carbon tetrachloride	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Chlorobenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Chloroethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Chloroform	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Chloromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Di-isopropyl ether	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Dibromochloromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Dibromomethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Dichlorodifluoromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Ethyl Acetate	ND	39	1	B2C1128	03/15/2022	03/14/22 16:06	
Ethyl Ether	ND	39	1	B2C1128	03/15/2022	03/14/22 16:06	



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-41-1-5.5**  
**Lab ID: 2200329-06**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Ethylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Freon-113	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Hexachlorobutadiene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Isopropylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
m,p-Xylene	ND	7.8	1	B2C1128	03/15/2022	03/14/22 16:06	
Methylene chloride	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
MTBE	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
n-Butylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
n-Propylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Naphthalene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
o-Xylene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
sec-Butylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Styrene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
tert-Amyl methyl ether	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
tert-Butanol	ND	78	1	B2C1128	03/15/2022	03/14/22 16:06	
tert-Butylbenzene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Tetrachloroethene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Toluene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Trichloroethene	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Trichlorofluoromethane	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
Vinyl acetate	ND	39	1	B2C1128	03/15/2022	03/14/22 16:06	
Vinyl chloride	ND	3.9	1	B2C1128	03/15/2022	03/14/22 16:06	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>156 %</i>	<i>66 - 200</i>		B2C1128	03/15/2022	03/14/22 16:06	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>50 - 146</i>		B2C1128	03/15/2022	03/14/22 16:06	
<i>Surrogate: Dibromofluoromethane</i>	<i>111 %</i>	<i>77 - 159</i>		B2C1128	03/15/2022	03/14/22 16:06	
<i>Surrogate: Toluene-d8</i>	<i>111 %</i>	<i>81 - 128</i>		B2C1128	03/15/2022	03/14/22 16:06	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.78	1	B2C1132	03/14/2022	03/14/22 23:32	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.3 %</i>	<i>47.6 - 121.18</i>		B2C1132	03/14/2022	03/14/22 23:32	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

**Client Sample ID: 61W-40-1-1**  
**Lab ID: 2200329-07**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
<b>Barium</b>	<b>76</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
<b>Beryllium</b>	<b>1.9</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
<b>Chromium</b>	<b>10</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
<b>Cobalt</b>	<b>4.2</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
<b>Copper</b>	<b>7.5</b>	2.0	1	B2C1100	03/15/2022	03/15/22 17:12	
<b>Lead</b>	<b>1.7</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
<b>Nickel</b>	<b>4.4</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
<b>Selenium</b>	<b>1.4</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
<b>Silver</b>	<b>4.1</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
<b>Vanadium</b>	<b>22</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	
<b>Zinc</b>	<b>29</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:12	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-40-1-5.5**  
**Lab ID: 2200329-08**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
<b>Benzo(g,h,i)perylene</b>	<b>6.4</b>	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
<b>Chrysene</b>	<b>7.6</b>	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 18:08	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>47.4 %</i>	<i>12 - 125</i>		B2C1140	03/14/2022	<i>03/16/22 18:08</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>57.0 %</i>	<i>14 - 139</i>		B2C1140	03/14/2022	<i>03/16/22 18:08</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>32.0 %</i>	<i>8 - 155</i>		B2C1140	03/14/2022	<i>03/16/22 18:08</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>117 %</i>	<i>16 - 152</i>		B2C1140	03/14/2022	<i>03/16/22 18:08</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1117	03/12/2022	03/15/22 01:23	
C23-C32	ND	10	1	B2C1117	03/12/2022	03/15/22 01:23	
<i>Surrogate: p-Terphenyl</i>	<i>98.8 %</i>	<i>62 - 141</i>		B2C1117	03/12/2022	<i>03/15/22 01:23</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,1,1-Trichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,1,2-Trichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	





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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-40-1-5.5**  
**Lab ID: 2200329-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,1-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,1-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2,3-Trichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2-Dibromoethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2-Dichloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,2-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,3-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,3-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
1,4-Dichlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
2,2-Dichloropropane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
2-Chlorotoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
4-Chlorotoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
4-Isopropyltoluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Benzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Bromobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Bromochloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Bromodichloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Bromoform	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Bromomethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Carbon disulfide	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Carbon tetrachloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Chlorobenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Chloroethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Chloroform	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Chloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
cis-1,2-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
cis-1,3-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Di-isopropyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Dibromochloromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Dibromomethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Dichlorodifluoromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Ethyl Acetate	ND	51	1	B2C1128	03/15/2022	03/14/22 16:31	
Ethyl Ether	ND	51	1	B2C1128	03/15/2022	03/14/22 16:31	



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-40-1-5.5**  
**Lab ID: 2200329-08**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Ethylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Freon-113	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Hexachlorobutadiene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Isopropylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
m,p-Xylene	ND	10	1	B2C1128	03/15/2022	03/14/22 16:31	
Methylene chloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
MTBE	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
n-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
n-Propylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Naphthalene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
o-Xylene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
sec-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Styrene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
tert-Amyl methyl ether	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
tert-Butanol	ND	100	1	B2C1128	03/15/2022	03/14/22 16:31	
tert-Butylbenzene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Tetrachloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Toluene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
trans-1,2-Dichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
trans-1,3-Dichloropropene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Trichloroethene	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Trichlorofluoromethane	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
Vinyl acetate	ND	51	1	B2C1128	03/15/2022	03/14/22 16:31	
Vinyl chloride	ND	5.1	1	B2C1128	03/15/2022	03/14/22 16:31	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>154 %</i>	<i>66 - 200</i>		B2C1128	03/15/2022	03/14/22 16:31	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>108 %</i>	<i>50 - 146</i>		B2C1128	03/15/2022	03/14/22 16:31	
<i>Surrogate: Dibromofluoromethane</i>	<i>109 %</i>	<i>77 - 159</i>		B2C1128	03/15/2022	03/14/22 16:31	
<i>Surrogate: Toluene-d8</i>	<i>113 %</i>	<i>81 - 128</i>		B2C1128	03/15/2022	03/14/22 16:31	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1132	03/14/2022	03/14/22 23:57	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.7 %</i>	<i>47.6 - 121.18</i>		B2C1132	03/14/2022	03/14/22 23:57	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-29-3-1**  
**Lab ID: 2200329-09**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
<b>Barium</b>	<b>86</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
<b>Beryllium</b>	<b>1.9</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
<b>Chromium</b>	<b>11</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
<b>Cobalt</b>	<b>4.4</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
<b>Copper</b>	<b>7.3</b>	2.0	1	B2C1100	03/15/2022	03/15/22 17:13	
<b>Lead</b>	<b>2.7</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
<b>Nickel</b>	<b>4.8</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Selenium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
<b>Silver</b>	<b>4.1</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
<b>Vanadium</b>	<b>25</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:13	



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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-29-2-1**  
**Lab ID: 2200329-11**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
<b>Barium</b>	<b>75</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
<b>Beryllium</b>	<b>1.7</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
<b>Chromium</b>	<b>10</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
<b>Cobalt</b>	<b>4.0</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
<b>Copper</b>	<b>7.0</b>	2.0	1	B2C1100	03/15/2022	03/15/22 17:15	
<b>Lead</b>	<b>2.6</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
<b>Nickel</b>	<b>4.3</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Selenium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
<b>Silver</b>	<b>3.7</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
<b>Vanadium</b>	<b>23</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	
<b>Zinc</b>	<b>31</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:15	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-29-1-1**  
**Lab ID: 2200329-14**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
<b>Barium</b>	<b>64</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
<b>Beryllium</b>	<b>1.7</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
<b>Chromium</b>	<b>10</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
<b>Cobalt</b>	<b>3.7</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
<b>Copper</b>	<b>8.3</b>	2.0	1	B2C1100	03/15/2022	03/15/22 17:17	
<b>Lead</b>	<b>5.9</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
<b>Nickel</b>	<b>5.5</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Selenium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
<b>Silver</b>	<b>3.6</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
<b>Vanadium</b>	<b>20</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:17	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 61W-24-1-1**  
**Lab ID: 2200329-16**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1117	03/12/2022	03/15/22 01:44	
C23-C32	ND	10	1	B2C1117	03/12/2022	03/15/22 01:44	
<i>Surrogate: p-Terphenyl</i>	<i>102 %</i>	<i>62 - 141</i>		B2C1117	03/12/2022	<i>03/15/22 01:44</i>	

### Polychlorinated Biphenyls by EPA 8082

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1221	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1232	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1242	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1248	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1254	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
Aroclor 1260	ND	16	1	B2C1110	03/12/2022	03/14/22 19:37	
<i>Surrogate: Decachlorobiphenyl</i>	<i>56.0 %</i>	<i>0 - 87</i>		B2C1110	03/12/2022	<i>03/14/22 19:37</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>57.4 %</i>	<i>0 - 103</i>		B2C1110	03/12/2022	<i>03/14/22 19:37</i>	

### Gasoline Range Hydrocarbons by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C6-C12	ND	1.0	1	B2C1132	03/14/2022	03/14/22 15:02	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.5 %</i>	<i>47.6 - 121.18</i>		B2C1132	03/14/2022	<i>03/14/22 15:02</i>	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
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 Reported : 05/16/2022

### QUALITY CONTROL SECTION

#### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1140 - MSSEMI\_S**

**Blank (B2C1140-BLK1)**

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	ND	5.0	0.60
Acenaphthene	ND	5.0	0.41
Acenaphthylene	ND	5.0	0.41
Anthracene	ND	5.0	0.56
Benzo(a)anthracene	ND	5.0	0.56
Benzo(a)pyrene	ND	5.0	0.69
Benzo(b)fluoranthene	ND	5.0	2.2
Benzo(g,h,i)perylene	ND	5.0	0.80
Benzo(k)fluoranthene	ND	5.0	0.70
Chrysene	ND	5.0	0.61
Dibenz(a,h)anthracene	ND	5.0	0.88
Fluoranthene	ND	5.0	0.45
Fluorene	ND	5.0	0.35
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82
Naphthalene	ND	5.0	0.56
Phenanthrene	ND	5.0	0.34
Pyrene	ND	5.0	0.51

Surrogate: 1,2-Dichlorobenzene-d4	43.89		66.6667	65.8	12 - 125
Surrogate: 2-Fluorobiphenyl	48.87		66.6667	73.3	14 - 139
Surrogate: Nitrobenzene-d5	34.24		66.6667	51.4	8 - 155
Surrogate: 4-Terphenyl-d14	93.01		66.6667	140	16 - 152

**Blank (B2C1140-BLK2)**

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	ND	5.0	0.60
Acenaphthene	ND	5.0	0.41
Acenaphthylene	ND	5.0	0.41
Anthracene	ND	5.0	0.56
Benzo(a)anthracene	ND	5.0	0.56
Benzo(a)pyrene	ND	5.0	0.69
Benzo(b)fluoranthene	ND	5.0	2.2
Benzo(g,h,i)perylene	ND	5.0	0.80
Benzo(k)fluoranthene	ND	5.0	0.70
Chrysene	ND	5.0	0.61
Dibenz(a,h)anthracene	ND	5.0	0.88
Fluoranthene	ND	5.0	0.45
Fluorene	ND	5.0	0.35
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82
Naphthalene	ND	5.0	0.56
Phenanthrene	ND	5.0	0.34
Pyrene	ND	5.0	0.51

Surrogate: 1,2-Dichlorobenzene-d4	41.70		66.6667	62.6	12 - 125
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 Reported : 05/16/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1140 - MSSEMI\_S (continued)**

**Blank (B2C1140-BLK2) - Continued**

Prepared: 3/14/2022 Analyzed: 3/16/2022

Surrogate: 2-Fluorobiphenyl	48.49		66.6667		72.7	14 - 139
Surrogate: Nitrobenzene-d5	36.09		66.6667		54.1	8 - 155
Surrogate: 4-Terphenyl-d14	92.75		66.6667		139	16 - 152

**Blank (B2C1140-BLK3)**

Prepared: 3/14/2022 Analyzed: 3/18/2022

2-Methylnaphthalene	ND	5.0	0.60
Acenaphthene	ND	5.0	0.41
Acenaphthylene	ND	5.0	0.41
Anthracene	ND	5.0	0.56
Benzo(a)anthracene	ND	5.0	0.56
Benzo(a)pyrene	ND	5.0	0.69
Benzo(b)fluoranthene	ND	5.0	2.2
Benzo(g,h,i)perylene	ND	5.0	0.80
Benzo(k)fluoranthene	ND	5.0	0.70
Chrysene	ND	5.0	0.61
Dibenz(a,h)anthracene	ND	5.0	0.88
Fluoranthene	ND	5.0	0.45
Fluorene	ND	5.0	0.35
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82
Naphthalene	ND	5.0	0.56
Phenanthrene	ND	5.0	0.34
Pyrene	ND	5.0	0.51

Surrogate: 1,2-Dichlorobenzene-d4	33.66		66.6667		50.5	12 - 125
Surrogate: 2-Fluorobiphenyl	38.18		66.6667		57.3	14 - 139
Surrogate: Nitrobenzene-d5	29.20		66.6667		43.8	8 - 155
Surrogate: 4-Terphenyl-d14	64.91		66.6667		97.4	16 - 152

**LCS (B2C1140-BS1)**

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	44.8920	5.0	0.60	66.6667	67.3	39 - 92
Acenaphthene	55.1947	5.0	0.41	66.6667	82.8	35 - 94
Acenaphthylene	59.6920	5.0	0.41	66.6667	89.5	31 - 101
Anthracene	57.8433	5.0	0.56	66.6667	86.8	37 - 95
Benzo(a)anthracene	57.2773	5.0	0.56	66.6667	85.9	43 - 102
Benzo(a)pyrene	54.9067	5.0	0.69	66.6667	82.4	38 - 95
Benzo(b)fluoranthene	47.0427	5.0	2.2	66.6667	70.6	44 - 102
Benzo(g,h,i)perylene	42.6453	5.0	0.80	66.6667	64.0	34 - 114
Benzo(k)fluoranthene	52.5053	5.0	0.70	66.6667	78.8	34 - 110
Chrysene	65.5453	5.0	0.61	66.6667	98.3	46 - 101
Dibenz(a,h)anthracene	35.8667	5.0	0.88	66.6667	53.8	35 - 117
Fluoranthene	61.9153	5.0	0.45	66.6667	92.9	46 - 107
Fluorene	53.5373	5.0	0.35	66.6667	80.3	35 - 98
Indeno(1,2,3-cd)pyrene	39.8080	5.0	0.82	66.6667	59.7	35 - 114
Naphthalene	47.8367	5.0	0.56	66.6667	71.8	39 - 86
Phenanthrene	57.3740	5.0	0.34	66.6667	86.1	43 - 98
Pyrene	63.4473	5.0	0.51	66.6667	95.2	44 - 108





## Certificate of Analysis

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Reported : 05/16/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1140 - MSSEMI\_S (continued)**

**LCS (B2C1140-BS1) - Continued**

Prepared: 3/14/2022 Analyzed: 3/16/2022

Surrogate: 1,2-Dichlorobenzene-d4	45.38		66.6667	68.1	12 - 125
Surrogate: 2-Fluorobiphenyl	55.94		66.6667	83.9	14 - 139
Surrogate: Nitrobenzene-d5	46.47		66.6667	69.7	8 - 155
Surrogate: 4-Terphenyl-d14	73.90		66.6667	111	16 - 152

**LCS (B2C1140-BS2)**

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	43.2287	5.0	0.60	66.6667	64.8	39 - 92
Acenaphthene	51.2607	5.0	0.41	66.6667	76.9	35 - 94
Acenaphthylene	56.1880	5.0	0.41	66.6667	84.3	31 - 101
Anthracene	56.8653	5.0	0.56	66.6667	85.3	37 - 95
Benzo(a)anthracene	54.0513	5.0	0.56	66.6667	81.1	43 - 102
Benzo(a)pyrene	55.8160	5.0	0.69	66.6667	83.7	38 - 95
Benzo(b)fluoranthene	50.9693	5.0	2.2	66.6667	76.5	44 - 102
Benzo(g,h,i)perylene	41.7287	5.0	0.80	66.6667	62.6	34 - 114
Benzo(k)fluoranthene	54.7280	5.0	0.70	66.6667	82.1	34 - 110
Chrysene	69.4513	5.0	0.61	66.6667	104	46 - 101
Dibenz(a,h)anthracene	33.3560	5.0	0.88	66.6667	50.0	35 - 117
Fluoranthene	63.2580	5.0	0.45	66.6667	94.9	46 - 107
Fluorene	50.7267	5.0	0.35	66.6667	76.1	35 - 98
Indeno(1,2,3-cd)pyrene	43.4720	5.0	0.82	66.6667	65.2	35 - 114
Naphthalene	45.0880	5.0	0.56	66.6667	67.6	39 - 86
Phenanthrene	56.1073	5.0	0.34	66.6667	84.2	43 - 98
Pyrene	65.0320	5.0	0.51	66.6667	97.5	44 - 108

L3

Surrogate: 1,2-Dichlorobenzene-d4	43.30		66.6667	64.9	12 - 125
Surrogate: 2-Fluorobiphenyl	50.57		66.6667	75.9	14 - 139
Surrogate: Nitrobenzene-d5	46.58		66.6667	69.9	8 - 155
Surrogate: 4-Terphenyl-d14	74.38		66.6667	112	16 - 152

**LCS (B2C1140-BS3)**

Prepared: 3/14/2022 Analyzed: 3/18/2022

2-Methylnaphthalene	41.4840	5.0	0.60	66.6667	62.2	39 - 92
Acenaphthene	45.4480	5.0	0.41	66.6667	68.2	35 - 94
Acenaphthylene	49.2387	5.0	0.41	66.6667	73.9	31 - 101
Anthracene	51.6487	5.0	0.56	66.6667	77.5	37 - 95
Benzo(a)anthracene	58.2773	5.0	0.56	66.6667	87.4	43 - 102
Benzo(a)pyrene	59.7000	5.0	0.69	66.6667	89.5	38 - 95
Benzo(b)fluoranthene	57.5407	5.0	2.2	66.6667	86.3	44 - 102
Benzo(g,h,i)perylene	55.7633	5.0	0.80	66.6667	83.6	34 - 114
Benzo(k)fluoranthene	57.3053	5.0	0.70	66.6667	86.0	34 - 110
Chrysene	57.4133	5.0	0.61	66.6667	86.1	46 - 101
Dibenz(a,h)anthracene	56.3733	5.0	0.88	66.6667	84.6	35 - 117
Fluoranthene	58.9027	5.0	0.45	66.6667	88.4	46 - 107
Fluorene	48.2060	5.0	0.35	66.6667	72.3	35 - 98
Indeno(1,2,3-cd)pyrene	55.4280	5.0	0.82	66.6667	83.1	35 - 114
Naphthalene	41.1920	5.0	0.56	66.6667	61.8	39 - 86
Phenanthrene	52.9633	5.0	0.34	66.6667	79.4	43 - 98
Pyrene	58.2413	5.0	0.51	66.6667	87.4	44 - 108



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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Reported : 05/16/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1140 - MSSEMI\_S (continued)**

**LCS (B2C1140-BS3) - Continued**

Prepared: 3/14/2022 Analyzed: 3/18/2022

Surrogate: 1,2-Dichlorobenzene-d4	42.14			66.6667		63.2	12 - 125			
Surrogate: 2-Fluorobiphenyl	47.39			66.6667		71.1	14 - 139			
Surrogate: Nitrobenzene-d5	38.46			66.6667		57.7	8 - 155			
Surrogate: 4-Terphenyl-d14	59.77			66.6667		89.7	16 - 152			

**Matrix Spike (B2C1140-MS1)**

**Source: 2200346-04**

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	41.4147	5.0	0.60	66.6667	ND	62.1	43 - 120			
Acenaphthene	47.1873	5.0	0.41	66.6667	ND	70.8	52 - 113			
Acenaphthylene	52.6467	5.0	0.41	66.6667	ND	79.0	44 - 126			
Anthracene	52.4327	5.0	0.56	66.6667	ND	78.6	49 - 128			
Benzo(a)anthracene	52.6620	5.0	0.56	66.6667	ND	79.0	32 - 158			
Benzo(a)pyrene	46.5220	5.0	0.69	66.6667	ND	69.8	39 - 137			
Benzo(b)fluoranthene	51.2607	5.0	2.2	66.6667	ND	76.9	52 - 132			
Benzo(g,h,i)perylene	42.0087	5.0	0.80	66.6667	2.10133	59.9	35 - 162			
Benzo(k)fluoranthene	50.8773	5.0	0.70	66.6667	ND	76.3	18 - 153			
Chrysene	62.4660	5.0	0.61	66.6667	0.670000	92.7	25 - 160			
Dibenz(a,h)anthracene	36.9000	5.0	0.88	66.6667	ND	55.4	41 - 155			
Fluoranthene	58.5073	5.0	0.45	66.6667	0.871333	86.5	5 - 185			
Fluorene	48.2780	5.0	0.35	66.6667	ND	72.4	28 - 135			
Indeno(1,2,3-cd)pyrene	39.7433	5.0	0.82	66.6667	ND	59.6	36 - 162			
Naphthalene	43.1800	5.0	0.56	66.6667	ND	64.8	41 - 113			
Phenanthrene	54.4067	5.0	0.34	66.6667	0.726667	80.5	35 - 143			
Pyrene	58.6773	5.0	0.51	66.6667	1.04067	86.5	10 - 184			

Surrogate: 1,2-Dichlorobenzene-d4	41.13			66.6667		61.7	12 - 125			
Surrogate: 2-Fluorobiphenyl	47.83			66.6667		71.7	14 - 139			
Surrogate: Nitrobenzene-d5	42.93			66.6667		64.4	8 - 155			
Surrogate: 4-Terphenyl-d14	65.92			66.6667		98.9	16 - 152			

**Matrix Spike Dup (B2C1140-MSD1)**

**Source: 2200346-04**

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	38.2773	5.0	0.60	66.6667	ND	57.4	43 - 120	7.87	20	
Acenaphthene	47.2427	5.0	0.41	66.6667	ND	70.9	52 - 113	0.117	20	
Acenaphthylene	51.5467	5.0	0.41	66.6667	ND	77.3	44 - 126	2.11	20	
Anthracene	47.4000	5.0	0.56	66.6667	ND	71.1	49 - 128	10.1	20	
Benzo(a)anthracene	45.1640	5.0	0.56	66.6667	ND	67.7	32 - 158	15.3	20	
Benzo(a)pyrene	39.9353	5.0	0.69	66.6667	ND	59.9	39 - 137	15.2	20	
Benzo(b)fluoranthene	48.1033	5.0	2.2	66.6667	ND	72.2	52 - 132	6.36	20	
Benzo(g,h,i)perylene	38.7213	5.0	0.80	66.6667	2.10133	54.9	35 - 162	8.14	20	
Benzo(k)fluoranthene	46.1927	5.0	0.70	66.6667	ND	69.3	18 - 153	9.65	20	
Chrysene	58.4120	5.0	0.61	66.6667	0.670000	86.6	25 - 160	6.71	20	
Dibenz(a,h)anthracene	32.9820	5.0	0.88	66.6667	ND	49.5	41 - 155	11.2	20	
Fluoranthene	51.7707	5.0	0.45	66.6667	0.871333	76.3	5 - 185	12.2	20	
Fluorene	44.9187	5.0	0.35	66.6667	ND	67.4	28 - 135	7.21	20	
Indeno(1,2,3-cd)pyrene	35.3380	5.0	0.82	66.6667	ND	53.0	36 - 162	11.7	20	
Naphthalene	40.5100	5.0	0.56	66.6667	ND	60.8	41 - 113	6.38	20	
Phenanthrene	50.2167	5.0	0.34	66.6667	0.726667	74.2	35 - 143	8.01	20	



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### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1140 - MSSEMI\_S (continued)**

**Matrix Spike Dup (B2C1140-MSD1) - Continued**

Source: 2200346-04

Prepared: 3/14/2022 Analyzed: 3/16/2022

Pyrene	52.5253	5.0	0.51	66.6667	1.04067	77.2	10 - 184	11.1	20	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>39.87</i>			<i>66.6667</i>		<i>59.8</i>	<i>12 - 125</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>47.13</i>			<i>66.6667</i>		<i>70.7</i>	<i>14 - 139</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>40.11</i>			<i>66.6667</i>		<i>60.2</i>	<i>8 - 155</i>			
<i>Surrogate: 4-Terphenyl-d14</i>	<i>59.72</i>			<i>66.6667</i>		<i>89.6</i>	<i>16 - 152</i>			



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1132 - GCVOA_S</b>										
<b>Blank (B2C1132-BLK1)</b>					Prepared: 3/14/2022 Analyzed: 3/14/2022					
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	0.6607			0.800000		82.6	47.6 - 121.18			
<b>LCS (B2C1132-BS1)</b>					Prepared: 3/14/2022 Analyzed: 3/14/2022					
Gasoline Range Organics	5.91400	1.0	0.13	5.00000		118	68.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7469			0.800000		93.4	47.6 - 121.18			
<b>LCS Dup (B2C1132-BSD1)</b>					Prepared: 3/14/2022 Analyzed: 3/14/2022					
Gasoline Range Organics	5.74000	1.0	0.13	5.00000		115	68.69 - 124.04	2.99	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7464			0.800000		93.3	47.6 - 121.18			
<b>Duplicate (B2C1132-DUP1)</b>					Prepared: 3/14/2022 Analyzed: 3/14/2022					
<b>Source: 2200339-01</b>										
Gasoline Range Organics	ND	1.0	0.13		ND			NR	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7366			0.800000		92.1	47.6 - 121.18			
<b>Matrix Spike (B2C1132-MS1)</b>					Prepared: 3/14/2022 Analyzed: 3/14/2022					
<b>Source: 2200339-01</b>										
Gasoline Range Organics	6.62425	1.0	0.13	5.01002	ND	132	37.92 - 128.32			M2
<i>Surrogate: 4-Bromofluorobenzene</i>	0.8160			0.800000		102	47.6 - 121.18			
<b>Matrix Spike Dup (B2C1132-MSD1)</b>					Prepared: 3/14/2022 Analyzed: 3/14/2022					
<b>Source: 2200339-01</b>										
Gasoline Range Organics	5.18813	1.0	0.13	5.03018	ND	103	37.92 - 128.32	24.3	20	R
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7878			0.800000		98.5	47.6 - 121.18			



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### Gasoline Range Hydrocarbons by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1132 - GCVOA_S</b>										
<b>Blank (B2C1132-BLK1)</b>						Prepared: 3/14/2022 Analyzed: 3/14/2022				
C6-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	0.6607			0.800000		82.6	47.6 - 121.18			
<b>LCS (B2C1132-BS1)</b>						Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	5.91400	1.0	0.13	5.00000		118	68.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7469			0.800000		93.4	47.6 - 121.18			
<b>LCS Dup (B2C1132-BSD1)</b>						Prepared: 3/14/2022 Analyzed: 3/14/2022				
Gasoline Range Organics	5.74000	1.0	0.13	5.00000		115	68.69 - 124.04	2.99	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7464			0.800000		93.3	47.6 - 121.18			
<b>Duplicate (B2C1132-DUP1)</b>						Prepared: 3/14/2022 Analyzed: 3/14/2022				
<b>Source: 2200339-01</b>										
Gasoline Range Organics	ND	1.0	0.13		ND			NR	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7366			0.800000		92.1	47.6 - 121.18			
<b>Matrix Spike (B2C1132-MS1)</b>						Prepared: 3/14/2022 Analyzed: 3/14/2022				
<b>Source: 2200339-01</b>										
Gasoline Range Organics	6.62425	1.0	0.13	5.01002	ND	132	37.92 - 128.32			M2
<i>Surrogate: 4-Bromofluorobenzene</i>	0.8160			0.800000		102	47.6 - 121.18			
<b>Matrix Spike Dup (B2C1132-MSD1)</b>						Prepared: 3/14/2022 Analyzed: 3/14/2022				
<b>Source: 2200339-01</b>										
Gasoline Range Organics	5.18813	1.0	0.13	5.03018	ND	103	37.92 - 128.32	24.3	20	R
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7878			0.800000		98.5	47.6 - 121.18			



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Reported : 05/16/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B2C1100 - EPA 3050B\_S

##### Blank (B2C1100-BLK1)

Prepared: 3/11/2022 Analyzed: 3/15/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

##### LCS (B2C1100-BS1)

Prepared: 3/11/2022 Analyzed: 3/15/2022

Antimony	20.4625	2.0	0.51	25.0000	81.8	80 - 120
Arsenic	20.5624	1.0	0.12	25.0000	82.2	80 - 120
Barium	20.0775	1.0	0.12	25.0000	80.3	80 - 120
Beryllium	21.1222	1.0	0.03	25.0100	84.5	80 - 120
Cadmium	21.2334	1.0	0.14	25.0000	84.9	80 - 120
Chromium	20.6337	1.0	0.26	25.0000	82.5	80 - 120
Cobalt	21.1851	1.0	0.07	25.0000	84.7	80 - 120
Copper	21.3843	2.0	0.19	25.0000	85.5	80 - 120
Lead	21.5320	1.0	0.18	25.0000	86.1	80 - 120
Molybdenum	21.6946	1.0	0.12	25.0000	86.8	80 - 120
Nickel	22.5332	1.0	0.18	25.0000	90.1	80 - 120
Selenium	21.1862	1.0	0.40	25.0000	84.7	80 - 120
Silver	10.6512	1.0	0.12	12.5000	85.2	80 - 120
Thallium	20.4427	1.0	0.38	25.0000	81.8	80 - 120
Vanadium	20.0329	1.0	0.06	25.0000	80.1	80 - 120
Zinc	22.6352	1.0	0.15	25.0000	90.5	80 - 120

##### Matrix Spike (B2C1100-MS1)

Source: 2200322-04

Prepared: 3/11/2022 Analyzed: 3/15/2022

Antimony	8.79078	2.0	0.51	25.0000	ND	35.2	0 - 102	
Arsenic	16.8502	1.0	0.12	25.0000	2.37214	57.9	55 - 117	
Barium	57.8280	1.0	0.12	25.0000	54.0302	15.2	11 - 177	
Beryllium	14.9244	1.0	0.03	25.0100	0.813648	56.4	64 - 115	M2
Cadmium	16.8756	1.0	0.14	25.0000	0.191288	66.7	62 - 116	
Chromium	22.1094	1.0	0.26	25.0000	7.49699	58.4	42 - 145	
Cobalt	17.7685	1.0	0.07	25.0000	2.99648	59.1	60 - 126	M2
Copper	23.2764	2.0	0.19	25.0000	6.91826	65.4	37 - 163	
Lead	18.1189	1.0	0.18	25.0000	2.56672	62.2	26 - 161	



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1100 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1100-MS1) - Continued**

**Source: 2200322-04**

Prepared: 3/11/2022 Analyzed: 3/15/2022

Molybdenum	14.8154	1.0	0.12	25.0000	0.144314	58.7	31 - 122			
Nickel	18.7633	1.0	0.18	25.0000	4.40961	57.4	52 - 130			
Selenium	15.8247	1.0	0.40	25.0000	ND	63.3	25 - 129			
Silver	8.85761	1.0	0.12	12.5000	1.19312	61.3	48 - 133			
Thallium	14.1448	1.0	0.38	25.0000	ND	56.6	25 - 119			
Vanadium	27.6038	1.0	0.06	25.0000	11.2511	65.4	51 - 141			
Zinc	37.3704	1.0	0.15	25.0000	24.7746	50.4	8 - 170			

**Matrix Spike Dup (B2C1100-MSD1)**

**Source: 2200322-04**

Prepared: 3/11/2022 Analyzed: 3/15/2022

Antimony	8.64612	2.0	0.51	25.0000	ND	34.6	0 - 102	1.66	20	
Arsenic	16.5945	1.0	0.12	25.0000	2.37214	56.9	55 - 117	1.53	20	
Barium	57.0066	1.0	0.12	25.0000	54.0302	11.9	11 - 177	1.43	20	
Beryllium	14.8211	1.0	0.03	25.0100	0.813648	56.0	64 - 115	0.694	20	M2
Cadmium	16.7689	1.0	0.14	25.0000	0.191288	66.3	62 - 116	0.635	20	
Chromium	21.7150	1.0	0.26	25.0000	7.49699	56.9	42 - 145	1.80	20	
Cobalt	17.6860	1.0	0.07	25.0000	2.99648	58.8	60 - 126	0.466	20	M2
Copper	22.3663	2.0	0.19	25.0000	6.91826	61.8	37 - 163	3.99	20	
Lead	17.7213	1.0	0.18	25.0000	2.56672	60.6	26 - 161	2.22	20	
Molybdenum	14.8492	1.0	0.12	25.0000	0.144314	58.8	31 - 122	0.228	20	
Nickel	19.0605	1.0	0.18	25.0000	4.40961	58.6	52 - 130	1.57	20	
Selenium	15.2321	1.0	0.40	25.0000	ND	60.9	25 - 129	3.82	20	
Silver	8.74696	1.0	0.12	12.5000	1.19312	60.4	48 - 133	1.26	20	
Thallium	14.0381	1.0	0.38	25.0000	ND	56.2	25 - 119	0.757	20	
Vanadium	27.1307	1.0	0.06	25.0000	11.2511	63.5	51 - 141	1.73	20	
Zinc	36.6038	1.0	0.15	25.0000	24.7746	47.3	8 - 170	2.07	20	



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 Reported : 05/16/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1085 - EPA 7471_S</b>										
<b>Blank (B2C1085-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 3/11/2022 Analyzed: 3/14/2022
<b>LCS (B2C1085-BS1)</b>										
Mercury	0.424890	0.10	0.01	0.416667		102	80 - 120			Prepared: 3/11/2022 Analyzed: 3/14/2022
<b>Matrix Spike (B2C1085-MS1)</b>										
Mercury	0.418068	0.10	0.01	0.416667	0.021839	95.1	70 - 130			Source: 2200316-01 Prepared: 3/11/2022 Analyzed: 3/14/2022
<b>Matrix Spike Dup (B2C1085-MSD1)</b>										
Mercury	0.421348	0.10	0.01	0.416667	0.021839	95.9	70 - 130	0.782	20	Prepared: 3/11/2022 Analyzed: 3/14/2022





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Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/16/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C1085 - EPA 7471\_S

Post Spike (B2C1085-PS1)

Source: 2200316-01

Prepared: 3/11/2022 Analyzed: 3/14/2022

Mercury	0.005031		5.00000E-3	0.000262	95.4	85 - 115			
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Project Number : Ontario Airport / 5925  
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### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1117 - GCSEMI_DRO_S</b>										
<b>Blank (B2C1117-BLK1)</b>										
						Prepared: 3/12/2022 Analyzed: 3/14/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
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<i>Surrogate: p-Terphenyl</i>	77.28			80.0000		96.6	62 - 141			
<b>LCS (B2C1117-BS1)</b>										
						Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	995.114	10	3.6	1000.00		99.5	56 - 139			
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<i>Surrogate: p-Terphenyl</i>	82.63			80.0000		103	62 - 141			
<b>Duplicate (B2C1117-DUP1)</b>										
						Source: 2200343-17 Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	6.93800	10	3.6		7.21500			3.91	20	
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<i>Surrogate: p-Terphenyl</i>	84.38			80.0000		105	62 - 141			
<b>Matrix Spike (B2C1117-MS1)</b>										
						Source: 2200329-02 Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	1329.73	10	3.6	1000.00	7.39400	132	38 - 161			
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<i>Surrogate: p-Terphenyl</i>	109.9			80.0000		137	62 - 141			
<b>Matrix Spike Dup (B2C1117-MSD1)</b>										
						Source: 2200329-02 Prepared: 3/12/2022 Analyzed: 3/14/2022				
DRO	1055.62	10	3.6	1000.00	7.39400	105	38 - 161	23.0	20	R
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<i>Surrogate: p-Terphenyl</i>	90.07			80.0000		113	62 - 141			



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### Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1110 - GCSEMI_PCB/PEST_S</b>										
<b>Blank (B2C1110-BLK1)</b>					Prepared: 3/12/2022 Analyzed: 3/14/2022					
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
<i>Surrogate: Decachlorobiphenyl</i>	10.44			16.6667		62.6	0 - 87			
<i>Surrogate: Tetrachloro-m-xylene</i>	10.80			16.6667		64.8	0 - 103			
<b>Blank (B2C1110-BLK2)</b>					Prepared: 3/12/2022 Analyzed: 3/15/2022					
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
<i>Surrogate: Decachlorobiphenyl</i>	10.54			16.6667		63.2	0 - 87			
<i>Surrogate: Tetrachloro-m-xylene</i>	11.05			16.6667		66.3	0 - 103			
<b>LCS (B2C1110-BS1)</b>					Prepared: 3/12/2022 Analyzed: 3/14/2022					
Aroclor 1016	110.754	16	1.9	166.667		66.5	11 - 108			
Aroclor 1260	129.207	16	1.9	166.667		77.5	19 - 112			
<i>Surrogate: Decachlorobiphenyl</i>	10.92			16.6667		65.5	0 - 87			
<i>Surrogate: Tetrachloro-m-xylene</i>	11.13			16.6667		66.8	0 - 103			
<b>LCS (B2C1110-BS2)</b>					Prepared: 3/12/2022 Analyzed: 3/15/2022					
Aroclor 1016	118.137	16	1.9	166.667		70.9	11 - 108			
Aroclor 1260	129.557	16	1.9	166.667		77.7	19 - 112			
<i>Surrogate: Decachlorobiphenyl</i>	11.10			16.6667		66.6	0 - 87			
<i>Surrogate: Tetrachloro-m-xylene</i>	11.30			16.6667		67.8	0 - 103			
<b>Matrix Spike (B2C1110-MS1)</b>					<b>Source: 2200340-02</b>		Prepared: 3/12/2022 Analyzed: 3/14/2022			
Aroclor 1016	106.213	16	1.9	166.667	ND	63.7	0 - 135			
Aroclor 1260	113.755	16	1.9	166.667	ND	68.3	0 - 127			
<i>Surrogate: Decachlorobiphenyl</i>	9.860			16.6667		59.2	0 - 87			
<i>Surrogate: Tetrachloro-m-xylene</i>	10.51			16.6667		63.1	0 - 103			
<b>Matrix Spike Dup (B2C1110-MSD1)</b>					<b>Source: 2200340-02</b>		Prepared: 3/12/2022 Analyzed: 3/14/2022			
Aroclor 1016	111.936	16	1.9	166.667	ND	67.2	0 - 135	5.25	20	
Aroclor 1260	120.069	16	1.9	166.667	ND	72.0	0 - 127	5.40	20	
<i>Surrogate: Decachlorobiphenyl</i>	9.847			16.6667		59.1	0 - 87			
<i>Surrogate: Tetrachloro-m-xylene</i>	10.45			16.6667		62.7	0 - 103			



### Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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Reported : 05/16/2022

#### Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C1110 - GCSEMI\_PCB/PEST\_S (continued)

Matrix Spike Dup (B2C1110-MSD1) - Continued

Source: 2200340-02

Prepared: 3/12/2022 Analyzed: 3/14/2022



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 Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1128 - MSVOA\_S**

**Blank (B2C1128-BLK1)**

Prepared: 3/14/2022 Analyzed: 3/14/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1128 - MSVOA\_S (continued)**

**Blank (B2C1128-BLK1) - Continued**

Prepared: 3/14/2022 Analyzed: 3/14/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	76.47		50.0000	153	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	53.66		50.0000	107	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	55.38		50.0000	111	77 - 159
<i>Surrogate: Toluene-d8</i>	55.01		50.0000	110	81 - 128

**LCS (B2C1128-BS1)**

Prepared: 3/14/2022 Analyzed: 3/14/2022

1,1,1,2-Tetrachloroethane	46.5800	5.0	0.52	50.0000	93.2	84 - 123
1,1,1-Trichloroethane	64.4100	5.0	0.26	50.0000	129	78 - 133
1,1,2,2-Tetrachloroethane	43.7800	5.0	0.21	50.0000	87.6	63 - 127
1,1,2-Trichloroethane	46.0400	5.0	0.40	50.0000	92.1	80 - 125
1,1-Dichloroethane	53.0100	5.0	1.4	50.0000	106	77 - 128
1,1-Dichloroethene	48.8900	5.0	1.9	50.0000	97.8	69 - 138
1,1-Dichloropropene	44.9300	5.0	0.54	50.0000	89.9	80 - 133
1,2,3-Trichloropropane	45.4300	5.0	0.40	50.0000	90.9	74 - 123
1,2,3-Trichlorobenzene	43.4300	5.0	0.83	50.0000	86.9	79 - 133
1,2,4-Trichlorobenzene	45.4600	5.0	0.80	50.0000	90.9	73 - 131
1,2,4-Trimethylbenzene	46.0400	5.0	0.91	50.0000	92.1	86 - 137
1,2-Dibromo-3-chloropropane	55.5200	10	1.1	50.0000	111	62 - 127
1,2-Dibromoethane	44.6300	5.0	0.40	50.0000	89.3	83 - 126
1,2-Dichlorobenzene	44.7000	5.0	0.21	50.0000	89.4	83 - 123
1,2-Dichloroethane	65.7100	5.0	0.50	50.0000	131	76 - 128

L4



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	Limit	Notes
<b>Batch B2C1128 - MSVOA_S (continued)</b>									
<b>LCS (B2C1128-BS1) - Continued</b>					Prepared: 3/14/2022 Analyzed: 3/14/2022				
1,2-Dichloropropane	46.8100	5.0	0.46	50.0000		93.6		77 - 121	
1,3,5-Trimethylbenzene	45.8700	5.0	0.70	50.0000		91.7		84 - 135	
1,3-Dichlorobenzene	42.2100	5.0	0.36	50.0000		84.4		81 - 126	
1,3-Dichloropropane	45.1500	5.0	0.49	50.0000		90.3		80 - 118	
1,4-Dichlorobenzene	43.0700	5.0	0.27	50.0000		86.1		80 - 124	
2,2-Dichloropropane	59.8700	5.0	0.28	50.0000		120		72 - 135	
2-Chlorotoluene	48.3700	5.0	0.53	50.0000		96.7		81 - 127	
4-Chlorotoluene	51.4600	5.0	0.40	50.0000		103		83 - 127	
4-Isopropyltoluene	46.0500	5.0	0.81	50.0000		92.1		82 - 143	
Benzene	48.8300	5.0	0.36	50.0000		97.7		84 - 123	
Bromobenzene	43.3600	5.0	0.62	50.0000		86.7		80 - 122	
Bromochloromethane	47.8700	5.0	0.30	50.0000		95.7		83 - 127	
Bromodichloromethane	57.5200	5.0	0.52	50.0000		115		82 - 123	
Bromoform	51.8500	5.0	1.4	50.0000		104		80 - 132	
Bromomethane	61.4900	5.0	2.5	50.0000		123		67 - 176	
Carbon disulfide	44.0100	5.0	0.94	50.0000		88.0		75 - 138	
Carbon tetrachloride	66.3500	5.0	0.73	50.0000		133		76 - 131	L4
Chlorobenzene	43.6700	5.0	0.42	50.0000		87.3		84 - 119	
Chloroethane	54.2700	5.0	1.5	50.0000		109		56 - 170	
Chloroform	56.8700	5.0	0.24	50.0000		114		78 - 129	
Chloromethane	43.1600	5.0	1.1	50.0000		86.3		63 - 141	
cis-1,2-Dichloroethene	70.0200	5.0	0.20	50.0000		140		83 - 125	L5
cis-1,3-Dichloropropene	47.0600	5.0	0.39	50.0000		94.1		76 - 129	
Di-isopropyl ether	45.4400	5.0	1.9	50.0000		90.9		73 - 132	
Dibromochloromethane	49.6200	5.0	0.81	50.0000		99.2		81 - 120	
Dibromomethane	52.2500	5.0	0.23	50.0000		104		79 - 124	
Dichlorodifluoromethane	51.6900	5.0	0.14	50.0000		103		18 - 199	
Ethyl Acetate	19.5600	50	7.0	500.000		3.91		76 - 138	MO
Ethyl Ether	558.070	50	17	500.000		112		74 - 128	
Ethyl tert-butyl ether	45.5700	5.0	0.85	50.0000		91.1		50 - 175	
Ethylbenzene	49.5200	5.0	0.43	50.0000		99.0		86 - 130	
Freon-113	50.1200	5.0	1.3	50.0000		100		66 - 132	
Hexachlorobutadiene	52.3500	5.0	0.40	50.0000		105		64 - 135	
Isopropylbenzene	46.8500	5.0	0.79	50.0000		93.7		80 - 133	
m,p-Xylene	99.8000	10	0.98	100.000		99.8		89 - 133	
Methylene chloride	47.4600	5.0	2.2	50.0000		94.9		72 - 143	
MTBE	48.5200	5.0	0.81	50.0000		97.0		73 - 136	
n-Butylbenzene	47.8100	5.0	1.2	50.0000		95.6		76 - 144	
n-Propylbenzene	47.4900	5.0	0.78	50.0000		95.0		81 - 136	
Naphthalene	38.6100	5.0	1.1	50.0000		77.2		64 - 128	
o-Xylene	50.9800	5.0	0.67	50.0000		102		82 - 134	
sec-Butylbenzene	45.2200	5.0	0.63	50.0000		90.4		81 - 138	
Styrene	43.5800	5.0	0.45	50.0000		87.2		79 - 152	
tert-Amyl methyl ether	41.2800	5.0	1.1	50.0000		82.6		48 - 166	
tert-Butanol	230.640	100	11	250.000		92.3		48 - 148	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

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Irvine , CA 92612

Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1128 - MSVOA_S (continued)</b>										
<b>LCS (B2C1128-BS1) - Continued</b>					Prepared: 3/14/2022 Analyzed: 3/14/2022					
tert-Butylbenzene	45.2400	5.0	0.80	50.0000		90.5	81 - 135			
Tetrachloroethene	45.7100	5.0	0.31	50.0000		91.4	75 - 127			
Toluene	50.3100	5.0	0.27	50.0000		101	88 - 130			
trans-1,2-Dichloroethene	40.5100	5.0	0.56	50.0000		81.0	79 - 127			
trans-1,3-Dichloropropene	49.4200	5.0	0.59	50.0000		98.8	80 - 130			
Trichloroethene	48.2500	5.0	0.32	50.0000		96.5	83 - 126			
Trichlorofluoromethane	67.4300	5.0	1.0	50.0000		135	62 - 143			
Vinyl acetate	102.970	50	6.0	500.000		20.6	69 - 150			MO
Vinyl chloride	46.2000	5.0	0.92	50.0000		92.4	69 - 140			
<hr/>										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>74.80</i>			<i>50.0000</i>		<i>150</i>	<i>66 - 200</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>56.42</i>			<i>50.0000</i>		<i>113</i>	<i>50 - 146</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>55.21</i>			<i>50.0000</i>		<i>110</i>	<i>77 - 159</i>			
<i>Surrogate: Toluene-d8</i>	<i>57.25</i>			<i>50.0000</i>		<i>114</i>	<i>81 - 128</i>			
<b>LCS Dup (B2C1128-BS1)</b>					Prepared: 3/14/2022 Analyzed: 3/14/2022					
1,1,1,2-Tetrachloroethane	50.0000	5.0	0.52	50.0000		100	84 - 123	7.08	20	
1,1,1-Trichloroethane	70.2300	5.0	0.26	50.0000		140	78 - 133	8.65	20	L4
1,1,2,2-Tetrachloroethane	45.0200	5.0	0.21	50.0000		90.0	63 - 127	2.79	20	
1,1,2-Trichloroethane	50.7400	5.0	0.40	50.0000		101	80 - 125	9.71	20	
1,1-Dichloroethane	52.8900	5.0	1.4	50.0000		106	77 - 128	0.227	20	
1,1-Dichloroethene	53.0100	5.0	1.9	50.0000		106	69 - 138	8.09	20	
1,1-Dichloropropene	50.2000	5.0	0.54	50.0000		100	80 - 133	11.1	20	
1,2,3-Trichloropropane	48.7800	5.0	0.40	50.0000		97.6	74 - 123	7.11	20	
1,2,3-Trichlorobenzene	47.7400	5.0	0.83	50.0000		95.5	79 - 133	9.45	20	
1,2,4-Trichlorobenzene	50.0000	5.0	0.80	50.0000		100	73 - 131	9.51	20	
1,2,4-Trimethylbenzene	48.3100	5.0	0.91	50.0000		96.6	86 - 137	4.81	20	
1,2-Dibromo-3-chloropropane	61.8800	10	1.1	50.0000		124	62 - 127	10.8	20	
1,2-Dibromoethane	47.5100	5.0	0.40	50.0000		95.0	83 - 126	6.25	20	
1,2-Dichlorobenzene	45.5300	5.0	0.21	50.0000		91.1	83 - 123	1.84	20	
1,2-Dichloroethane	67.0200	5.0	0.50	50.0000		134	76 - 128	1.97	20	L4
1,2-Dichloropropane	48.4300	5.0	0.46	50.0000		96.9	77 - 121	3.40	20	
1,3,5-Trimethylbenzene	48.1400	5.0	0.70	50.0000		96.3	84 - 135	4.83	20	
1,3-Dichlorobenzene	44.1500	5.0	0.36	50.0000		88.3	81 - 126	4.49	20	
1,3-Dichloropropane	46.6300	5.0	0.49	50.0000		93.3	80 - 118	3.23	20	
1,4-Dichlorobenzene	44.2400	5.0	0.27	50.0000		88.5	80 - 124	2.68	20	
2,2-Dichloropropane	65.4800	5.0	0.28	50.0000		131	72 - 135	8.95	20	
2-Chlorotoluene	50.6200	5.0	0.53	50.0000		101	81 - 127	4.55	20	
4-Chlorotoluene	55.0000	5.0	0.40	50.0000		110	83 - 127	6.65	20	
4-Isopropyltoluene	49.6700	5.0	0.81	50.0000		99.3	82 - 143	7.56	20	
Benzene	50.5600	5.0	0.36	50.0000		101	84 - 123	3.48	20	
Bromobenzene	44.7100	5.0	0.62	50.0000		89.4	80 - 122	3.07	20	
Bromochloromethane	50.1100	5.0	0.30	50.0000		100	83 - 127	4.57	20	
Bromodichloromethane	59.6700	5.0	0.52	50.0000		119	82 - 123	3.67	20	
Bromoform	53.8000	5.0	1.4	50.0000		108	80 - 132	3.69	20	
Bromomethane	58.2100	5.0	2.5	50.0000		116	67 - 176	5.48	20	





## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1128 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C1128-BSD1) - Continued</b>					Prepared: 3/14/2022 Analyzed: 3/14/2022					
Carbon disulfide	47.4300	5.0	0.94	50.0000		94.9	75 - 138	7.48	20	
Carbon tetrachloride	68.0800	5.0	0.73	50.0000		136	76 - 131	2.57	20	L4
Chlorobenzene	46.6200	5.0	0.42	50.0000		93.2	84 - 119	6.53	20	
Chloroethane	57.3100	5.0	1.5	50.0000		115	56 - 170	5.45	20	
Chloroform	58.6600	5.0	0.24	50.0000		117	78 - 129	3.10	20	
Chloromethane	43.0100	5.0	1.1	50.0000		86.0	63 - 141	0.348	20	
cis-1,2-Dichloroethene	72.7100	5.0	0.20	50.0000		145	83 - 125	3.77	20	L5
cis-1,3-Dichloropropene	48.8200	5.0	0.39	50.0000		97.6	76 - 129	3.67	20	
Di-isopropyl ether	48.1300	5.0	1.9	50.0000		96.3	73 - 132	5.75	20	
Dibromochloromethane	51.9200	5.0	0.81	50.0000		104	81 - 120	4.53	20	
Dibromomethane	53.6800	5.0	0.23	50.0000		107	79 - 124	2.70	20	
Dichlorodifluoromethane	57.2200	5.0	0.14	50.0000		114	18 - 199	10.2	20	
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138	NR	20	MO
Ethyl Ether	569.460	50	17	500.000		114	74 - 128	2.02	20	
Ethyl tert-butyl ether	49.2200	5.0	0.85	50.0000		98.4	50 - 175	7.70	20	
Ethylbenzene	53.4500	5.0	0.43	50.0000		107	86 - 130	7.63	20	
Freon-113	53.7800	5.0	1.3	50.0000		108	66 - 132	7.05	20	
Hexachlorobutadiene	58.0800	5.0	0.40	50.0000		116	64 - 135	10.4	20	
Isopropylbenzene	49.5900	5.0	0.79	50.0000		99.2	80 - 133	5.68	20	
m,p-Xylene	109.160	10	0.98	100.000		109	89 - 133	8.96	20	
Methylene chloride	48.7300	5.0	2.2	50.0000		97.5	72 - 143	2.64	20	
MTBE	51.7800	5.0	0.81	50.0000		104	73 - 136	6.50	20	
n-Butylbenzene	52.9900	5.0	1.2	50.0000		106	76 - 144	10.3	20	
n-Propylbenzene	49.7500	5.0	0.78	50.0000		99.5	81 - 136	4.65	20	
Naphthalene	40.0200	5.0	1.1	50.0000		80.0	64 - 128	3.59	20	
o-Xylene	54.1600	5.0	0.67	50.0000		108	82 - 134	6.05	20	
sec-Butylbenzene	48.6400	5.0	0.63	50.0000		97.3	81 - 138	7.29	20	
Styrene	45.8300	5.0	0.45	50.0000		91.7	79 - 152	5.03	20	
tert-Amyl methyl ether	46.3100	5.0	1.1	50.0000		92.6	48 - 166	11.5	20	
tert-Butanol	243.780	100	11	250.000		97.5	48 - 148	5.54	20	
tert-Butylbenzene	48.3800	5.0	0.80	50.0000		96.8	81 - 135	6.71	20	
Tetrachloroethene	51.5300	5.0	0.31	50.0000		103	75 - 127	12.0	20	
Toluene	54.1700	5.0	0.27	50.0000		108	88 - 130	7.39	20	
trans-1,2-Dichloroethene	39.9500	5.0	0.56	50.0000		79.9	79 - 127	1.39	20	
trans-1,3-Dichloropropene	54.4800	5.0	0.59	50.0000		109	80 - 130	9.74	20	
Trichloroethene	51.4900	5.0	0.32	50.0000		103	83 - 126	6.50	20	
Trichlorofluoromethane	75.2600	5.0	1.0	50.0000		151	62 - 143	11.0	20	L4
Vinyl acetate	105.550	50	6.0	500.000		21.1	69 - 150	2.47	20	MO
Vinyl chloride	53.7400	5.0	0.92	50.0000		107	69 - 140	15.1	20	

Surrogate: 1,2-Dichloroethane-d4	74.58			50.0000		149	66 - 200			
Surrogate: 4-Bromofluorobenzene	56.43			50.0000		113	50 - 146			
Surrogate: Dibromofluoromethane	58.75			50.0000		118	77 - 159			
Surrogate: Toluene-d8	57.99			50.0000		116	81 - 128			



2200329

FROM: GSI Environmental Inc.  
 19200 Von Karman Ave, Suite 800  
 Irvine, CA 92612  
 (949) 679-1070

PROJECT NAME: Ontario Airport

PROJECT CONTACT: Vinnie Robino / Josh Voss

GLOBAL ID: T22 6010B/7471A

PROJECT NO.: 5925

LAB CONTACT: Victoria Michel

SAMPLER(S): (PRINT) Tiam Novin / Josh Voss

TEL: (949) 679-1070 E-MAIL: vprobino@gsi-net.com / jvoss@gsi-net.com

LABORATORY: Advanced Technology Laboratories

TURNAROUND TIME:  
 SAME DAY  
 24 HR  
 48 HR  
 72 HR  
 5 DAYS  
 STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

LAB USE ONLY	SAMPLE ID	SAMPLING TIME		MATRIX	NO. OF CONT.	REQUESTED ANALYSES												
		DATE	TIME			T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051				
1	61W-42-1-1	3/9/22	0816	Soil	1	X	X	X										
2	61W-42-1-5.5		0838		5	X	X	X										
3	61W-41-2-1		0910		1	X	X	X										
4	61W-41-2-5.5		0922		5	X	X	X										
5	61W-41-1-1		0952		1	X	X	X										
6	61W-41-1-5.5		1005		5	X	X	X										
7	61W-40-1-1		1038		1	X	X	X										
8	61W-40-1-5.5		1105		5	X	X	X										
9	61W-29-3-1		1200		1	X	X	X										
10	61W-29-3-5		1214		1	X	X	X										
11	61W-29-2-1		1306		1	X	X	X										
12	61W-29-2-5		1313		1	X	X	X										
13	TB-20220309		1316	water	4													
14	61W-29-1-1		1328	Soil	1	X	X	X										
15	61W-29-1-5		1333	Soil	1	X	X	X										

Requested Analyses Legend:  
 T22 6010B/7471A: VOCs 8260B, GRO 8015, DRO/ORO 8015, SVOCs 8270C, PAHs 8270 SIM, PCBs 8082, OCPs 8081A, Herbicides 8051

Field Filtered: [ ]  
 Preserved: [ ]  
 Unpreserved: [ ]

Received by: (Signature) [Signature] Date: 3/9/22 Time: 16:00  
 Relinquished by: (Signature) [Signature] Date: 3/9/22 Time: 18:00  
 Relinquished by: (Signature) [Signature] Date: 3/9/22 Time: 18:00

2200329

3.2°C

<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070				<b>PROJECT NAME:</b> Ontario Airport				<b>PROJECT NO.:</b> 5925	
<b>TEL:</b> (949) 679-1070				<b>E-MAIL:</b> vprobino@gsi-net.com / jcvoss@gsi-net.com				<b>LAB CONTACT:</b> Victoria Michel	
<b>GLOBAL ID:</b> vprobino@gsi-net.com / jcvoss@gsi-net.com				<b>PROJECT CONTACT:</b> Vinnie Robino / Josh Voss				<b>SAMPLER(S): (PRINT)</b> Tiam Navin / Josh Voss	
<b>LABORATORY:</b> Advanced Technology Laboratories				<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.					
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 72 HR <input type="checkbox"/> 24 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 48 HR <input checked="" type="checkbox"/> STANDARD			SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32			T22 6010B/7471A VOCs 8260B GRO 8015 DRO/ORO 8015 SVOCs 8270C PAHs 8270 SIM PCBs 8082 OCPs 8081A Herbicides 8051		HOLD X	
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Preservation			
		DATE	TIME			Unpreserved	Preserved	Field Filtered	
16	61w-24-1-1	3/9/22	1405	SOIL	1	1			
17	61w-24-1-3	↓	1408	↓	1	1			
<i>(Large diagonal scribble across the table)</i>									
Relinquished by: (Signature)						Received by: (Signature)		Date: 3/9/22	
Relinquished by: (Signature)						Received by: (Signature)		Date: 3/9/22	
Relinquished by: (Signature)						Received by: (Signature)		Date: 3/9/22	

May 12, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200346

Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 10, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 05/12/22 15:29 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
68-22-Shed1-2-1	2200346-01	Soil	3/10/22 8:22	3/10/22 17:42
68-22-Shed1-2-5.5	2200346-02	Soil	3/10/22 8:30	3/10/22 17:42
61W-37-1-1	2200346-03	Soil	3/10/22 9:35	3/10/22 17:42
61W-37-1-5.5	2200346-04	Soil	3/10/22 10:00	3/10/22 17:42
61W-37-2-1	2200346-05	Soil	3/10/22 10:35	3/10/22 17:42
61W-37--2-5.5	2200346-06	Soil	3/10/22 10:44	3/10/22 17:42
61W-38-1-1	2200346-07	Soil	3/10/22 11:15	3/10/22 17:42
61W-38-1-5.5	2200346-08	Soil	3/10/22 11:30	3/10/22 17:42
61W-38-2-1	2200346-09	Soil	3/10/22 11:54	3/10/22 17:42
61W-38-2-5.5	2200346-10	Soil	3/10/22 12:05	3/10/22 17:42
61W-39-1-1	2200346-11	Soil	3/10/22 13:00	3/10/22 17:42
61W-39-1-5.5	2200346-12	Soil	3/10/22 13:05	3/10/22 17:42
61W-39-2-1	2200346-13	Soil	3/10/22 13:25	3/10/22 17:42
61W-39-2-5.5	2200346-14	Soil	3/10/22 13:36	3/10/22 17:42
61W-39-3-1	2200346-15	Soil	3/10/22 14:05	3/10/22 17:42
61W-39-3-5.5	2200346-16	Soil	3/10/22 14:13	3/10/22 17:42
TB_20220310	2200346-17	Water	3/10/22 14:18	3/10/22 17:42



## Certificate of Analysis

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Irvine , CA 92612

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Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Notes and Definitions

MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200346-01	68-22-Shed1-2-1	ND	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22	12:53	
2200346-03	61W-37-1-1	ND	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22	13:06	
2200346-05	61W-37-2-1	ND	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22	13:10	
2200346-07	61W-38-1-1	ND	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22	13:13	
2200346-09	61W-38-2-1	ND	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22	13:16	
2200346-11	61W-39-1-1	ND	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22	13:29	
2200346-13	61W-39-2-1	ND	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22	13:33	
2200346-15	61W-39-3-1	ND	mg/kg	0.10	1	B2C1180	03/16/2022	03/16/22	13:36	

Client Sample ID: 68-22-Shed1-2-1

Lab ID: 2200346-01

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result		Dilution	Batch	Prepared	Date/Time		Notes
	(mg/kg)	PQL (mg/kg)				Analized		
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22	17:24	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
<b>Barium</b>	<b>86</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
<b>Beryllium</b>	<b>2.2</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
<b>Chromium</b>	<b>11</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
<b>Cobalt</b>	<b>4.6</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
<b>Copper</b>	<b>8.6</b>	2.0	1	B2C1100	03/15/2022	03/15/22	17:24	
<b>Lead</b>	<b>2.1</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
<b>Nickel</b>	<b>5.2</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
<b>Selenium</b>	<b>1.1</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
<b>Silver</b>	<b>5.0</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
<b>Vanadium</b>	<b>26</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	
<b>Zinc</b>	<b>34</b>	1.0	1	B2C1100	03/15/2022	03/15/22	17:24	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-22-Shed1-2-5.5**  
**Lab ID: 2200346-02**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 19:03	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 19:03	
<i>Surrogate: p-Terphenyl</i>	<i>115 %</i>	<i>62 - 141</i>		B2C1116	03/12/2022	<i>03/14/22 19:03</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1,1-Trichloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1,2-Trichloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1-Dichloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1-Dichloroethene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,1-Dichloropropene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2,3-Trichloropropane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2-Dibromoethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2-Dichlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2-Dichloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,2-Dichloropropane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,3-Dichlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,3-Dichloropropane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
1,4-Dichlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
2,2-Dichloropropane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
2-Chlorotoluene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
4-Chlorotoluene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
4-Isopropyltoluene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Benzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Bromobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Bromochloromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Bromodichloromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Bromoform	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Bromomethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Carbon disulfide	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	





## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 68-22-Shed1-2-5.5**

**Lab ID: 2200346-02**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Chlorobenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Chloroethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Chloroform	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Chloromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Di-isopropyl ether	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Dibromochloromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Dibromomethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Dichlorodifluoromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Ethyl Acetate	ND	43	1	B2C1158	03/15/2022	03/15/22 17:43	
Ethyl Ether	ND	43	1	B2C1158	03/15/2022	03/15/22 17:43	
Ethyl tert-butyl ether	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Ethylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Freon-113	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Hexachlorobutadiene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Isopropylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
m,p-Xylene	ND	8.7	1	B2C1158	03/15/2022	03/15/22 17:43	
Methylene chloride	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
MTBE	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
n-Butylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
n-Propylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Naphthalene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
o-Xylene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
sec-Butylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Styrene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
tert-Amyl methyl ether	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
tert-Butanol	ND	87	1	B2C1158	03/15/2022	03/15/22 17:43	
tert-Butylbenzene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Tetrachloroethene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Toluene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Trichloroethene	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Trichlorofluoromethane	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	
Vinyl acetate	ND	43	1	B2C1158	03/15/2022	03/15/22 17:43	
Vinyl chloride	ND	4.3	1	B2C1158	03/15/2022	03/15/22 17:43	

Surrogate: 1,2-Dichloroethane-d4	178 %	66 - 200	B2C1158	03/15/2022	03/15/22 17:43
Surrogate: 4-Bromofluorobenzene	109 %	50 - 146	B2C1158	03/15/2022	03/15/22 17:43



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 68-22-Shed1-2-5.5**  
**Lab ID: 2200346-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	117 %	77 - 159		B2C1158	03/15/2022	03/15/22 17:43	
Surrogate: Toluene-d8	112 %	81 - 128		B2C1158	03/15/2022	03/15/22 17:43	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1202	03/16/2022	03/16/22 19:59	
Surrogate: 4-Bromofluorobenzene	93.1 %	47.6 - 121.18		B2C1202	03/16/2022	03/16/22 19:59	

**Client Sample ID: 61W-37-1-1**  
**Lab ID: 2200346-03**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
<b>Barium</b>	<b>76</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
<b>Beryllium</b>	<b>2.3</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
<b>Cobalt</b>	<b>5.0</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
<b>Copper</b>	<b>10</b>	2.0	1	B2C1100	03/15/2022	03/15/22 17:26	
<b>Lead</b>	<b>3.2</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
<b>Nickel</b>	<b>6.2</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
<b>Selenium</b>	<b>1.2</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
<b>Silver</b>	<b>5.0</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
<b>Vanadium</b>	<b>26</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	
<b>Zinc</b>	<b>37</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:26	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-37-1-5.5**  
**Lab ID: 2200346-04**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 16:50	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>67.0 %</i>	<i>12 - 125</i>		B2C1140	03/14/2022	<i>03/16/22 16:50</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>74.9 %</i>	<i>14 - 139</i>		B2C1140	03/14/2022	<i>03/16/22 16:50</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>49.8 %</i>	<i>8 - 155</i>		B2C1140	03/14/2022	<i>03/16/22 16:50</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>109 %</i>	<i>16 - 152</i>		B2C1140	03/14/2022	<i>03/16/22 16:50</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 19:23	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 19:23	
<i>Surrogate: p-Terphenyl</i>	<i>98.2 %</i>	<i>62 - 141</i>		B2C1116	03/12/2022	<i>03/14/22 19:23</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,1,1-Trichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,1,2,2-Tetrachloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,1,2-Trichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-37-1-5.5**  
**Lab ID: 2200346-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,1-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,1-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2,3-Trichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2,3-Trichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2,4-Trichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2,4-Trimethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2-Dibromo-3-chloropropane	ND	8.1	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2-Dibromoethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2-Dichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,2-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,3,5-Trimethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,3-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,3-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
1,4-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
2,2-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
2-Chlorotoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
4-Chlorotoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
4-Isopropyltoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Benzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Bromobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Bromochloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Bromodichloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Bromoform	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Bromomethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Carbon disulfide	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Carbon tetrachloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Chlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Chloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Chloroform	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Chloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
cis-1,2-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
cis-1,3-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Di-isopropyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Dibromochloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Dibromomethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Dichlorodifluoromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Ethyl Acetate	ND	40	1	B2C1158	03/15/2022	03/15/22 18:09	
Ethyl Ether	ND	40	1	B2C1158	03/15/2022	03/15/22 18:09	



## Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-37-1-5.5**  
**Lab ID: 2200346-04**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Ethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Freon-113	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Hexachlorobutadiene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Isopropylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
m,p-Xylene	ND	8.1	1	B2C1158	03/15/2022	03/15/22 18:09	
Methylene chloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
MTBE	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
n-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
n-Propylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Naphthalene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
o-Xylene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
sec-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Styrene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
tert-Amyl methyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
tert-Butanol	ND	81	1	B2C1158	03/15/2022	03/15/22 18:09	
tert-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Tetrachloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Toluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
trans-1,2-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
trans-1,3-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Trichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Trichlorofluoromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
Vinyl acetate	ND	40	1	B2C1158	03/15/2022	03/15/22 18:09	
Vinyl chloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 18:09	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>179 %</i>	<i>66 - 200</i>		B2C1158	03/15/2022	03/15/22 18:09	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>106 %</i>	<i>50 - 146</i>		B2C1158	03/15/2022	03/15/22 18:09	
<i>Surrogate: Dibromofluoromethane</i>	<i>114 %</i>	<i>77 - 159</i>		B2C1158	03/15/2022	03/15/22 18:09	
<i>Surrogate: Toluene-d8</i>	<i>111 %</i>	<i>81 - 128</i>		B2C1158	03/15/2022	03/15/22 18:09	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.99	1	B2C1202	03/16/2022	03/16/22 20:24	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.6 %</i>	<i>47.6 - 121.18</i>		B2C1202	03/16/2022	03/16/22 20:24	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-37-2-1**  
**Lab ID: 2200346-05**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:27	
<b>Arsenic</b>	<b>3.8</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
<b>Barium</b>	<b>70</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
<b>Beryllium</b>	<b>2.0</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
<b>Chromium</b>	<b>10</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
<b>Cobalt</b>	<b>4.1</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
<b>Copper</b>	<b>8.0</b>	2.0	1	B2C1100	03/15/2022	03/15/22 17:27	
<b>Lead</b>	<b>2.3</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
<b>Nickel</b>	<b>4.7</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Selenium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
<b>Silver</b>	<b>4.3</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
<b>Vanadium</b>	<b>24</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	
<b>Zinc</b>	<b>31</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:27	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-37--2-5.5**  
**Lab ID: 2200346-06**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/16/22 23:36	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>64.7 %</i>	<i>12 - 125</i>		B2C1140	03/14/2022	<i>03/16/22 23:36</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>74.6 %</i>	<i>14 - 139</i>		B2C1140	03/14/2022	<i>03/16/22 23:36</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>52.6 %</i>	<i>8 - 155</i>		B2C1140	03/14/2022	<i>03/16/22 23:36</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>126 %</i>	<i>16 - 152</i>		B2C1140	03/14/2022	<i>03/16/22 23:36</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 19:44	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 19:44	
<i>Surrogate: p-Terphenyl</i>	<i>116 %</i>	<i>62 - 141</i>		B2C1116	03/12/2022	<i>03/14/22 19:44</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,1,1-Trichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,1,2-Trichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	



# Certificate of Analysis

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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-37--2-5.5**  
**Lab ID: 2200346-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,1-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,1-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2,3-Trichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2-Dibromoethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2-Dichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,2-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,3-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,3-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
1,4-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
2,2-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
2-Chlorotoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
4-Chlorotoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
4-Isopropyltoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Benzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Bromobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Bromochloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Bromodichloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Bromoform	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Bromomethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Carbon disulfide	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Carbon tetrachloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Chlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Chloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Chloroform	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Chloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Di-isopropyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Dibromochloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Dibromomethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Dichlorodifluoromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Ethyl Acetate	ND	44	1	B2C1158	03/15/2022	03/15/22 18:35	
Ethyl Ether	ND	44	1	B2C1158	03/15/2022	03/15/22 18:35	





## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-37--2-5.5**  
**Lab ID: 2200346-06**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Ethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Freon-113	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Hexachlorobutadiene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Isopropylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
m,p-Xylene	ND	8.8	1	B2C1158	03/15/2022	03/15/22 18:35	
Methylene chloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
MTBE	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
n-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
n-Propylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Naphthalene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
o-Xylene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
sec-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Styrene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
tert-Amyl methyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
tert-Butanol	ND	88	1	B2C1158	03/15/2022	03/15/22 18:35	
tert-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Tetrachloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Toluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Trichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Trichlorofluoromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
Vinyl acetate	ND	44	1	B2C1158	03/15/2022	03/15/22 18:35	
Vinyl chloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 18:35	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>182 %</i>	<i>66 - 200</i>		B2C1158	03/15/2022	03/15/22 18:35	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>105 %</i>	<i>50 - 146</i>		B2C1158	03/15/2022	03/15/22 18:35	
<i>Surrogate: Dibromofluoromethane</i>	<i>119 %</i>	<i>77 - 159</i>		B2C1158	03/15/2022	03/15/22 18:35	
<i>Surrogate: Toluene-d8</i>	<i>109 %</i>	<i>81 - 128</i>		B2C1158	03/15/2022	03/15/22 18:35	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.99	1	B2C1202	03/16/2022	03/17/22 01:56	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.9 %</i>	<i>47.6 - 121.18</i>		B2C1202	03/16/2022	03/17/22 01:56	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-38-1-1**  
**Lab ID: 2200346-07**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
<b>Barium</b>	<b>93</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
<b>Cobalt</b>	<b>5.1</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
<b>Copper</b>	<b>8.9</b>	2.0	1	B2C1100	03/15/2022	03/15/22 17:36	
<b>Lead</b>	<b>2.2</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
<b>Nickel</b>	<b>5.4</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
<b>Selenium</b>	<b>1.5</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
<b>Silver</b>	<b>5.2</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
<b>Vanadium</b>	<b>28</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	
<b>Zinc</b>	<b>35</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:36	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-38-1-5.5**  
**Lab ID: 2200346-08**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:01	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>51.4 %</i>	<i>12 - 125</i>		B2C1140	03/14/2022	<i>03/17/22 00:01</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>62.5 %</i>	<i>14 - 139</i>		B2C1140	03/14/2022	<i>03/17/22 00:01</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>38.4 %</i>	<i>8 - 155</i>		B2C1140	03/14/2022	<i>03/17/22 00:01</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>83.0 %</i>	<i>16 - 152</i>		B2C1140	03/14/2022	<i>03/17/22 00:01</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 20:05	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 20:05	
<i>Surrogate: p-Terphenyl</i>	<i>126 %</i>	<i>62 - 141</i>		B2C1116	03/12/2022	<i>03/14/22 20:05</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,1,1-Trichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,1,2-Trichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-38-1-5.5**  
**Lab ID: 2200346-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,1-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,1-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2,3-Trichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2-Dibromo-3-chloropropane	ND	7.8	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2-Dibromoethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2-Dichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,2-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,3-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,3-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
1,4-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
2,2-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
2-Chlorotoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
4-Chlorotoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
4-Isopropyltoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Benzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Bromobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Bromochloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Bromodichloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Bromoform	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Bromomethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Carbon disulfide	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Carbon tetrachloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Chlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Chloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Chloroform	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Chloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Di-isopropyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Dibromochloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Dibromomethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Dichlorodifluoromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Ethyl Acetate	ND	39	1	B2C1158	03/15/2022	03/15/22 19:00	
Ethyl Ether	ND	39	1	B2C1158	03/15/2022	03/15/22 19:00	



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-38-1-5.5**  
**Lab ID: 2200346-08**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Ethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Freon-113	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Hexachlorobutadiene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Isopropylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
m,p-Xylene	ND	7.8	1	B2C1158	03/15/2022	03/15/22 19:00	
Methylene chloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
MTBE	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
n-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
n-Propylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Naphthalene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
o-Xylene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
sec-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Styrene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
tert-Amyl methyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
tert-Butanol	ND	78	1	B2C1158	03/15/2022	03/15/22 19:00	
tert-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Tetrachloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Toluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Trichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Trichlorofluoromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
Vinyl acetate	ND	39	1	B2C1158	03/15/2022	03/15/22 19:00	
Vinyl chloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:00	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>173 %</i>	<i>66 - 200</i>		B2C1158	03/15/2022	03/15/22 19:00	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>100 %</i>	<i>50 - 146</i>		B2C1158	03/15/2022	03/15/22 19:00	
<i>Surrogate: Dibromofluoromethane</i>	<i>120 %</i>	<i>77 - 159</i>		B2C1158	03/15/2022	03/15/22 19:00	
<i>Surrogate: Toluene-d8</i>	<i>109 %</i>	<i>81 - 128</i>		B2C1158	03/15/2022	03/15/22 19:00	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1202	03/16/2022	03/16/22 21:51	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.9 %</i>	<i>47.6 - 121.18</i>		B2C1202	03/16/2022	03/16/22 21:51	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-38-2-1**  
**Lab ID: 2200346-09**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Arsenic	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
<b>Barium</b>	<b>96</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Cadmium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
<b>Cobalt</b>	<b>5.3</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
<b>Copper</b>	<b>10</b>	2.0	1	B2C1100	03/15/2022	03/15/22 17:38	
<b>Lead</b>	<b>2.2</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Molybdenum	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Nickel	5.7	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Selenium	1.2	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Silver	5.2	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
Thallium	ND	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
<b>Vanadium</b>	<b>28</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	
<b>Zinc</b>	<b>38</b>	1.0	1	B2C1100	03/15/2022	03/15/22 17:38	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-38-2-5.5**  
**Lab ID: 2200346-10**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:27	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>51.0 %</i>	<i>12 - 125</i>		B2C1140	03/14/2022	<i>03/17/22 00:27</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>62.4 %</i>	<i>14 - 139</i>		B2C1140	03/14/2022	<i>03/17/22 00:27</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>37.6 %</i>	<i>8 - 155</i>		B2C1140	03/14/2022	<i>03/17/22 00:27</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>78.5 %</i>	<i>16 - 152</i>		B2C1140	03/14/2022	<i>03/17/22 00:27</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 20:25	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 20:25	
<i>Surrogate: p-Terphenyl</i>	<i>113 %</i>	<i>62 - 141</i>		B2C1116	03/12/2022	<i>03/14/22 20:25</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,1,1-Trichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,1,2,2-Tetrachloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,1,2-Trichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-38-2-5.5**  
**Lab ID: 2200346-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,1-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,1-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2,3-Trichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2,3-Trichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2,4-Trichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2,4-Trimethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2-Dibromoethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2-Dichloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,2-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,3,5-Trimethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,3-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,3-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
1,4-Dichlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
2,2-Dichloropropane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
2-Chlorotoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
4-Chlorotoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
4-Isopropyltoluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Benzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Bromobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Bromochloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Bromodichloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Bromoform	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Bromomethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Carbon disulfide	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Carbon tetrachloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Chlorobenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Chloroethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Chloroform	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Chloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
cis-1,2-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
cis-1,3-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Di-isopropyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Dibromochloromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Dibromomethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Dichlorodifluoromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Ethyl Acetate	ND	40	1	B2C1158	03/15/2022	03/15/22 19:26	
Ethyl Ether	ND	40	1	B2C1158	03/15/2022	03/15/22 19:26	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-38-2-5.5**  
**Lab ID: 2200346-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Ethylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Freon-113	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Hexachlorobutadiene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Isopropylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
m,p-Xylene	ND	7.9	1	B2C1158	03/15/2022	03/15/22 19:26	
Methylene chloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
MTBE	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
n-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
n-Propylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Naphthalene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
o-Xylene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
sec-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Styrene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
tert-Amyl methyl ether	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
tert-Butanol	ND	79	1	B2C1158	03/15/2022	03/15/22 19:26	
tert-Butylbenzene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Tetrachloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Toluene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
trans-1,2-Dichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
trans-1,3-Dichloropropene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Trichloroethene	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Trichlorofluoromethane	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
Vinyl acetate	ND	40	1	B2C1158	03/15/2022	03/15/22 19:26	
Vinyl chloride	ND	4.0	1	B2C1158	03/15/2022	03/15/22 19:26	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>186 %</i>	<i>66 - 200</i>		B2C1158	03/15/2022	03/15/22 19:26	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>107 %</i>	<i>50 - 146</i>		B2C1158	03/15/2022	03/15/22 19:26	
<i>Surrogate: Dibromofluoromethane</i>	<i>128 %</i>	<i>77 - 159</i>		B2C1158	03/15/2022	03/15/22 19:26	
<i>Surrogate: Toluene-d8</i>	<i>114 %</i>	<i>81 - 128</i>		B2C1158	03/15/2022	03/15/22 19:26	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1202	03/16/2022	03/16/22 22:16	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.2 %</i>	<i>47.6 - 121.18</i>		B2C1202	03/16/2022	03/16/22 22:16	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-39-1-1**  
**Lab ID: 2200346-11**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Arsenic	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
<b>Barium</b>	<b>130</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
<b>Beryllium</b>	<b>3.3</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Cadmium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
<b>Chromium</b>	<b>17</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
<b>Cobalt</b>	<b>5.5</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
<b>Copper</b>	<b>13</b>	2.0	1	B2C1102	03/11/2022	03/14/22 12:31	
<b>Lead</b>	<b>3.1</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Molybdenum	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
<b>Nickel</b>	<b>7.2</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Selenium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
<b>Silver</b>	<b>7.4</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
Thallium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
<b>Vanadium</b>	<b>37</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	
<b>Zinc</b>	<b>45</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:31	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-39-1-5.5**  
**Lab ID: 2200346-12**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 00:53	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>43.4 %</i>	<i>12 - 125</i>		B2C1140	03/14/2022	<i>03/17/22 00:53</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>48.7 %</i>	<i>14 - 139</i>		B2C1140	03/14/2022	<i>03/17/22 00:53</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>43.2 %</i>	<i>8 - 155</i>		B2C1140	03/14/2022	<i>03/17/22 00:53</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>88.5 %</i>	<i>16 - 152</i>		B2C1140	03/14/2022	<i>03/17/22 00:53</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 20:46	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 20:46	
<i>Surrogate: p-Terphenyl</i>	<i>114 %</i>	<i>62 - 141</i>		B2C1116	03/12/2022	<i>03/14/22 20:46</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,1,1-Trichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,1,2-Trichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-39-1-5.5**  
**Lab ID: 2200346-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,1-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,1-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2,3-Trichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2-Dibromoethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2-Dichloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,2-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,3-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,3-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
1,4-Dichlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
2,2-Dichloropropane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
2-Chlorotoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
4-Chlorotoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
4-Isopropyltoluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Benzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Bromobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Bromochloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Bromodichloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Bromoform	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Bromomethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Carbon disulfide	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Carbon tetrachloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Chlorobenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Chloroethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Chloroform	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Chloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Di-isopropyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Dibromochloromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Dibromomethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Dichlorodifluoromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Ethyl Acetate	ND	39	1	B2C1158	03/15/2022	03/15/22 19:51	
Ethyl Ether	ND	39	1	B2C1158	03/15/2022	03/15/22 19:51	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-39-1-5.5**  
**Lab ID: 2200346-12**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Ethylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Freon-113	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Hexachlorobutadiene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Isopropylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
m,p-Xylene	ND	7.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Methylene chloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
MTBE	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
n-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
n-Propylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Naphthalene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
o-Xylene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
sec-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Styrene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
tert-Amyl methyl ether	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
tert-Butanol	ND	79	1	B2C1158	03/15/2022	03/15/22 19:51	
tert-Butylbenzene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Tetrachloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Toluene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Trichloroethene	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Trichlorofluoromethane	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
Vinyl acetate	ND	39	1	B2C1158	03/15/2022	03/15/22 19:51	
Vinyl chloride	ND	3.9	1	B2C1158	03/15/2022	03/15/22 19:51	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>180 %</i>	<i>66 - 200</i>		B2C1158	03/15/2022	<i>03/15/22 19:51</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>50 - 146</i>		B2C1158	03/15/2022	<i>03/15/22 19:51</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>124 %</i>	<i>77 - 159</i>		B2C1158	03/15/2022	<i>03/15/22 19:51</i>	
<i>Surrogate: Toluene-d8</i>	<i>111 %</i>	<i>81 - 128</i>		B2C1158	03/15/2022	<i>03/15/22 19:51</i>	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.81	1	B2C1202	03/16/2022	03/16/22 22:40	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.9 %</i>	<i>47.6 - 121.18</i>		B2C1202	03/16/2022	<i>03/16/22 22:40</i>	



# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-39-2-1**  
**Lab ID: 2200346-13**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Arsenic	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
<b>Barium</b>	<b>81</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
<b>Beryllium</b>	<b>2.1</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Cadmium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
<b>Chromium</b>	<b>11</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
<b>Cobalt</b>	<b>3.9</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
<b>Copper</b>	<b>8.7</b>	2.0	1	B2C1102	03/11/2022	03/14/22 12:37	
<b>Lead</b>	<b>2.2</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Molybdenum	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
<b>Nickel</b>	<b>4.9</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Selenium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
<b>Silver</b>	<b>4.6</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
Thallium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
<b>Vanadium</b>	<b>26</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	
<b>Zinc</b>	<b>31</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:37	



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

**Client Sample ID: 61W-39-2-5.5**  
**Lab ID: 2200346-14**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:19	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>43.5 %</i>	<i>12 - 125</i>		B2C1140	03/14/2022	<i>03/17/22 01:19</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>44.4 %</i>	<i>14 - 139</i>		B2C1140	03/14/2022	<i>03/17/22 01:19</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>14.7 %</i>	<i>8 - 155</i>		B2C1140	03/14/2022	<i>03/17/22 01:19</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>87.9 %</i>	<i>16 - 152</i>		B2C1140	03/14/2022	<i>03/17/22 01:19</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 21:06	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 21:06	
<i>Surrogate: p-Terphenyl</i>	<i>123 %</i>	<i>62 - 141</i>		B2C1116	03/12/2022	<i>03/14/22 21:06</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,1,1-Trichloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,1,2-Trichloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	



# Certificate of Analysis

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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-39-2-5.5**  
**Lab ID: 2200346-14**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,1-Dichloroethene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,1-Dichloropropene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2,3-Trichloropropane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2-Dibromo-3-chloropropane	ND	9.8	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2-Dibromoethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2-Dichlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2-Dichloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,2-Dichloropropane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,3-Dichlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,3-Dichloropropane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
1,4-Dichlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
2,2-Dichloropropane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
2-Chlorotoluene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
4-Chlorotoluene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
4-Isopropyltoluene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Benzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Bromobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Bromochloromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Bromodichloromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Bromoform	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Bromomethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Carbon disulfide	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Carbon tetrachloride	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Chlorobenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Chloroethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Chloroform	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Chloromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Di-isopropyl ether	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Dibromochloromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Dibromomethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Dichlorodifluoromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Ethyl Acetate	ND	49	1	B2C1158	03/15/2022	03/15/22 20:17	
Ethyl Ether	ND	49	1	B2C1158	03/15/2022	03/15/22 20:17	





## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-39-2-5.5**  
**Lab ID: 2200346-14**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Ethylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Freon-113	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Hexachlorobutadiene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Isopropylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
m,p-Xylene	ND	9.8	1	B2C1158	03/15/2022	03/15/22 20:17	
Methylene chloride	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
MTBE	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
n-Butylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
n-Propylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Naphthalene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
o-Xylene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
sec-Butylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Styrene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
tert-Amyl methyl ether	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
tert-Butanol	ND	98	1	B2C1158	03/15/2022	03/15/22 20:17	
tert-Butylbenzene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Tetrachloroethene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Toluene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Trichloroethene	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Trichlorofluoromethane	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
Vinyl acetate	ND	49	1	B2C1158	03/15/2022	03/15/22 20:17	
Vinyl chloride	ND	4.9	1	B2C1158	03/15/2022	03/15/22 20:17	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>177 %</i>	<i>66 - 200</i>		B2C1158	03/15/2022	03/15/22 20:17	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>104 %</i>	<i>50 - 146</i>		B2C1158	03/15/2022	03/15/22 20:17	
<i>Surrogate: Dibromofluoromethane</i>	<i>121 %</i>	<i>77 - 159</i>		B2C1158	03/15/2022	03/15/22 20:17	
<i>Surrogate: Toluene-d8</i>	<i>108 %</i>	<i>81 - 128</i>		B2C1158	03/15/2022	03/15/22 20:17	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.0	1	B2C1202	03/16/2022	03/16/22 23:05	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.6 %</i>	<i>47.6 - 121.18</i>		B2C1202	03/16/2022	03/16/22 23:05	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-39-3-1**  
**Lab ID: 2200346-15**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Arsenic	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
<b>Barium</b>	<b>71</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
<b>Beryllium</b>	<b>1.9</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Cadmium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
<b>Chromium</b>	<b>9.9</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
<b>Cobalt</b>	<b>3.6</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
<b>Copper</b>	<b>8.3</b>	2.0	1	B2C1102	03/11/2022	03/14/22 12:38	
<b>Lead</b>	<b>2.1</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Molybdenum	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
<b>Nickel</b>	<b>4.6</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Selenium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
<b>Silver</b>	<b>4.1</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
Thallium	ND	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
<b>Vanadium</b>	<b>23</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	
<b>Zinc</b>	<b>28</b>	1.0	1	B2C1102	03/11/2022	03/14/22 12:38	



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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-39-3-5.5**  
**Lab ID: 2200346-16**

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Acenaphthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Acenaphthylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Benzo(a)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Benzo(a)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Benzo(b)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Benzo(k)fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Chrysene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Fluoranthene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Fluorene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Naphthalene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Phenanthrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
Pyrene	ND	5.0	1	B2C1140	03/14/2022	03/17/22 01:45	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>38.1 %</i>	<i>12 - 125</i>		B2C1140	03/14/2022	<i>03/17/22 01:45</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>40.1 %</i>	<i>14 - 139</i>		B2C1140	03/14/2022	<i>03/17/22 01:45</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>9.37 %</i>	<i>8 - 155</i>		B2C1140	03/14/2022	<i>03/17/22 01:45</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>71.8 %</i>	<i>16 - 152</i>		B2C1140	03/14/2022	<i>03/17/22 01:45</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1116	03/12/2022	03/14/22 21:27	
C23-C32	ND	10	1	B2C1116	03/12/2022	03/14/22 21:27	
<i>Surrogate: p-Terphenyl</i>	<i>114 %</i>	<i>62 - 141</i>		B2C1116	03/12/2022	<i>03/14/22 21:27</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,1,1-Trichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,1,2-Trichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-39-3-5.5**  
**Lab ID: 2200346-16**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,1-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,1-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2,3-Trichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2-Dibromoethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2-Dichloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,2-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,3-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,3-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
1,4-Dichlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
2,2-Dichloropropane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
2-Chlorotoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
4-Chlorotoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
4-Isopropyltoluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Benzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Bromobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Bromochloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Bromodichloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Bromoform	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Bromomethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Carbon disulfide	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Carbon tetrachloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Chlorobenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Chloroethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Chloroform	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Chloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Di-isopropyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Dibromochloromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Dibromomethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Dichlorodifluoromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Ethyl Acetate	ND	44	1	B2C1158	03/15/2022	03/15/22 20:43	
Ethyl Ether	ND	44	1	B2C1158	03/15/2022	03/15/22 20:43	



## Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-39-3-5.5**  
**Lab ID: 2200346-16**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Ethylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Freon-113	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Hexachlorobutadiene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Isopropylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
m,p-Xylene	ND	8.9	1	B2C1158	03/15/2022	03/15/22 20:43	
Methylene chloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
MTBE	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
n-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
n-Propylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Naphthalene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
o-Xylene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
sec-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Styrene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
tert-Amyl methyl ether	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
tert-Butanol	ND	89	1	B2C1158	03/15/2022	03/15/22 20:43	
tert-Butylbenzene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Tetrachloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Toluene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Trichloroethene	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Trichlorofluoromethane	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
Vinyl acetate	ND	44	1	B2C1158	03/15/2022	03/15/22 20:43	
Vinyl chloride	ND	4.4	1	B2C1158	03/15/2022	03/15/22 20:43	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>179 %</i>	<i>66 - 200</i>		B2C1158	03/15/2022	03/15/22 20:43	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>106 %</i>	<i>50 - 146</i>		B2C1158	03/15/2022	03/15/22 20:43	
<i>Surrogate: Dibromofluoromethane</i>	<i>118 %</i>	<i>77 - 159</i>		B2C1158	03/15/2022	03/15/22 20:43	
<i>Surrogate: Toluene-d8</i>	<i>110 %</i>	<i>81 - 128</i>		B2C1158	03/15/2022	03/15/22 20:43	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.89	1	B2C1202	03/16/2022	03/16/22 23:29	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.4 %</i>	<i>47.6 - 121.18</i>		B2C1202	03/16/2022	03/16/22 23:29	



## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### QUALITY CONTROL SECTION

#### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1140 - MSSEMI\_S**

**Blank (B2C1140-BLK1)**

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	ND	5.0	0.60
Acenaphthene	ND	5.0	0.41
Acenaphthylene	ND	5.0	0.41
Anthracene	ND	5.0	0.56
Benzo(a)anthracene	ND	5.0	0.56
Benzo(a)pyrene	ND	5.0	0.69
Benzo(b)fluoranthene	ND	5.0	2.2
Benzo(g,h,i)perylene	ND	5.0	0.80
Benzo(k)fluoranthene	ND	5.0	0.70
Chrysene	ND	5.0	0.61
Dibenz(a,h)anthracene	ND	5.0	0.88
Fluoranthene	ND	5.0	0.45
Fluorene	ND	5.0	0.35
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82
Naphthalene	ND	5.0	0.56
Phenanthrene	ND	5.0	0.34
Pyrene	ND	5.0	0.51

Surrogate: 1,2-Dichlorobenzene-d4	43.89		66.6667	65.8	12 - 125
Surrogate: 2-Fluorobiphenyl	48.87		66.6667	73.3	14 - 139
Surrogate: Nitrobenzene-d5	34.24		66.6667	51.4	8 - 155
Surrogate: 4-Terphenyl-d14	93.01		66.6667	140	16 - 152

**Blank (B2C1140-BLK2)**

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	ND	5.0	0.60
Acenaphthene	ND	5.0	0.41
Acenaphthylene	ND	5.0	0.41
Anthracene	ND	5.0	0.56
Benzo(a)anthracene	ND	5.0	0.56
Benzo(a)pyrene	ND	5.0	0.69
Benzo(b)fluoranthene	ND	5.0	2.2
Benzo(g,h,i)perylene	ND	5.0	0.80
Benzo(k)fluoranthene	ND	5.0	0.70
Chrysene	ND	5.0	0.61
Dibenz(a,h)anthracene	ND	5.0	0.88
Fluoranthene	ND	5.0	0.45
Fluorene	ND	5.0	0.35
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82
Naphthalene	ND	5.0	0.56
Phenanthrene	ND	5.0	0.34
Pyrene	ND	5.0	0.51

Surrogate: 1,2-Dichlorobenzene-d4	41.70		66.6667	62.6	12 - 125
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## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1140 - MSSEMI\_S (continued)**

**Blank (B2C1140-BLK2) - Continued**

Prepared: 3/14/2022 Analyzed: 3/16/2022

Surrogate: 2-Fluorobiphenyl	48.49		66.6667		72.7	14 - 139
Surrogate: Nitrobenzene-d5	36.09		66.6667		54.1	8 - 155
Surrogate: 4-Terphenyl-d14	92.75		66.6667		139	16 - 152

**Blank (B2C1140-BLK3)**

Prepared: 3/14/2022 Analyzed: 3/18/2022

2-Methylnaphthalene	ND	5.0	0.60
Acenaphthene	ND	5.0	0.41
Acenaphthylene	ND	5.0	0.41
Anthracene	ND	5.0	0.56
Benzo(a)anthracene	ND	5.0	0.56
Benzo(a)pyrene	ND	5.0	0.69
Benzo(b)fluoranthene	ND	5.0	2.2
Benzo(g,h,i)perylene	ND	5.0	0.80
Benzo(k)fluoranthene	ND	5.0	0.70
Chrysene	ND	5.0	0.61
Dibenz(a,h)anthracene	ND	5.0	0.88
Fluoranthene	ND	5.0	0.45
Fluorene	ND	5.0	0.35
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82
Naphthalene	ND	5.0	0.56
Phenanthrene	ND	5.0	0.34
Pyrene	ND	5.0	0.51

Surrogate: 1,2-Dichlorobenzene-d4	33.66		66.6667		50.5	12 - 125
Surrogate: 2-Fluorobiphenyl	38.18		66.6667		57.3	14 - 139
Surrogate: Nitrobenzene-d5	29.20		66.6667		43.8	8 - 155
Surrogate: 4-Terphenyl-d14	64.91		66.6667		97.4	16 - 152

**LCS (B2C1140-BS1)**

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	44.8920	5.0	0.60	66.6667	67.3	39 - 92
Acenaphthene	55.1947	5.0	0.41	66.6667	82.8	35 - 94
Acenaphthylene	59.6920	5.0	0.41	66.6667	89.5	31 - 101
Anthracene	57.8433	5.0	0.56	66.6667	86.8	37 - 95
Benzo(a)anthracene	57.2773	5.0	0.56	66.6667	85.9	43 - 102
Benzo(a)pyrene	54.9067	5.0	0.69	66.6667	82.4	38 - 95
Benzo(b)fluoranthene	47.0427	5.0	2.2	66.6667	70.6	44 - 102
Benzo(g,h,i)perylene	42.6453	5.0	0.80	66.6667	64.0	34 - 114
Benzo(k)fluoranthene	52.5053	5.0	0.70	66.6667	78.8	34 - 110
Chrysene	65.5453	5.0	0.61	66.6667	98.3	46 - 101
Dibenz(a,h)anthracene	35.8667	5.0	0.88	66.6667	53.8	35 - 117
Fluoranthene	61.9153	5.0	0.45	66.6667	92.9	46 - 107
Fluorene	53.5373	5.0	0.35	66.6667	80.3	35 - 98
Indeno(1,2,3-cd)pyrene	39.8080	5.0	0.82	66.6667	59.7	35 - 114
Naphthalene	47.8367	5.0	0.56	66.6667	71.8	39 - 86
Phenanthrene	57.3740	5.0	0.34	66.6667	86.1	43 - 98
Pyrene	63.4473	5.0	0.51	66.6667	95.2	44 - 108



## Certificate of Analysis

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Irvine , CA 92612

Reported : 05/12/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1140 - MSSEMI\_S (continued)**

**LCS (B2C1140-BS1) - Continued**

Prepared: 3/14/2022 Analyzed: 3/16/2022

Surrogate: 1,2-Dichlorobenzene-d4	45.38		66.6667	68.1	12 - 125
Surrogate: 2-Fluorobiphenyl	55.94		66.6667	83.9	14 - 139
Surrogate: Nitrobenzene-d5	46.47		66.6667	69.7	8 - 155
Surrogate: 4-Terphenyl-d14	73.90		66.6667	111	16 - 152

**LCS (B2C1140-BS2)**

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	43.2287	5.0	0.60	66.6667	64.8	39 - 92
Acenaphthene	51.2607	5.0	0.41	66.6667	76.9	35 - 94
Acenaphthylene	56.1880	5.0	0.41	66.6667	84.3	31 - 101
Anthracene	56.8653	5.0	0.56	66.6667	85.3	37 - 95
Benzo(a)anthracene	54.0513	5.0	0.56	66.6667	81.1	43 - 102
Benzo(a)pyrene	55.8160	5.0	0.69	66.6667	83.7	38 - 95
Benzo(b)fluoranthene	50.9693	5.0	2.2	66.6667	76.5	44 - 102
Benzo(g,h,i)perylene	41.7287	5.0	0.80	66.6667	62.6	34 - 114
Benzo(k)fluoranthene	54.7280	5.0	0.70	66.6667	82.1	34 - 110
Chrysene	69.4513	5.0	0.61	66.6667	104	46 - 101
Dibenz(a,h)anthracene	33.3560	5.0	0.88	66.6667	50.0	35 - 117
Fluoranthene	63.2580	5.0	0.45	66.6667	94.9	46 - 107
Fluorene	50.7267	5.0	0.35	66.6667	76.1	35 - 98
Indeno(1,2,3-cd)pyrene	43.4720	5.0	0.82	66.6667	65.2	35 - 114
Naphthalene	45.0880	5.0	0.56	66.6667	67.6	39 - 86
Phenanthrene	56.1073	5.0	0.34	66.6667	84.2	43 - 98
Pyrene	65.0320	5.0	0.51	66.6667	97.5	44 - 108

L3

Surrogate: 1,2-Dichlorobenzene-d4	43.30		66.6667	64.9	12 - 125
Surrogate: 2-Fluorobiphenyl	50.57		66.6667	75.9	14 - 139
Surrogate: Nitrobenzene-d5	46.58		66.6667	69.9	8 - 155
Surrogate: 4-Terphenyl-d14	74.38		66.6667	112	16 - 152

**LCS (B2C1140-BS3)**

Prepared: 3/14/2022 Analyzed: 3/18/2022

2-Methylnaphthalene	41.4840	5.0	0.60	66.6667	62.2	39 - 92
Acenaphthene	45.4480	5.0	0.41	66.6667	68.2	35 - 94
Acenaphthylene	49.2387	5.0	0.41	66.6667	73.9	31 - 101
Anthracene	51.6487	5.0	0.56	66.6667	77.5	37 - 95
Benzo(a)anthracene	58.2773	5.0	0.56	66.6667	87.4	43 - 102
Benzo(a)pyrene	59.7000	5.0	0.69	66.6667	89.5	38 - 95
Benzo(b)fluoranthene	57.5407	5.0	2.2	66.6667	86.3	44 - 102
Benzo(g,h,i)perylene	55.7633	5.0	0.80	66.6667	83.6	34 - 114
Benzo(k)fluoranthene	57.3053	5.0	0.70	66.6667	86.0	34 - 110
Chrysene	57.4133	5.0	0.61	66.6667	86.1	46 - 101
Dibenz(a,h)anthracene	56.3733	5.0	0.88	66.6667	84.6	35 - 117
Fluoranthene	58.9027	5.0	0.45	66.6667	88.4	46 - 107
Fluorene	48.2060	5.0	0.35	66.6667	72.3	35 - 98
Indeno(1,2,3-cd)pyrene	55.4280	5.0	0.82	66.6667	83.1	35 - 114
Naphthalene	41.1920	5.0	0.56	66.6667	61.8	39 - 86
Phenanthrene	52.9633	5.0	0.34	66.6667	79.4	43 - 98
Pyrene	58.2413	5.0	0.51	66.6667	87.4	44 - 108





### Certificate of Analysis

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Reported : 05/12/2022

#### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B2C1140 - MSSEMI\_S (continued)

#### LCS (B2C1140-BS3) - Continued

Prepared: 3/14/2022 Analyzed: 3/18/2022

Surrogate: 1,2-Dichlorobenzene-d4	42.14			66.6667		63.2	12 - 125			
Surrogate: 2-Fluorobiphenyl	47.39			66.6667		71.1	14 - 139			
Surrogate: Nitrobenzene-d5	38.46			66.6667		57.7	8 - 155			
Surrogate: 4-Terphenyl-d14	59.77			66.6667		89.7	16 - 152			

#### Matrix Spike (B2C1140-MS1)

Source: 2200346-04

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	41.4147	5.0	0.60	66.6667	ND	62.1	43 - 120			
Acenaphthene	47.1873	5.0	0.41	66.6667	ND	70.8	52 - 113			
Acenaphthylene	52.6467	5.0	0.41	66.6667	ND	79.0	44 - 126			
Anthracene	52.4327	5.0	0.56	66.6667	ND	78.6	49 - 128			
Benzo(a)anthracene	52.6620	5.0	0.56	66.6667	ND	79.0	32 - 158			
Benzo(a)pyrene	46.5220	5.0	0.69	66.6667	ND	69.8	39 - 137			
Benzo(b)fluoranthene	51.2607	5.0	2.2	66.6667	ND	76.9	52 - 132			
Benzo(g,h,i)perylene	42.0087	5.0	0.80	66.6667	2.10133	59.9	35 - 162			
Benzo(k)fluoranthene	50.8773	5.0	0.70	66.6667	ND	76.3	18 - 153			
Chrysene	62.4660	5.0	0.61	66.6667	0.670000	92.7	25 - 160			
Dibenz(a,h)anthracene	36.9000	5.0	0.88	66.6667	ND	55.4	41 - 155			
Fluoranthene	58.5073	5.0	0.45	66.6667	0.871333	86.5	5 - 185			
Fluorene	48.2780	5.0	0.35	66.6667	ND	72.4	28 - 135			
Indeno(1,2,3-cd)pyrene	39.7433	5.0	0.82	66.6667	ND	59.6	36 - 162			
Naphthalene	43.1800	5.0	0.56	66.6667	ND	64.8	41 - 113			
Phenanthrene	54.4067	5.0	0.34	66.6667	0.726667	80.5	35 - 143			
Pyrene	58.6773	5.0	0.51	66.6667	1.04067	86.5	10 - 184			

Surrogate: 1,2-Dichlorobenzene-d4	41.13			66.6667		61.7	12 - 125			
Surrogate: 2-Fluorobiphenyl	47.83			66.6667		71.7	14 - 139			
Surrogate: Nitrobenzene-d5	42.93			66.6667		64.4	8 - 155			
Surrogate: 4-Terphenyl-d14	65.92			66.6667		98.9	16 - 152			

#### Matrix Spike Dup (B2C1140-MSD1)

Source: 2200346-04

Prepared: 3/14/2022 Analyzed: 3/16/2022

2-Methylnaphthalene	38.2773	5.0	0.60	66.6667	ND	57.4	43 - 120	7.87	20	
Acenaphthene	47.2427	5.0	0.41	66.6667	ND	70.9	52 - 113	0.117	20	
Acenaphthylene	51.5467	5.0	0.41	66.6667	ND	77.3	44 - 126	2.11	20	
Anthracene	47.4000	5.0	0.56	66.6667	ND	71.1	49 - 128	10.1	20	
Benzo(a)anthracene	45.1640	5.0	0.56	66.6667	ND	67.7	32 - 158	15.3	20	
Benzo(a)pyrene	39.9353	5.0	0.69	66.6667	ND	59.9	39 - 137	15.2	20	
Benzo(b)fluoranthene	48.1033	5.0	2.2	66.6667	ND	72.2	52 - 132	6.36	20	
Benzo(g,h,i)perylene	38.7213	5.0	0.80	66.6667	2.10133	54.9	35 - 162	8.14	20	
Benzo(k)fluoranthene	46.1927	5.0	0.70	66.6667	ND	69.3	18 - 153	9.65	20	
Chrysene	58.4120	5.0	0.61	66.6667	0.670000	86.6	25 - 160	6.71	20	
Dibenz(a,h)anthracene	32.9820	5.0	0.88	66.6667	ND	49.5	41 - 155	11.2	20	
Fluoranthene	51.7707	5.0	0.45	66.6667	0.871333	76.3	5 - 185	12.2	20	
Fluorene	44.9187	5.0	0.35	66.6667	ND	67.4	28 - 135	7.21	20	
Indeno(1,2,3-cd)pyrene	35.3380	5.0	0.82	66.6667	ND	53.0	36 - 162	11.7	20	
Naphthalene	40.5100	5.0	0.56	66.6667	ND	60.8	41 - 113	6.38	20	
Phenanthrene	50.2167	5.0	0.34	66.6667	0.726667	74.2	35 - 143	8.01	20	



## Certificate of Analysis

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### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1140 - MSSEMI\_S (continued)**

**Matrix Spike Dup (B2C1140-MSD1) - Continued**

Source: 2200346-04

Prepared: 3/14/2022 Analyzed: 3/16/2022

Pyrene	52.5253	5.0	0.51	66.6667	1.04067	77.2	10 - 184	11.1	20	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>39.87</i>			<i>66.6667</i>		<i>59.8</i>	<i>12 - 125</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>47.13</i>			<i>66.6667</i>		<i>70.7</i>	<i>14 - 139</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>40.11</i>			<i>66.6667</i>		<i>60.2</i>	<i>8 - 155</i>			
<i>Surrogate: 4-Terphenyl-d14</i>	<i>59.72</i>			<i>66.6667</i>		<i>89.6</i>	<i>16 - 152</i>			



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### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1202 - GCVOA_S</b>										
<b>Blank (B2C1202-BLK1)</b>						Prepared: 3/16/2022 Analyzed: 3/16/2022				
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	0.6674			0.800000		83.4	47.6 - 121.18			
<b>LCS (B2C1202-BS1)</b>						Prepared: 3/16/2022 Analyzed: 3/16/2022				
Gasoline Range Organics	5.44600	1.0	0.13	5.00000		109	68.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7036			0.800000		87.9	47.6 - 121.18			
<b>LCS Dup (B2C1202-BSD1)</b>						Prepared: 3/16/2022 Analyzed: 3/16/2022				
Gasoline Range Organics	5.26100	1.0	0.13	5.00000		105	68.69 - 124.04	3.46	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.6656			0.800000		83.2	47.6 - 121.18			
<b>Matrix Spike (B2C1202-MS1)</b>						Prepared: 3/16/2022 Analyzed: 3/16/2022				
<b>Source: 2200378-01</b>										
Gasoline Range Organics	4.94900	1.0	0.13	5.00000	ND	99.0	37.92 - 128.32			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.8178			0.800000		102	47.6 - 121.18			
<b>Matrix Spike Dup (B2C1202-MSD1)</b>						Prepared: 3/16/2022 Analyzed: 3/16/2022				
<b>Source: 2200378-01</b>										
Gasoline Range Organics	4.71300	1.0	0.13	5.00000	ND	94.3	37.92 - 128.32	4.89	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7876			0.800000		98.4	47.6 - 121.18			



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1100 - EPA 3050B\_S**

**Blank (B2C1100-BLK1)**

Prepared: 3/11/2022 Analyzed: 3/15/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

**LCS (B2C1100-BS1)**

Prepared: 3/11/2022 Analyzed: 3/15/2022

Antimony	20.4625	2.0	0.51	25.0000	81.8	80 - 120
Arsenic	20.5624	1.0	0.12	25.0000	82.2	80 - 120
Barium	20.0775	1.0	0.12	25.0000	80.3	80 - 120
Beryllium	21.1222	1.0	0.03	25.0100	84.5	80 - 120
Cadmium	21.2334	1.0	0.14	25.0000	84.9	80 - 120
Chromium	20.6337	1.0	0.26	25.0000	82.5	80 - 120
Cobalt	21.1851	1.0	0.07	25.0000	84.7	80 - 120
Copper	21.3843	2.0	0.19	25.0000	85.5	80 - 120
Lead	21.5320	1.0	0.18	25.0000	86.1	80 - 120
Molybdenum	21.6946	1.0	0.12	25.0000	86.8	80 - 120
Nickel	22.5332	1.0	0.18	25.0000	90.1	80 - 120
Selenium	21.1862	1.0	0.40	25.0000	84.7	80 - 120
Silver	10.6512	1.0	0.12	12.5000	85.2	80 - 120
Thallium	20.4427	1.0	0.38	25.0000	81.8	80 - 120
Vanadium	20.0329	1.0	0.06	25.0000	80.1	80 - 120
Zinc	22.6352	1.0	0.15	25.0000	90.5	80 - 120

**Matrix Spike (B2C1100-MS1)**

**Source: 2200322-04**

Prepared: 3/11/2022 Analyzed: 3/15/2022

Antimony	8.79078	2.0	0.51	25.0000	ND	35.2	0 - 102	
Arsenic	16.8502	1.0	0.12	25.0000	2.37214	57.9	55 - 117	
Barium	57.8280	1.0	0.12	25.0000	54.0302	15.2	11 - 177	
Beryllium	14.9244	1.0	0.03	25.0100	0.813648	56.4	64 - 115	M2
Cadmium	16.8756	1.0	0.14	25.0000	0.191288	66.7	62 - 116	
Chromium	22.1094	1.0	0.26	25.0000	7.49699	58.4	42 - 145	
Cobalt	17.7685	1.0	0.07	25.0000	2.99648	59.1	60 - 126	M2
Copper	23.2764	2.0	0.19	25.0000	6.91826	65.4	37 - 163	
Lead	18.1189	1.0	0.18	25.0000	2.56672	62.2	26 - 161	



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 Reported : 05/12/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1100 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1100-MS1) - Continued**

**Source: 2200322-04**

Prepared: 3/11/2022 Analyzed: 3/15/2022

Molybdenum	14.8154	1.0	0.12	25.0000	0.144314	58.7	31 - 122			
Nickel	18.7633	1.0	0.18	25.0000	4.40961	57.4	52 - 130			
Selenium	15.8247	1.0	0.40	25.0000	ND	63.3	25 - 129			
Silver	8.85761	1.0	0.12	12.5000	1.19312	61.3	48 - 133			
Thallium	14.1448	1.0	0.38	25.0000	ND	56.6	25 - 119			
Vanadium	27.6038	1.0	0.06	25.0000	11.2511	65.4	51 - 141			
Zinc	37.3704	1.0	0.15	25.0000	24.7746	50.4	8 - 170			

**Matrix Spike Dup (B2C1100-MSD1)**

**Source: 2200322-04**

Prepared: 3/11/2022 Analyzed: 3/15/2022

Antimony	8.64612	2.0	0.51	25.0000	ND	34.6	0 - 102	1.66	20	
Arsenic	16.5945	1.0	0.12	25.0000	2.37214	56.9	55 - 117	1.53	20	
Barium	57.0066	1.0	0.12	25.0000	54.0302	11.9	11 - 177	1.43	20	
Beryllium	14.8211	1.0	0.03	25.0100	0.813648	56.0	64 - 115	0.694	20	M2
Cadmium	16.7689	1.0	0.14	25.0000	0.191288	66.3	62 - 116	0.635	20	
Chromium	21.7150	1.0	0.26	25.0000	7.49699	56.9	42 - 145	1.80	20	
Cobalt	17.6860	1.0	0.07	25.0000	2.99648	58.8	60 - 126	0.466	20	M2
Copper	22.3663	2.0	0.19	25.0000	6.91826	61.8	37 - 163	3.99	20	
Lead	17.7213	1.0	0.18	25.0000	2.56672	60.6	26 - 161	2.22	20	
Molybdenum	14.8492	1.0	0.12	25.0000	0.144314	58.8	31 - 122	0.228	20	
Nickel	19.0605	1.0	0.18	25.0000	4.40961	58.6	52 - 130	1.57	20	
Selenium	15.2321	1.0	0.40	25.0000	ND	60.9	25 - 129	3.82	20	
Silver	8.74696	1.0	0.12	12.5000	1.19312	60.4	48 - 133	1.26	20	
Thallium	14.0381	1.0	0.38	25.0000	ND	56.2	25 - 119	0.757	20	
Vanadium	27.1307	1.0	0.06	25.0000	11.2511	63.5	51 - 141	1.73	20	
Zinc	36.6038	1.0	0.15	25.0000	24.7746	47.3	8 - 170	2.07	20	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1102 - EPA 3050B\_S**

**Blank (B2C1102-BLK1)**

Prepared: 3/11/2022 Analyzed: 3/14/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

**LCS (B2C1102-BS1)**

Prepared: 3/11/2022 Analyzed: 3/14/2022

Antimony	23.6558	2.0	0.51	25.0000	94.6	80 - 120
Arsenic	23.9307	1.0	0.12	25.0000	95.7	80 - 120
Barium	22.8064	1.0	0.12	25.0000	91.2	80 - 120
Beryllium	24.4047	1.0	0.03	25.0100	97.6	80 - 120
Cadmium	24.6519	1.0	0.14	25.0000	98.6	80 - 120
Chromium	23.7661	1.0	0.26	25.0000	95.1	80 - 120
Cobalt	24.8590	1.0	0.07	25.0000	99.4	80 - 120
Copper	24.4353	2.0	0.19	25.0000	97.7	80 - 120
Lead	24.4526	1.0	0.18	25.0000	97.8	80 - 120
Molybdenum	24.8796	1.0	0.12	25.0000	99.5	80 - 120
Nickel	25.1506	1.0	0.18	25.0000	101	80 - 120
Selenium	24.6851	1.0	0.40	25.0000	98.7	80 - 120
Silver	12.0081	1.0	0.12	12.5000	96.1	80 - 120
Thallium	24.0665	1.0	0.38	25.0000	96.3	80 - 120
Vanadium	23.2444	1.0	0.06	25.0000	93.0	80 - 120
Zinc	25.1080	1.0	0.15	25.0000	100	80 - 120

**Matrix Spike (B2C1102-MS1)**

**Source: 2200328-21**

Prepared: 3/11/2022 Analyzed: 3/14/2022

Antimony	9.21143	2.0	0.51	25.0000	1.41540	31.2	0 - 102
Arsenic	23.5456	1.0	0.12	25.0000	4.65197	75.6	55 - 117
Barium	107.508	1.0	0.12	25.0000	101.221	25.1	11 - 177
Beryllium	19.5037	1.0	0.03	25.0100	2.25292	69.0	64 - 115
Cadmium	22.4060	1.0	0.14	25.0000	0.506388	87.6	62 - 116
Chromium	61.4534	1.0	0.26	25.0000	46.6188	59.3	42 - 145
Cobalt	24.0326	1.0	0.07	25.0000	8.09388	63.8	60 - 126
Copper	49.3308	2.0	0.19	25.0000	27.0336	89.2	37 - 163
Lead	25.7032	1.0	0.18	25.0000	6.03336	78.7	26 - 161



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1102 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1102-MS1) - Continued**

**Source: 2200328-21**

Prepared: 3/11/2022 Analyzed: 3/14/2022

Molybdenum	19.4970	1.0	0.12	25.0000	0.714266	75.1	31 - 122			
Nickel	42.5830	1.0	0.18	25.0000	28.0890	58.0	52 - 130			
Selenium	21.1675	1.0	0.40	25.0000	ND	84.7	25 - 129			
Silver	13.2822	1.0	0.12	12.5000	4.32922	71.6	48 - 133			
Thallium	18.5411	1.0	0.38	25.0000	ND	74.2	25 - 119			
Vanadium	58.0860	1.0	0.06	25.0000	43.3731	58.9	51 - 141			
Zinc	69.5846	1.0	0.15	25.0000	55.7168	55.5	8 - 170			

**Matrix Spike Dup (B2C1102-MSD1)**

**Source: 2200328-21**

Prepared: 3/11/2022 Analyzed: 3/14/2022

Antimony	9.40524	2.0	0.51	25.0000	1.41540	32.0	0 - 102	2.08	20	
Arsenic	23.4952	1.0	0.12	25.0000	4.65197	75.4	55 - 117	0.214	20	
Barium	108.684	1.0	0.12	25.0000	101.221	29.9	11 - 177	1.09	20	
Beryllium	19.7832	1.0	0.03	25.0100	2.25292	70.1	64 - 115	1.42	20	
Cadmium	22.2099	1.0	0.14	25.0000	0.506388	86.8	62 - 116	0.879	20	
Chromium	62.3706	1.0	0.26	25.0000	46.6188	63.0	42 - 145	1.48	20	
Cobalt	23.7451	1.0	0.07	25.0000	8.09388	62.6	60 - 126	1.20	20	
Copper	46.6818	2.0	0.19	25.0000	27.0336	78.6	37 - 163	5.52	20	
Lead	25.8474	1.0	0.18	25.0000	6.03336	79.3	26 - 161	0.560	20	
Molybdenum	19.6938	1.0	0.12	25.0000	0.714266	75.9	31 - 122	1.00	20	
Nickel	42.0376	1.0	0.18	25.0000	28.0890	55.8	52 - 130	1.29	20	
Selenium	20.0188	1.0	0.40	25.0000	ND	80.1	25 - 129	5.58	20	
Silver	13.4008	1.0	0.12	12.5000	4.32922	72.6	48 - 133	0.889	20	
Thallium	18.5726	1.0	0.38	25.0000	ND	74.3	25 - 119	0.170	20	
Vanadium	59.1702	1.0	0.06	25.0000	43.3731	63.2	51 - 141	1.85	20	
Zinc	68.5878	1.0	0.15	25.0000	55.7168	51.5	8 - 170	1.44	20	



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### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1180 - EPA 7471_S</b>										
<b>Blank (B2C1180-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 3/15/2022 Analyzed: 3/16/2022
<b>LCS (B2C1180-BS1)</b>										
Mercury	0.464104	0.10	0.01	0.416667		111	80 - 120			Prepared: 3/15/2022 Analyzed: 3/16/2022
<b>Matrix Spike (B2C1180-MS1)</b>										
										<b>Source: 2200346-01</b> Prepared: 3/15/2022 Analyzed: 3/16/2022
Mercury	0.404495	0.10	0.01	0.416667	0.018560	92.6	70 - 130			
<b>Matrix Spike Dup (B2C1180-MSD1)</b>										
										<b>Source: 2200346-01</b> Prepared: 3/15/2022 Analyzed: 3/16/2022
Mercury	0.412183	0.10	0.01	0.416667	0.018560	94.5	70 - 130	1.88	20	





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GSI Environmental, Inc.

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Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C1180 - EPA 7471\_S

Post Spike (B2C1180-PS1)

Source: 2200346-01

Prepared: 3/15/2022 Analyzed: 3/16/2022

Mercury	0.004975		5.00000E-3	0.000223	95.0	85 - 115			
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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes	
<b>Batch B2C1116 - GCSEMI_DRO_S</b>											
<b>Blank (B2C1116-BLK1)</b>					Prepared: 3/12/2022 Analyzed: 3/14/2022						
C13-C23	ND	10	3.6								
C23-C32	ND	10	3.6								
<hr/>											
<i>Surrogate: p-Terphenyl</i>	78.12			80.0000		97.7	62 - 141				
<b>LCS (B2C1116-BS1)</b>					Prepared: 3/12/2022 Analyzed: 3/14/2022						
DRO	999.876	10	3.6	1000.00		100	56 - 139				
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<i>Surrogate: p-Terphenyl</i>	82.49			80.0000		103	62 - 141				
<b>Duplicate (B2C1116-DUP1)</b>					<b>Source: 2200339-01</b>			Prepared: 3/12/2022 Analyzed: 3/14/2022			
DRO	44.2950	50	18		45.4600			2.60	20		
<hr/>											
<i>Surrogate: p-Terphenyl</i>	78.51			80.0000		98.1	62 - 141				
<b>Matrix Spike (B2C1116-MS1)</b>					<b>Source: 2200346-02</b>			Prepared: 3/12/2022 Analyzed: 3/14/2022			
DRO	923.483	10	3.6	1000.00	7.04700	91.6	38 - 161				
<hr/>											
<i>Surrogate: p-Terphenyl</i>	95.88			80.0000		120	62 - 141				
<b>Matrix Spike Dup (B2C1116-MSD1)</b>					<b>Source: 2200346-02</b>			Prepared: 3/12/2022 Analyzed: 3/14/2022			
DRO	878.587	10	3.6	1000.00	7.04700	87.2	38 - 161	4.98	20		
<hr/>											
<i>Surrogate: p-Terphenyl</i>	100.3			80.0000		125	62 - 141				



## Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
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Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	Limit	Notes
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**Batch B2C1158 - MSVOA\_S**

**Blank (B2C1158-BLK1)**

Prepared: 3/15/2022 Analyzed: 3/15/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1158 - MSVOA\_S (continued)**

**Blank (B2C1158-BLK1) - Continued**

Prepared: 3/15/2022 Analyzed: 3/15/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

Surrogate: 1,2-Dichloroethane-d4	79.94		50.0000	160	66 - 200
Surrogate: 4-Bromofluorobenzene	51.58		50.0000	103	50 - 146
Surrogate: Dibromofluoromethane	57.33		50.0000	115	77 - 159
Surrogate: Toluene-d8	55.39		50.0000	111	81 - 128

**LCS (B2C1158-BS1)**

Prepared: 3/15/2022 Analyzed: 3/15/2022

1,1,1,2-Tetrachloroethane	46.6000	5.0	0.52	50.0000	93.2	84 - 123	
1,1,1-Trichloroethane	67.4100	5.0	0.26	50.0000	135	78 - 133	L5
1,1,2,2-Tetrachloroethane	41.5800	5.0	0.21	50.0000	83.2	63 - 127	
1,1,2-Trichloroethane	46.3000	5.0	0.40	50.0000	92.6	80 - 125	
1,1-Dichloroethane	53.2300	5.0	1.4	50.0000	106	77 - 128	
1,1-Dichloroethene	48.5100	5.0	1.9	50.0000	97.0	69 - 138	
1,1-Dichloropropene	47.8100	5.0	0.54	50.0000	95.6	80 - 133	
1,2,3-Trichloropropane	42.8600	5.0	0.40	50.0000	85.7	74 - 123	
1,2,3-Trichlorobenzene	46.4000	5.0	0.83	50.0000	92.8	79 - 133	
1,2,4-Trichlorobenzene	47.8500	5.0	0.80	50.0000	95.7	73 - 131	
1,2,4-Trimethylbenzene	47.3000	5.0	0.91	50.0000	94.6	86 - 137	
1,2-Dibromo-3-chloropropane	53.1700	10	1.1	50.0000	106	62 - 127	
1,2-Dibromoethane	45.4600	5.0	0.40	50.0000	90.9	83 - 126	
1,2-Dichlorobenzene	43.9500	5.0	0.21	50.0000	87.9	83 - 123	
1,2-Dichloroethane	64.8900	5.0	0.50	50.0000	130	76 - 128	L3



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1158 - MSVOA\_S (continued)**

**LCS (B2C1158-BS1) - Continued**

Prepared: 3/15/2022 Analyzed: 3/15/2022

1,2-Dichloropropane	44.5600	5.0	0.46	50.0000		89.1	77 - 121			
1,3,5-Trimethylbenzene	46.6800	5.0	0.70	50.0000		93.4	84 - 135			
1,3-Dichlorobenzene	42.1100	5.0	0.36	50.0000		84.2	81 - 126			
1,3-Dichloropropane	44.9900	5.0	0.49	50.0000		90.0	80 - 118			
1,4-Dichlorobenzene	43.9000	5.0	0.27	50.0000		87.8	80 - 124			
2,2-Dichloropropane	61.6100	5.0	0.28	50.0000		123	72 - 135			
2-Chlorotoluene	48.8800	5.0	0.53	50.0000		97.8	81 - 127			
4-Chlorotoluene	51.5000	5.0	0.40	50.0000		103	83 - 127			
4-Isopropyltoluene	48.3800	5.0	0.81	50.0000		96.8	82 - 143			
Benzene	50.4600	5.0	0.36	50.0000		101	84 - 123			
Bromobenzene	44.4700	5.0	0.62	50.0000		88.9	80 - 122			
Bromochloromethane	49.7100	5.0	0.30	50.0000		99.4	83 - 127			
Bromodichloromethane	56.9100	5.0	0.52	50.0000		114	82 - 123			
Bromoform	50.5800	5.0	1.4	50.0000		101	80 - 132			
Bromomethane	60.0100	5.0	2.5	50.0000		120	67 - 176			
Carbon disulfide	43.4300	5.0	0.94	50.0000		86.9	75 - 138			
Carbon tetrachloride	65.4400	5.0	0.73	50.0000		131	76 - 131			
Chlorobenzene	45.1900	5.0	0.42	50.0000		90.4	84 - 119			
Chloroethane	51.4400	5.0	1.5	50.0000		103	56 - 170			
Chloroform	56.8100	5.0	0.24	50.0000		114	78 - 129			
Chloromethane	40.6500	5.0	1.1	50.0000		81.3	63 - 141			
cis-1,2-Dichloroethene	70.2400	5.0	0.20	50.0000		140	83 - 125			L5
cis-1,3-Dichloropropene	46.7300	5.0	0.39	50.0000		93.5	76 - 129			
Di-isopropyl ether	45.4100	5.0	1.9	50.0000		90.8	73 - 132			
Dibromochloromethane	50.4800	5.0	0.81	50.0000		101	81 - 120			
Dibromomethane	51.4500	5.0	0.23	50.0000		103	79 - 124			
Dichlorodifluoromethane	53.5400	5.0	0.14	50.0000		107	18 - 199			
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138			MO
Ethyl Ether	545.160	50	17	500.000		109	74 - 128			
Ethyl tert-butyl ether	44.5500	5.0	0.85	50.0000		89.1	50 - 175			
Ethylbenzene	51.0200	5.0	0.43	50.0000		102	86 - 130			
Freon-113	51.3100	5.0	1.3	50.0000		103	66 - 132			
Hexachlorobutadiene	57.5000	5.0	0.40	50.0000		115	64 - 135			
Isopropylbenzene	47.4400	5.0	0.79	50.0000		94.9	80 - 133			
m,p-Xylene	103.010	10	0.98	100.000		103	89 - 133			
Methylene chloride	46.1200	5.0	2.2	50.0000		92.2	72 - 143			
MTBE	47.2700	5.0	0.81	50.0000		94.5	73 - 136			
n-Butylbenzene	49.5800	5.0	1.2	50.0000		99.2	76 - 144			
n-Propylbenzene	47.6900	5.0	0.78	50.0000		95.4	81 - 136			
Naphthalene	37.2600	5.0	1.1	50.0000		74.5	64 - 128			
o-Xylene	51.3300	5.0	0.67	50.0000		103	82 - 134			
sec-Butylbenzene	46.4100	5.0	0.63	50.0000		92.8	81 - 138			
Styrene	43.9200	5.0	0.45	50.0000		87.8	79 - 152			
tert-Amyl methyl ether	40.1900	5.0	1.1	50.0000		80.4	48 - 166			
tert-Butanol	219.290	100	11	250.000		87.7	48 - 148			



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1158 - MSVOA_S (continued)</b>										
<b>LCS (B2C1158-BS1) - Continued</b>					Prepared: 3/15/2022 Analyzed: 3/15/2022					
tert-Butylbenzene	46.9800	5.0	0.80	50.0000		94.0	81 - 135			
Tetrachloroethene	48.0500	5.0	0.31	50.0000		96.1	75 - 127			
Toluene	51.6200	5.0	0.27	50.0000		103	88 - 130			
trans-1,2-Dichloroethene	39.5400	5.0	0.56	50.0000		79.1	79 - 127			
trans-1,3-Dichloropropene	50.2000	5.0	0.59	50.0000		100	80 - 130			
Trichloroethene	49.4300	5.0	0.32	50.0000		98.9	83 - 126			
Trichlorofluoromethane	71.7100	5.0	1.0	50.0000		143	62 - 143			L4
Vinyl acetate	100.280	50	6.0	500.000		20.1	69 - 150			MO
Vinyl chloride	48.4900	5.0	0.92	50.0000		97.0	69 - 140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>72.74</i>			<i>50.0000</i>		<i>145</i>	<i>66 - 200</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>54.78</i>			<i>50.0000</i>		<i>110</i>	<i>50 - 146</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>58.18</i>			<i>50.0000</i>		<i>116</i>	<i>77 - 159</i>			
<i>Surrogate: Toluene-d8</i>	<i>57.10</i>			<i>50.0000</i>		<i>114</i>	<i>81 - 128</i>			
<b>LCS Dup (B2C1158-BSD1)</b>					Prepared: 3/15/2022 Analyzed: 3/15/2022					
1,1,1,2-Tetrachloroethane	49.8600	5.0	0.52	50.0000		99.7	84 - 123	6.76	20	
1,1,1-Trichloroethane	69.2500	5.0	0.26	50.0000		138	78 - 133	2.69	20	L4
1,1,2,2-Tetrachloroethane	45.0500	5.0	0.21	50.0000		90.1	63 - 127	8.01	20	
1,1,2-Trichloroethane	47.2600	5.0	0.40	50.0000		94.5	80 - 125	2.05	20	
1,1-Dichloroethane	53.2600	5.0	1.4	50.0000		107	77 - 128	0.0563	20	
1,1-Dichloroethene	50.3000	5.0	1.9	50.0000		101	69 - 138	3.62	20	
1,1-Dichloropropene	49.3300	5.0	0.54	50.0000		98.7	80 - 133	3.13	20	
1,2,3-Trichloropropane	47.7200	5.0	0.40	50.0000		95.4	74 - 123	10.7	20	
1,2,3-Trichlorobenzene	47.8800	5.0	0.83	50.0000		95.8	79 - 133	3.14	20	
1,2,4-Trichlorobenzene	48.8000	5.0	0.80	50.0000		97.6	73 - 131	1.97	20	
1,2,4-Trimethylbenzene	48.9400	5.0	0.91	50.0000		97.9	86 - 137	3.41	20	
1,2-Dibromo-3-chloropropane	61.1800	10	1.1	50.0000		122	62 - 127	14.0	20	
1,2-Dibromoethane	47.5400	5.0	0.40	50.0000		95.1	83 - 126	4.47	20	
1,2-Dichlorobenzene	45.2900	5.0	0.21	50.0000		90.6	83 - 123	3.00	20	
1,2-Dichloroethane	67.7700	5.0	0.50	50.0000		136	76 - 128	4.34	20	L4
1,2-Dichloropropane	47.3700	5.0	0.46	50.0000		94.7	77 - 121	6.11	20	
1,3,5-Trimethylbenzene	48.3900	5.0	0.70	50.0000		96.8	84 - 135	3.60	20	
1,3-Dichlorobenzene	44.3700	5.0	0.36	50.0000		88.7	81 - 126	5.23	20	
1,3-Dichloropropane	48.2400	5.0	0.49	50.0000		96.5	80 - 118	6.97	20	
1,4-Dichlorobenzene	44.6600	5.0	0.27	50.0000		89.3	80 - 124	1.72	20	
2,2-Dichloropropane	61.8300	5.0	0.28	50.0000		124	72 - 135	0.356	20	
2-Chlorotoluene	52.8500	5.0	0.53	50.0000		106	81 - 127	7.80	20	
4-Chlorotoluene	53.2400	5.0	0.40	50.0000		106	83 - 127	3.32	20	
4-Isopropyltoluene	47.1100	5.0	0.81	50.0000		94.2	82 - 143	2.66	20	
Benzene	50.8300	5.0	0.36	50.0000		102	84 - 123	0.731	20	
Bromobenzene	46.3100	5.0	0.62	50.0000		92.6	80 - 122	4.05	20	
Bromochloromethane	51.4500	5.0	0.30	50.0000		103	83 - 127	3.44	20	
Bromodichloromethane	59.9100	5.0	0.52	50.0000		120	82 - 123	5.14	20	
Bromoform	55.8300	5.0	1.4	50.0000		112	80 - 132	9.87	20	
Bromomethane	59.5900	5.0	2.5	50.0000		119	67 - 176	0.702	20	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1158 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C1158-BSD1) - Continued</b>					Prepared: 3/15/2022 Analyzed: 3/15/2022					
Carbon disulfide	45.2800	5.0	0.94	50.0000		90.6	75 - 138	4.17	20	
Carbon tetrachloride	65.1900	5.0	0.73	50.0000		130	76 - 131	0.383	20	
Chlorobenzene	46.5000	5.0	0.42	50.0000		93.0	84 - 119	2.86	20	
Chloroethane	54.6400	5.0	1.5	50.0000		109	56 - 170	6.03	20	
Chloroform	59.0900	5.0	0.24	50.0000		118	78 - 129	3.93	20	
Chloromethane	43.6200	5.0	1.1	50.0000		87.2	63 - 141	7.05	20	
cis-1,2-Dichloroethene	72.6400	5.0	0.20	50.0000		145	83 - 125	3.36	20	L5
cis-1,3-Dichloropropene	49.1900	5.0	0.39	50.0000		98.4	76 - 129	5.13	20	
Di-isopropyl ether	46.5200	5.0	1.9	50.0000		93.0	73 - 132	2.41	20	
Dibromochloromethane	53.4700	5.0	0.81	50.0000		107	81 - 120	5.75	20	
Dibromomethane	53.7100	5.0	0.23	50.0000		107	79 - 124	4.30	20	
Dichlorodifluoromethane	52.6500	5.0	0.14	50.0000		105	18 - 199	1.68	20	
Ethyl Acetate	24.4200	50	7.0	500.000		4.88	76 - 138	NR	20	MO
Ethyl Ether	582.230	50	17	500.000		116	74 - 128	6.58	20	
Ethyl tert-butyl ether	51.2700	5.0	0.85	50.0000		103	50 - 175	14.0	20	
Ethylbenzene	53.4000	5.0	0.43	50.0000		107	86 - 130	4.56	20	
Freon-113	49.7700	5.0	1.3	50.0000		99.5	66 - 132	3.05	20	
Hexachlorobutadiene	54.3600	5.0	0.40	50.0000		109	64 - 135	5.61	20	
Isopropylbenzene	48.7700	5.0	0.79	50.0000		97.5	80 - 133	2.76	20	
m,p-Xylene	104.700	10	0.98	100.000		105	89 - 133	1.63	20	
Methylene chloride	47.6600	5.0	2.2	50.0000		95.3	72 - 143	3.28	20	
MTBE	52.5500	5.0	0.81	50.0000		105	73 - 136	10.6	20	
n-Butylbenzene	50.5600	5.0	1.2	50.0000		101	76 - 144	1.96	20	
n-Propylbenzene	49.3000	5.0	0.78	50.0000		98.6	81 - 136	3.32	20	
Naphthalene	41.3900	5.0	1.1	50.0000		82.8	64 - 128	10.5	20	
o-Xylene	54.5000	5.0	0.67	50.0000		109	82 - 134	5.99	20	
sec-Butylbenzene	47.3200	5.0	0.63	50.0000		94.6	81 - 138	1.94	20	
Styrene	46.3900	5.0	0.45	50.0000		92.8	79 - 152	5.47	20	
tert-Amyl methyl ether	48.1700	5.0	1.1	50.0000		96.3	48 - 166	18.1	20	
tert-Butanol	236.510	100	11	250.000		94.6	48 - 148	7.56	20	
tert-Butylbenzene	47.8000	5.0	0.80	50.0000		95.6	81 - 135	1.73	20	
Tetrachloroethene	50.4700	5.0	0.31	50.0000		101	75 - 127	4.91	20	
Toluene	53.3300	5.0	0.27	50.0000		107	88 - 130	3.26	20	
trans-1,2-Dichloroethene	42.0900	5.0	0.56	50.0000		84.2	79 - 127	6.25	20	
trans-1,3-Dichloropropene	53.9600	5.0	0.59	50.0000		108	80 - 130	7.22	20	
Trichloroethene	49.4900	5.0	0.32	50.0000		99.0	83 - 126	0.121	20	
Trichlorofluoromethane	71.5100	5.0	1.0	50.0000		143	62 - 143	0.279	20	L4
Vinyl acetate	105.930	50	6.0	500.000		21.2	69 - 150	5.48	20	MO
Vinyl chloride	50.1500	5.0	0.92	50.0000		100	69 - 140	3.37	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	75.55			50.0000		151	66 - 200			
<i>Surrogate: 4-Bromofluorobenzene</i>	58.10			50.0000		116	50 - 146			
<i>Surrogate: Dibromofluoromethane</i>	58.24			50.0000		116	77 - 159			
<i>Surrogate: Toluene-d8</i>	57.26			50.0000		115	81 - 128			

2200346

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	PROJECT NAME: Ontario Airport	PROJECT NO.: 5925
TEL: (949) 679-1070	PROJECT CONTACT: Vinnie Robino / Josh Voss	LAB CONTACT: Victoria Michel
E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com	GLOBAL ID:	SAMPLER(S): (PRINT) Tiam Nbin / Josh Voss

**LABORATORY: Advanced Technology Laboratories**

TURNAROUND TIME:  SAME DAY  24 HR  48 HR  STANDARD  
 72 HR  5 DAYS

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

LAB USE ONLY	SAMPLE ID	SAMPLING TIME		MATRIX	NO. OF CONT.	PRESERVATION			T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051
		DATE	TIME			Unpreserved	Preserved	Field Filtered									
1	68-22-5hed-1-2-1	3/10/22	0822	Soil	1	1			X								
2	68-22-5hed-1-2-5.5		0830		5	1	4		X	X							
3	61W-37-1-1		0935		1	1			X								
4	61W-37-1-5.5		1000		5	1	4		X	X				X			
5	61W-37-2-1		1035		1	1			X								
6	61W-37-2-5.5		1044		5	1	4		X	X				X			
7	61W-38-1-1		1115		1	1			X								
8	61W-38-1-5.5		1130		5	1	4		X	X				X			
9	61W-38-2-1		1154		1	1			X								
10	61W-38-2-5.5		1205		5	1	4		X	X				X			
11	61W-39-1-1		1300		1	1			X								
12	61W-39-1-5.5		1305		5	1	4		X	X				X			
13	61W-39-2-1		1325		1	1			X								
14	61W-39-2-5.5		1336		5	1	4		X	X				X			
15	61W-39-3-1		1405		1	1			X								

REQUESTED ANALYSES  
Please check box or fill in blank as needed.

Received by: (Signature) *[Signature]* Date: 3/10/22 Time: 1540  
 Received by: (Signature) *[Signature]* Date: 3/10/22 Time: 1742  
 Received by: (Signature) *[Signature]* Date: 3/10/22 Time: 1742



2200346

FROM:	GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		PROJECT NAME:	Ontario Airport	PROJECT NO.:	5925
TEL:	(949) 679-1070	E-MAIL:	vprobino@gsi-net.com / jcvoss@gsi-net.com	LAB CONTACT:	Victoria Michel	
LABORATORY:	Advanced Technology Laboratories		GLOBAL ID:	SAMPLER(S): (PRINT) Tiam Novin / Josh Voss		

LAB USE ONLY	SAMPLE ID	SAMPLING TIME		MATRIX	NO. OF CONT.	ANALYSIS		
		DATE	TIME			Unpreserved	Preserved	Field Filtered
16	61w-39-3-5.5	3/10/22	1413	soil	5			
17	TB-20220310	3/10/22	1418	water	4			

**REQUESTED ANALYSES**  
Please check box or fill in blank as needed.

T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051
	X	X	X		X			
								HOLD

Relinquished by: (Signature)	<i>[Signature]</i>	Received by: (Signature)	<i>[Signature]</i>	Date: <u>3/10/22</u>	Time: <u>1540</u>
Relinquished by: (Signature)		Received by: (Signature)	<i>[Signature]</i>	Date: <u>3/10/22</u>	Time: <u>1743</u>
Relinquished by: (Signature)		Received by: (Signature)	<i>[Signature]</i>	Date: _____	Time: _____



March 21, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200353  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 11, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Christine Caballero".

Christine Caballero, Client Relations Manager  
[Christine.Caballero@atlglobal.com](mailto:Christine.Caballero@atlglobal.com)  
Authorized to Release on 03/21/22 20:35 on Behalf of

A handwritten signature in black ink, appearing to read "Amy Leung".

Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

**3275 Walnut Avenue, Signal Hill, CA 90755 • Tel: 562-989-4045 • Fax: 562-989-4040**  
**[www.atlglobal.com](http://www.atlglobal.com)**



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-10-2-1	2200353-01	Soil	3/11/22 7:50	3/11/22 16:56
61W-10-2-5.5	2200353-02	Soil	3/11/22 8:00	3/11/22 16:56
61W-10-1-1	2200353-03	Soil	3/11/22 8:30	3/11/22 16:56
61W-10-1-5.5	2200353-04	Soil	3/11/22 8:40	3/11/22 16:56
61W-24-2-1	2200353-05	Soil	3/11/22 9:34	3/11/22 16:56
61W-24-2-5.5	2200353-06	Soil	3/11/22 9:42	3/11/22 16:56
61W-24-3-1	2200353-07	Soil	3/11/22 10:03	3/11/22 16:56
61W-24-3-5.5	2200353-08	Soil	3/11/22 10:12	3/11/22 16:56
61W-24-4-1	2200353-09	Soil	3/11/22 10:40	3/11/22 16:56
61W-24-4-5.5	2200353-10	Soil	3/11/22 10:54	3/11/22 16:56
61W-24-5-1	2200353-11	Soil	3/11/22 11:26	3/11/22 16:56
61W-24-5-5.5	2200353-12	Soil	3/11/22 11:38	3/11/22 16:56
61W-24-6-1	2200353-13	Soil	3/11/22 12:10	3/11/22 16:56
61W-24-6-5.5	2200353-14	Soil	3/11/22 12:28	3/11/22 16:56
TB_20220211	2200353-15	Water	3/10/22 13:11	3/11/22 16:56
61W-26-1-1	2200353-16	Soil	3/11/22 13:15	3/11/22 16:56
61W-26-1-5.5	2200353-17	Soil	3/11/22 13:22	3/11/22 16:56



## Certificate of Analysis

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19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

### Notes and Definitions

MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

### Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analyzed		
2200353-01	61W-10-2-1	ND	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22	11:33	
2200353-03	61W-10-1-1	ND	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22	11:36	
2200353-05	61W-24-2-1	ND	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22	11:39	
2200353-07	61W-24-3-1	ND	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22	11:42	
2200353-09	61W-24-4-1	ND	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22	11:50	
2200353-11	61W-24-5-1	ND	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22	11:53	
2200353-13	61W-24-6-1	ND	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22	11:56	
2200353-16	61W-26-1-1	0.21	mg/kg	0.10	1	B2C1213	03/16/2022	03/17/22	11:59	



# Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine , CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-10-2-1**

**Lab ID: 2200353-01**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 16:19	
<b>Arsenic</b>	<b>1.6</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
<b>Barium</b>	<b>90</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
<b>Cobalt</b>	<b>5.4</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
<b>Copper</b>	<b>10</b>	2.0	1	B2C1220	03/17/2022	03/17/22 16:19	
<b>Lead</b>	<b>6.2</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
<b>Nickel</b>	<b>6.4</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
<b>Silver</b>	<b>5.7</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
<b>Vanadium</b>	<b>32</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	
<b>Zinc</b>	<b>40</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:19	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-10-2-5.5**

**Lab ID: 2200353-02**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 21:31	
<b>C23-C32</b>	<b>13</b>	10	1	B2C1174	03/15/2022	03/15/22 21:31	
<i>Surrogate: p-Terphenyl</i>	<i>96.2 %</i>	<i>62 - 141</i>		B2C1174	03/15/2022	<i>03/15/22 21:31</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1,1-Trichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1,2-Trichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1-Dichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,1-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2,3-Trichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2-Dibromoethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2-Dichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,2-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,3-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,3-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
1,4-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
2,2-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
2-Chlorotoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
4-Chlorotoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
4-Isopropyltoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Benzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Bromobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Bromochloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Bromodichloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Bromoform	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Bromomethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Carbon disulfide	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Carbon tetrachloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-10-2-5.5**

**Lab ID: 2200353-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Chloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Chloroform	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Chloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Di-isopropyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Dibromochloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Dibromomethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Dichlorodifluoromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Ethyl Acetate	ND	44	1	B2C1186	03/16/2022	03/16/22 19:17	
Ethyl Ether	ND	44	1	B2C1186	03/16/2022	03/16/22 19:17	
Ethyl tert-butyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Ethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Freon-113	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Hexachlorobutadiene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Isopropylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
m,p-Xylene	ND	8.8	1	B2C1186	03/16/2022	03/16/22 19:17	
Methylene chloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
MTBE	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
n-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
n-Propylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Naphthalene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
o-Xylene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
sec-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Styrene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
tert-Amyl methyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
tert-Butanol	ND	88	1	B2C1186	03/16/2022	03/16/22 19:17	
tert-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Tetrachloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Toluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Trichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Trichlorofluoromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
Vinyl acetate	ND	44	1	B2C1186	03/16/2022	03/16/22 19:17	
Vinyl chloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 19:17	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>155 %</i>	<i>66 - 200</i>		B2C1186	03/16/2022	<i>03/16/22 19:17</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.1 %</i>	<i>50 - 146</i>		B2C1186	03/16/2022	<i>03/16/22 19:17</i>	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/21/2022

**Client Sample ID: 61W-10-2-5.5**

**Lab ID: 2200353-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	132 %	77 - 159		B2C1186	03/16/2022	03/16/22 19:17	
<i>Surrogate: Toluene-d8</i>	96.3 %	81 - 128		B2C1186	03/16/2022	03/16/22 19:17	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.89	1	B2C1244	03/18/2022	03/18/22 23:02	
<i>Surrogate: 4-Bromofluorobenzene</i>	97.7 %	47.6 - 121.18		B2C1244	03/18/2022	03/18/22 23:02	

**Client Sample ID: 61W-10-1-1**

**Lab ID: 2200353-03**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 16:44	
<b>Arsenic</b>	<b>1.3</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
<b>Barium</b>	<b>85</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
<b>Cobalt</b>	<b>5.2</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
<b>Copper</b>	<b>9.2</b>	2.0	1	B2C1220	03/17/2022	03/17/22 16:44	
<b>Lead</b>	<b>6.1</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
<b>Nickel</b>	<b>6.2</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
<b>Silver</b>	<b>5.3</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
<b>Vanadium</b>	<b>31</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	
<b>Zinc</b>	<b>41</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:44	





## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-10-1-5.5**

**Lab ID: 2200353-04**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 21:51	
<b>C23-C32</b>	<b>14</b>	10	1	B2C1174	03/15/2022	03/15/22 21:51	
<i>Surrogate: p-Terphenyl</i>	<i>90.6 %</i>	<i>62 - 141</i>		B2C1174	03/15/2022	<i>03/15/22 21:51</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1,1-Trichloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1,2-Trichloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1-Dichloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1-Dichloroethene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,1-Dichloropropene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2,3-Trichloropropane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2-Dibromoethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2-Dichlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2-Dichloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,2-Dichloropropane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,3-Dichlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,3-Dichloropropane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
1,4-Dichlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
2,2-Dichloropropane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
2-Chlorotoluene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
4-Chlorotoluene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
4-Isopropyltoluene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Benzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Bromobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Bromochloromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Bromodichloromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Bromoform	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Bromomethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Carbon disulfide	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Carbon tetrachloride	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	



# Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

Client Sample ID: 61W-10-1-5.5

Lab ID: 2200353-04

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Chloroethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Chloroform	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Chloromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Di-isopropyl ether	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Dibromochloromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Dibromomethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Dichlorodifluoromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Ethyl Acetate	ND	43	1	B2C1186	03/16/2022	03/16/22 19:43	
Ethyl Ether	ND	43	1	B2C1186	03/16/2022	03/16/22 19:43	
Ethyl tert-butyl ether	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Ethylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Freon-113	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Hexachlorobutadiene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Isopropylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
m,p-Xylene	ND	8.7	1	B2C1186	03/16/2022	03/16/22 19:43	
Methylene chloride	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
MTBE	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
n-Butylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
n-Propylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Naphthalene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
o-Xylene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
sec-Butylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Styrene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
tert-Amyl methyl ether	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
tert-Butanol	ND	87	1	B2C1186	03/16/2022	03/16/22 19:43	
tert-Butylbenzene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Tetrachloroethene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Toluene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Trichloroethene	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Trichlorofluoromethane	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Vinyl acetate	ND	43	1	B2C1186	03/16/2022	03/16/22 19:43	
Vinyl chloride	ND	4.3	1	B2C1186	03/16/2022	03/16/22 19:43	
Surrogate: 1,2-Dichloroethane-d4	158 %	66 - 200		B2C1186	03/16/2022	03/16/22 19:43	
Surrogate: 4-Bromofluorobenzene	96.8 %	50 - 146		B2C1186	03/16/2022	03/16/22 19:43	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/21/2022

**Client Sample ID: 61W-10-1-5.5**

**Lab ID: 2200353-04**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	133 %	77 - 159		B2C1186	03/16/2022	03/16/22 19:43	
<i>Surrogate: Toluene-d8</i>	97.8 %	81 - 128		B2C1186	03/16/2022	03/16/22 19:43	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1244	03/18/2022	03/18/22 23:27	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.6 %	47.6 - 121.18		B2C1244	03/18/2022	03/18/22 23:27	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-24-2-1**

**Lab ID: 2200353-05**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 16:46	
<b>Arsenic</b>	<b>1.3</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
<b>Barium</b>	<b>95</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
<b>Beryllium</b>	<b>2.6</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
<b>Cobalt</b>	<b>5.2</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
<b>Copper</b>	<b>8.8</b>	2.0	1	B2C1220	03/17/2022	03/17/22 16:46	
<b>Lead</b>	<b>4.3</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
<b>Nickel</b>	<b>6.0</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
<b>Silver</b>	<b>5.6</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
<b>Vanadium</b>	<b>32</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	
<b>Zinc</b>	<b>41</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:46	

**Polychlorinated Biphenyls by EPA 8082**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1221	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1232	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1242	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1248	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1254	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
Aroclor 1260	ND	16	1	B2C1167	03/15/2022	03/15/22 19:06	
<i>Surrogate: Decachlorobiphenyl</i>	<i>59.1 %</i>	<i>0 - 87</i>		B2C1167	03/15/2022	<i>03/15/22 19:06</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>57.7 %</i>	<i>0 - 103</i>		B2C1167	03/15/2022	<i>03/15/22 19:06</i>	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-24-2-5.5**

**Lab ID: 2200353-06**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 22:09	
<b>C23-C32</b>	<b>14</b>	10	1	B2C1174	03/15/2022	03/15/22 22:09	
<i>Surrogate: p-Terphenyl</i>	<i>85.9 %</i>	<i>62 - 141</i>		B2C1174	03/15/2022	03/15/22 22:09	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1,1-Trichloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1,2-Trichloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1-Dichloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1-Dichloroethene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,1-Dichloropropene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2,3-Trichloropropane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2-Dibromo-3-chloropropane	ND	8.3	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2-Dibromoethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2-Dichlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2-Dichloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,2-Dichloropropane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,3-Dichlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,3-Dichloropropane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
1,4-Dichlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
2,2-Dichloropropane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
2-Chlorotoluene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
4-Chlorotoluene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
4-Isopropyltoluene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Benzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Bromobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Bromochloromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Bromodichloromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Bromoform	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Bromomethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Carbon disulfide	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Carbon tetrachloride	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/21/2022

**Client Sample ID: 61W-24-2-5.5**

**Lab ID: 2200353-06**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Chloroethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Chloroform	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Chloromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Di-isopropyl ether	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Dibromochloromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Dibromomethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Dichlorodifluoromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Ethyl Acetate	ND	42	1	B2C1186	03/16/2022	03/16/22 20:09	
Ethyl Ether	ND	42	1	B2C1186	03/16/2022	03/16/22 20:09	
Ethyl tert-butyl ether	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Ethylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Freon-113	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Hexachlorobutadiene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Isopropylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
m,p-Xylene	ND	8.3	1	B2C1186	03/16/2022	03/16/22 20:09	
Methylene chloride	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
MTBE	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
n-Butylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
n-Propylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Naphthalene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
o-Xylene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
sec-Butylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Styrene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
tert-Amyl methyl ether	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
tert-Butanol	ND	83	1	B2C1186	03/16/2022	03/16/22 20:09	
tert-Butylbenzene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Tetrachloroethene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Toluene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Trichloroethene	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Trichlorofluoromethane	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
Vinyl acetate	ND	42	1	B2C1186	03/16/2022	03/16/22 20:09	
Vinyl chloride	ND	4.2	1	B2C1186	03/16/2022	03/16/22 20:09	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>150 %</i>	<i>66 - 200</i>		B2C1186	03/16/2022	<i>03/16/22 20:09</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.3 %</i>	<i>50 - 146</i>		B2C1186	03/16/2022	<i>03/16/22 20:09</i>	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/21/2022

**Client Sample ID: 61W-24-2-5.5**

**Lab ID: 2200353-06**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
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<i>Surrogate: Dibromofluoromethane</i>	129 %	77 - 159		B2C1186	03/16/2022	03/16/22 20:09	
<i>Surrogate: Toluene-d8</i>	94.8 %	81 - 128		B2C1186	03/16/2022	03/16/22 20:09	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
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C4-C12	ND	0.83	1	B2C1244	03/18/2022	03/18/22 23:52	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.7 %	47.6 - 121.18		B2C1244	03/18/2022	03/18/22 23:52	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/21/2022

**Client Sample ID: 61W-24-3-1**  
**Lab ID: 2200353-07**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Arsenic	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
<b>Barium</b>	<b>110</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
<b>Beryllium</b>	<b>2.9</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
<b>Cobalt</b>	<b>5.8</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
<b>Copper</b>	<b>11</b>	2.0	1	B2C1220	03/17/2022	03/17/22 16:48	
<b>Lead</b>	<b>2.1</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
<b>Nickel</b>	<b>6.6</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
<b>Silver</b>	<b>6.4</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
<b>Vanadium</b>	<b>34</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	
<b>Zinc</b>	<b>39</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:48	

**Polychlorinated Biphenyls by EPA 8082**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1221	ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1232	ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1242	ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1248	ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1254	ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
Aroclor 1260	ND	16	1	B2C1167	03/15/2022	03/15/22 19:25	
<i>Surrogate: Decachlorobiphenyl</i>	<i>57.0 %</i>	<i>0 - 87</i>		B2C1167	03/15/2022	<i>03/15/22 19:25</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>54.2 %</i>	<i>0 - 103</i>		B2C1167	03/15/2022	<i>03/15/22 19:25</i>	





## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-24-3-5.5**

**Lab ID: 2200353-08**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 22:28	
<b>C23-C32</b>	<b>15</b>	10	1	B2C1174	03/15/2022	03/15/22 22:28	
<i>Surrogate: p-Terphenyl</i>	<i>99.9 %</i>	<i>62 - 141</i>		B2C1174	03/15/2022	03/15/22 22:28	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1,1-Trichloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1,2-Trichloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1-Dichloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1-Dichloroethene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,1-Dichloropropene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2,3-Trichloropropane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2-Dibromoethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2-Dichlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2-Dichloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,2-Dichloropropane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,3-Dichlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,3-Dichloropropane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
1,4-Dichlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
2,2-Dichloropropane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
2-Chlorotoluene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
4-Chlorotoluene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
4-Isopropyltoluene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Benzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Bromobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Bromochloromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Bromodichloromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Bromoform	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Bromomethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Carbon disulfide	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Carbon tetrachloride	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/21/2022

Client Sample ID: 61W-24-3-5.5

Lab ID: 2200353-08

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Chloroethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Chloroform	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Chloromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Di-isopropyl ether	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Dibromochloromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Dibromomethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Dichlorodifluoromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Ethyl Acetate	ND	46	1	B2C1186	03/16/2022	03/16/22 20:35	
Ethyl Ether	ND	46	1	B2C1186	03/16/2022	03/16/22 20:35	
Ethyl tert-butyl ether	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Ethylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Freon-113	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Hexachlorobutadiene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Isopropylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
m,p-Xylene	ND	9.1	1	B2C1186	03/16/2022	03/16/22 20:35	
Methylene chloride	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
MTBE	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
n-Butylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
n-Propylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Naphthalene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
o-Xylene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
sec-Butylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Styrene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
tert-Amyl methyl ether	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
tert-Butanol	ND	91	1	B2C1186	03/16/2022	03/16/22 20:35	
tert-Butylbenzene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Tetrachloroethene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Toluene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Trichloroethene	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Trichlorofluoromethane	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Vinyl acetate	ND	46	1	B2C1186	03/16/2022	03/16/22 20:35	
Vinyl chloride	ND	4.6	1	B2C1186	03/16/2022	03/16/22 20:35	
Surrogate: 1,2-Dichloroethane-d4	145 %	66 - 200		B2C1186	03/16/2022	03/16/22 20:35	
Surrogate: 4-Bromofluorobenzene	93.3 %	50 - 146		B2C1186	03/16/2022	03/16/22 20:35	



### Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/21/2022

**Client Sample ID: 61W-24-3-5.5**

**Lab ID: 2200353-08**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	121 %	77 - 159		B2C1186	03/16/2022	03/16/22 20:35	
<i>Surrogate: Toluene-d8</i>	91.5 %	81 - 128		B2C1186	03/16/2022	03/16/22 20:35	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.88	1	B2C1244	03/18/2022	03/19/22 00:16	
<i>Surrogate: 4-Bromofluorobenzene</i>	96.0 %	47.6 - 121.18		B2C1244	03/18/2022	03/19/22 00:16	



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/21/2022

**Client Sample ID: 61W-24-4-1**  
**Lab ID: 2200353-09**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Arsenic	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
<b>Barium</b>	<b>110</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
<b>Beryllium</b>	<b>2.9</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
<b>Cobalt</b>	<b>6.2</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
<b>Copper</b>	<b>11</b>	2.0	1	B2C1220	03/17/2022	03/17/22 16:49	
<b>Lead</b>	<b>2.9</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
<b>Nickel</b>	<b>7.0</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
<b>Silver</b>	<b>6.4</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
<b>Vanadium</b>	<b>35</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	
<b>Zinc</b>	<b>42</b>	1.0	1	B2C1220	03/17/2022	03/17/22 16:49	

**Polychlorinated Biphenyls by EPA 8082**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1221	ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1232	ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1242	ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1248	ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1254	ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
Aroclor 1260	ND	16	1	B2C1167	03/15/2022	03/15/22 19:44	
<i>Surrogate: Decachlorobiphenyl</i>	<i>55.3 %</i>	<i>0 - 87</i>		B2C1167	03/15/2022	<i>03/15/22 19:44</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>50.8 %</i>	<i>0 - 103</i>		B2C1167	03/15/2022	<i>03/15/22 19:44</i>	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

Client Sample ID: 61W-24-4-5.5

Lab ID: 2200353-10

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 22:48	
<b>C23-C32</b>	<b>16</b>	10	1	B2C1174	03/15/2022	03/15/22 22:48	
<i>Surrogate: p-Terphenyl</i>	<i>100 %</i>	<i>62 - 141</i>		B2C1174	03/15/2022	<i>03/15/22 22:48</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1,1-Trichloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1,2-Trichloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1-Dichloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1-Dichloroethene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,1-Dichloropropene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2,3-Trichloropropane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2-Dibromo-3-chloropropane	ND	9.0	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2-Dibromoethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2-Dichlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2-Dichloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,2-Dichloropropane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,3-Dichlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,3-Dichloropropane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
1,4-Dichlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
2,2-Dichloropropane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
2-Chlorotoluene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
4-Chlorotoluene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
4-Isopropyltoluene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Benzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Bromobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Bromochloromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Bromodichloromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Bromoform	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Bromomethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Carbon disulfide	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Carbon tetrachloride	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	



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 Reported : 03/21/2022

**Client Sample ID: 61W-24-4-5.5**

**Lab ID: 2200353-10**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Chloroethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Chloroform	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Chloromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Di-isopropyl ether	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Dibromochloromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Dibromomethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Dichlorodifluoromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Ethyl Acetate	ND	45	1	B2C1186	03/16/2022	03/16/22 21:01	
Ethyl Ether	ND	45	1	B2C1186	03/16/2022	03/16/22 21:01	
Ethyl tert-butyl ether	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Ethylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Freon-113	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Hexachlorobutadiene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Isopropylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
m,p-Xylene	ND	9.0	1	B2C1186	03/16/2022	03/16/22 21:01	
Methylene chloride	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
MTBE	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
n-Butylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
n-Propylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Naphthalene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
o-Xylene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
sec-Butylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Styrene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
tert-Amyl methyl ether	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
tert-Butanol	ND	90	1	B2C1186	03/16/2022	03/16/22 21:01	
tert-Butylbenzene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Tetrachloroethene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Toluene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Trichloroethene	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Trichlorofluoromethane	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Vinyl acetate	ND	45	1	B2C1186	03/16/2022	03/16/22 21:01	
Vinyl chloride	ND	4.5	1	B2C1186	03/16/2022	03/16/22 21:01	
Surrogate: 1,2-Dichloroethane-d4	136 %	66 - 200		B2C1186	03/16/2022	03/16/22 21:01	
Surrogate: 4-Bromofluorobenzene	92.3 %	50 - 146		B2C1186	03/16/2022	03/16/22 21:01	



### Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine , CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-24-4-5.5**

**Lab ID: 2200353-10**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	118 %	77 - 159		B2C1186	03/16/2022	03/16/22 21:01	
<i>Surrogate: Toluene-d8</i>	93.3 %	81 - 128		B2C1186	03/16/2022	03/16/22 21:01	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.94	1	B2C1244	03/18/2022	03/19/22 00:41	
<i>Surrogate: 4-Bromofluorobenzene</i>	95.9 %	47.6 - 121.18		B2C1244	03/18/2022	03/19/22 00:41	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-24-5-1**

**Lab ID: 2200353-11**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Arsenic	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
<b>Barium</b>	<b>120</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
<b>Beryllium</b>	<b>3.0</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
<b>Chromium</b>	<b>16</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
<b>Cobalt</b>	<b>6.4</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
<b>Copper</b>	<b>11</b>	2.0	1	B2C1220	03/17/2022	03/17/22 17:00	
<b>Lead</b>	<b>3.0</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
<b>Nickel</b>	<b>7.3</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
<b>Silver</b>	<b>6.8</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
<b>Vanadium</b>	<b>37</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	
<b>Zinc</b>	<b>42</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:00	

**Polychlorinated Biphenyls by EPA 8082**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1221	ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1232	ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1242	ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1248	ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1254	ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
Aroclor 1260	ND	16	1	B2C1167	03/15/2022	03/15/22 20:03	
<i>Surrogate: Decachlorobiphenyl</i>	<i>58.5 %</i>	<i>0 - 87</i>		B2C1167	03/15/2022	<i>03/15/22 20:03</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>46.2 %</i>	<i>0 - 103</i>		B2C1167	03/15/2022	<i>03/15/22 20:03</i>	





## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

Client Sample ID: 61W-24-5-5.5

Lab ID: 2200353-12

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 23:06	
<b>C23-C32</b>	<b>15</b>	10	1	B2C1174	03/15/2022	03/15/22 23:06	
<i>Surrogate: p-Terphenyl</i>	<i>79.7 %</i>	<i>62 - 141</i>		B2C1174	03/15/2022	<i>03/15/22 23:06</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1,1-Trichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1,2-Trichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1-Dichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,1-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2,3-Trichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2-Dibromoethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2-Dichloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,2-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,3-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,3-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
1,4-Dichlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
2,2-Dichloropropane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
2-Chlorotoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
4-Chlorotoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
4-Isopropyltoluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Benzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Bromobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Bromochloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Bromodichloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Bromoform	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Bromomethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Carbon disulfide	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Carbon tetrachloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	



# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/21/2022

Client Sample ID: 61W-24-5-5.5

Lab ID: 2200353-12

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Chloroethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Chloroform	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Chloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Di-isopropyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Dibromochloromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Dibromomethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Dichlorodifluoromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Ethyl Acetate	ND	44	1	B2C1186	03/16/2022	03/16/22 21:27	
Ethyl Ether	ND	44	1	B2C1186	03/16/2022	03/16/22 21:27	
Ethyl tert-butyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Ethylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Freon-113	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Hexachlorobutadiene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Isopropylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
m,p-Xylene	ND	8.8	1	B2C1186	03/16/2022	03/16/22 21:27	
Methylene chloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
MTBE	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
n-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
n-Propylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Naphthalene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
o-Xylene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
sec-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Styrene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
tert-Amyl methyl ether	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
tert-Butanol	ND	88	1	B2C1186	03/16/2022	03/16/22 21:27	
tert-Butylbenzene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Tetrachloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Toluene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Trichloroethene	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Trichlorofluoromethane	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Vinyl acetate	ND	44	1	B2C1186	03/16/2022	03/16/22 21:27	
Vinyl chloride	ND	4.4	1	B2C1186	03/16/2022	03/16/22 21:27	
Surrogate: 1,2-Dichloroethane-d4	154 %	66 - 200		B2C1186	03/16/2022	03/16/22 21:27	
Surrogate: 4-Bromofluorobenzene	97.4 %	50 - 146		B2C1186	03/16/2022	03/16/22 21:27	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/21/2022

**Client Sample ID: 61W-24-5-5.5**

**Lab ID: 2200353-12**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	131 %	77 - 159		B2C1186	03/16/2022	03/16/22 21:27	
<i>Surrogate: Toluene-d8</i>	94.7 %	81 - 128		B2C1186	03/16/2022	03/16/22 21:27	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1244	03/18/2022	03/19/22 01:05	
<i>Surrogate: 4-Bromofluorobenzene</i>	103 %	47.6 - 121.18		B2C1244	03/18/2022	03/19/22 01:05	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-24-6-1**

**Lab ID: 2200353-13**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Arsenic	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
<b>Barium</b>	<b>100</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
<b>Beryllium</b>	<b>2.7</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
<b>Cobalt</b>	<b>5.6</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
<b>Copper</b>	<b>11</b>	2.0	1	B2C1220	03/17/2022	03/17/22 17:02	
<b>Lead</b>	<b>2.5</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
<b>Nickel</b>	<b>6.4</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
<b>Silver</b>	<b>5.7</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	
<b>Zinc</b>	<b>38</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:02	

**Polychlorinated Biphenyls by EPA 8082**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1221	ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1232	ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1242	ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1248	ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1254	ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
Aroclor 1260	ND	16	1	B2C1167	03/15/2022	03/15/22 20:22	
<i>Surrogate: Decachlorobiphenyl</i>	<i>65.0 %</i>	<i>0 - 87</i>		B2C1167	03/15/2022	03/15/22 20:22	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>58.0 %</i>	<i>0 - 103</i>		B2C1167	03/15/2022	03/15/22 20:22	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

Client Sample ID: 61W-24-6-5.5

Lab ID: 2200353-14

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 23:26	
<b>C23-C32</b>	<b>15</b>	10	1	B2C1174	03/15/2022	03/15/22 23:26	
<i>Surrogate: p-Terphenyl</i>	<i>85.1 %</i>	<i>62 - 141</i>		B2C1174	03/15/2022	<i>03/15/22 23:26</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1,1-Trichloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1,2,2-Tetrachloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1,2-Trichloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1-Dichloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1-Dichloroethene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,1-Dichloropropene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2,3-Trichloropropane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2,3-Trichlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2,4-Trichlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2,4-Trimethylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2-Dibromo-3-chloropropane	ND	7.0	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2-Dibromoethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2-Dichlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2-Dichloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,2-Dichloropropane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,3,5-Trimethylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,3-Dichlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,3-Dichloropropane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
1,4-Dichlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
2,2-Dichloropropane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
2-Chlorotoluene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
4-Chlorotoluene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
4-Isopropyltoluene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Benzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Bromobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Bromochloromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Bromodichloromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Bromoform	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Bromomethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Carbon disulfide	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Carbon tetrachloride	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/21/2022

**Client Sample ID: 61W-24-6-5.5**

**Lab ID: 2200353-14**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Chloroethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Chloroform	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Chloromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
cis-1,2-Dichloroethene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
cis-1,3-Dichloropropene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Di-isopropyl ether	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Dibromochloromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Dibromomethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Dichlorodifluoromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Ethyl Acetate	ND	35	1	B2C1186	03/16/2022	03/16/22 21:53	
Ethyl Ether	ND	35	1	B2C1186	03/16/2022	03/16/22 21:53	
Ethyl tert-butyl ether	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Ethylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Freon-113	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Hexachlorobutadiene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Isopropylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
m,p-Xylene	ND	7.0	1	B2C1186	03/16/2022	03/16/22 21:53	
Methylene chloride	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
MTBE	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
n-Butylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
n-Propylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Naphthalene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
o-Xylene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
sec-Butylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Styrene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
tert-Amyl methyl ether	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
tert-Butanol	ND	70	1	B2C1186	03/16/2022	03/16/22 21:53	
tert-Butylbenzene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Tetrachloroethene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Toluene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
trans-1,2-Dichloroethene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
trans-1,3-Dichloropropene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Trichloroethene	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Trichlorofluoromethane	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Vinyl acetate	ND	35	1	B2C1186	03/16/2022	03/16/22 21:53	
Vinyl chloride	ND	3.5	1	B2C1186	03/16/2022	03/16/22 21:53	
Surrogate: 1,2-Dichloroethane-d4	171 %	66 - 200		B2C1186	03/16/2022	03/16/22 21:53	
Surrogate: 4-Bromofluorobenzene	96.6 %	50 - 146		B2C1186	03/16/2022	03/16/22 21:53	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/21/2022

**Client Sample ID: 61W-24-6-5.5**

**Lab ID: 2200353-14**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	134 %	77 - 159		B2C1186	03/16/2022	03/16/22 21:53	
<i>Surrogate: Toluene-d8</i>	98.4 %	81 - 128		B2C1186	03/16/2022	03/16/22 21:53	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.78	1	B2C1244	03/18/2022	03/19/22 01:30	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	47.6 - 121.18		B2C1244	03/18/2022	03/19/22 01:30	

**Client Sample ID: 61W-26-1-1**

**Lab ID: 2200353-16**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Arsenic	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
<b>Barium</b>	<b>100</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
<b>Beryllium</b>	<b>2.7</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Cadmium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
<b>Cobalt</b>	<b>5.5</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
<b>Copper</b>	<b>11</b>	2.0	1	B2C1220	03/17/2022	03/17/22 17:03	
<b>Lead</b>	<b>2.7</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Molybdenum	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
<b>Nickel</b>	<b>6.6</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Selenium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
<b>Silver</b>	<b>5.8</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
Thallium	ND	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
<b>Vanadium</b>	<b>31</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	
<b>Zinc</b>	<b>38</b>	1.0	1	B2C1220	03/17/2022	03/17/22 17:03	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-26-1-5.5**

**Lab ID: 2200353-17**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1174	03/15/2022	03/15/22 23:45	
<b>C23-C32</b>	<b>15</b>	10	1	B2C1174	03/15/2022	03/15/22 23:45	
<i>Surrogate: p-Terphenyl</i>	<i>73.5 %</i>	<i>62 - 141</i>		B2C1174	03/15/2022	<i>03/15/22 23:45</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1,1-Trichloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1,2-Trichloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1-Dichloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1-Dichloroethene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,1-Dichloropropene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2,3-Trichloropropane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2,3-Trichlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2,4-Trichlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2,4-Trimethylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2-Dibromoethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2-Dichlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2-Dichloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,2-Dichloropropane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,3,5-Trimethylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,3-Dichlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,3-Dichloropropane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
1,4-Dichlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
2,2-Dichloropropane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
2-Chlorotoluene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
4-Chlorotoluene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
4-Isopropyltoluene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Benzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Bromobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Bromochloromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Bromodichloromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Bromoform	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Bromomethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Carbon disulfide	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Carbon tetrachloride	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	





# Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

Client Sample ID: 61W-26-1-5.5

Lab ID: 2200353-17

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chlorobenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Chloroethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Chloroform	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Chloromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
cis-1,2-Dichloroethene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
cis-1,3-Dichloropropene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Di-isopropyl ether	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Dibromochloromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Dibromomethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Dichlorodifluoromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Ethyl Acetate	ND	37	1	B2C1186	03/16/2022	03/16/22 22:19	
Ethyl Ether	ND	37	1	B2C1186	03/16/2022	03/16/22 22:19	
Ethyl tert-butyl ether	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Ethylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Freon-113	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Hexachlorobutadiene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Isopropylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
m,p-Xylene	ND	7.3	1	B2C1186	03/16/2022	03/16/22 22:19	
Methylene chloride	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
MTBE	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
n-Butylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
n-Propylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Naphthalene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
o-Xylene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
sec-Butylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Styrene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
tert-Amyl methyl ether	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
tert-Butanol	ND	73	1	B2C1186	03/16/2022	03/16/22 22:19	
tert-Butylbenzene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Tetrachloroethene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Toluene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
trans-1,2-Dichloroethene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
trans-1,3-Dichloropropene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Trichloroethene	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Trichlorofluoromethane	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Vinyl acetate	ND	37	1	B2C1186	03/16/2022	03/16/22 22:19	
Vinyl chloride	ND	3.7	1	B2C1186	03/16/2022	03/16/22 22:19	
Surrogate: 1,2-Dichloroethane-d4	155 %	66 - 200		B2C1186	03/16/2022	03/16/22 22:19	
Surrogate: 4-Bromofluorobenzene	92.1 %	50 - 146		B2C1186	03/16/2022	03/16/22 22:19	



### Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine , CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

**Client Sample ID: 61W-26-1-5.5**

**Lab ID: 2200353-17**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
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*Surrogate: Dibromofluoromethane*      129 %      77 - 159      B2C1186      03/16/2022      03/16/22 22:19

*Surrogate: Toluene-d8*      92.4 %      81 - 128      B2C1186      03/16/2022      03/16/22 22:19

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
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C4-C12      ND      0.75      1      B2C1244      03/18/2022      03/19/22 01:55

*Surrogate: 4-Bromofluorobenzene*      101 %      47.6 - 121.18      B2C1244      03/18/2022      03/19/22 01:55



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
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### QUALITY CONTROL SECTION

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1244 - GCVOA_S</b>										
<b>Blank (B2C1244-BLK1)</b>					Prepared: 3/18/2022 Analyzed: 3/18/2022					
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7674			0.800000		95.9	47.6 - 121.18			
<b>LCS (B2C1244-BS1)</b>					Prepared: 3/18/2022 Analyzed: 3/18/2022					
Gasoline Range Organics	6.08400	1.0	0.13	5.00000		122	58.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.8028			0.800000		100	47.6 - 121.18			
<b>LCS Dup (B2C1244-BSD1)</b>					Prepared: 3/19/2022 Analyzed: 3/19/2022					
Gasoline Range Organics	5.27600	1.0	0.13	5.00000		106	58.69 - 124.04	14.2	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7980			0.800000		99.8	47.6 - 121.18			
<b>Matrix Spike (B2C1244-MS1)</b>					Source: 2200312-09 Prepared: 3/18/2022 Analyzed: 3/18/2022					
Gasoline Range Organics	6.75956	1.0	0.13	5.03018	ND	134	37.92 - 128.32			M2
<i>Surrogate: 4-Bromofluorobenzene</i>	0.8596			0.800000		107	47.6 - 121.18			
<b>Matrix Spike Dup (B2C1244-MSD1)</b>					Source: 2200312-09 Prepared: 3/18/2022 Analyzed: 3/18/2022					
Gasoline Range Organics	5.97289	1.0	0.13	5.02008	ND	119	37.92 - 128.32	12.4	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.8925			0.800000		112	47.6 - 121.18			



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1220 - EPA 3050B\_S**

**Blank (B2C1220-BLK1)**

Prepared: 3/17/2022 Analyzed: 3/17/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

**LCS (B2C1220-BS1)**

Prepared: 3/17/2022 Analyzed: 3/17/2022

Antimony	25.1826	2.0	0.51	25.0000	101	80 - 120
Arsenic	25.2311	1.0	0.12	25.0000	101	80 - 120
Barium	24.4117	1.0	0.12	25.0000	97.6	80 - 120
Beryllium	26.7038	1.0	0.03	25.0100	107	80 - 120
Cadmium	25.5068	1.0	0.14	25.0000	102	80 - 120
Chromium	25.0212	1.0	0.26	25.0000	100	80 - 120
Cobalt	26.0232	1.0	0.07	25.0000	104	80 - 120
Copper	24.5178	2.0	0.19	25.0000	98.1	80 - 120
Lead	25.9287	1.0	0.18	25.0000	104	80 - 120
Molybdenum	26.2236	1.0	0.12	25.0000	105	80 - 120
Nickel	26.0319	1.0	0.18	25.0000	104	80 - 120
Selenium	25.5412	1.0	0.40	25.0000	102	80 - 120
Silver	11.7005	1.0	0.12	12.5000	93.6	80 - 120
Thallium	23.4973	1.0	0.38	25.0000	94.0	80 - 120
Vanadium	24.5439	1.0	0.06	25.0000	98.2	80 - 120
Zinc	25.2119	1.0	0.15	25.0000	101	80 - 120

**Matrix Spike (B2C1220-MS1)**

**Source: 2200353-01**

Prepared: 3/17/2022 Analyzed: 3/17/2022

Antimony	14.9690	2.0	0.51	25.0000	0.785482	56.7	0 - 102
Arsenic	23.9758	1.0	0.12	25.0000	1.63586	89.4	55 - 117
Barium	110.714	1.0	0.12	25.0000	90.2646	81.8	11 - 177
Beryllium	22.8492	1.0	0.03	25.0100	2.52210	81.3	64 - 115
Cadmium	22.6628	1.0	0.14	25.0000	0.486773	88.7	62 - 116
Chromium	32.6518	1.0	0.26	25.0000	13.7763	75.5	42 - 145
Cobalt	28.6308	1.0	0.07	25.0000	5.36854	93.0	60 - 126
Copper	34.0844	2.0	0.19	25.0000	10.4190	94.7	37 - 163



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1220 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1220-MS1) - Continued**

**Source: 2200353-01**

Prepared: 3/17/2022 Analyzed: 3/17/2022

Lead	26.8271	1.0	0.18	25.0000	6.15760	82.7	26 - 161			
Molybdenum	22.4161	1.0	0.12	25.0000	0.265176	88.6	31 - 122			
Nickel	27.3304	1.0	0.18	25.0000	6.42046	83.6	52 - 130			
Selenium	22.1608	1.0	0.40	25.0000	ND	88.6	25 - 129			
Silver	16.1974	1.0	0.12	12.5000	5.67644	84.2	48 - 133			
Thallium	22.5902	1.0	0.38	25.0000	0.432233	88.6	25 - 119			
Vanadium	54.1398	1.0	0.06	25.0000	32.0773	88.3	51 - 141			
Zinc	63.4834	1.0	0.15	25.0000	39.9860	94.0	8 - 170			

**Matrix Spike Dup (B2C1220-MSD1)**

**Source: 2200353-01**

Prepared: 3/17/2022 Analyzed: 3/17/2022

Antimony	14.7309	2.0	0.51	25.0000	0.785482	55.8	0 - 102	1.60	20	
Arsenic	22.6176	1.0	0.12	25.0000	1.63586	83.9	55 - 117	5.83	20	
Barium	110.794	1.0	0.12	25.0000	90.2646	82.1	11 - 177	0.0726	20	
Beryllium	22.5244	1.0	0.03	25.0100	2.52210	80.0	64 - 115	1.43	20	
Cadmium	22.4667	1.0	0.14	25.0000	0.486773	87.9	62 - 116	0.869	20	
Chromium	33.1843	1.0	0.26	25.0000	13.7763	77.6	42 - 145	1.62	20	
Cobalt	28.2338	1.0	0.07	25.0000	5.36854	91.5	60 - 126	1.40	20	
Copper	33.1178	2.0	0.19	25.0000	10.4190	90.8	37 - 163	2.88	20	
Lead	26.8883	1.0	0.18	25.0000	6.15760	82.9	26 - 161	0.228	20	
Molybdenum	22.2712	1.0	0.12	25.0000	0.265176	88.0	31 - 122	0.648	20	
Nickel	26.8803	1.0	0.18	25.0000	6.42046	81.8	52 - 130	1.66	20	
Selenium	22.6843	1.0	0.40	25.0000	ND	90.7	25 - 129	2.33	20	
Silver	16.0416	1.0	0.12	12.5000	5.67644	82.9	48 - 133	0.967	20	
Thallium	21.5782	1.0	0.38	25.0000	0.432233	84.6	25 - 119	4.58	20	
Vanadium	54.2617	1.0	0.06	25.0000	32.0773	88.7	51 - 141	0.225	20	
Zinc	63.6794	1.0	0.15	25.0000	39.9860	94.8	8 - 170	0.308	20	



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### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1213 - EPA 7471_S</b>										
<b>Blank (B2C1213-BLK1)</b>										
										Prepared: 3/16/2022 Analyzed: 3/17/2022
Mercury	ND	0.10	0.01							
<b>LCS (B2C1213-BS1)</b>										
										Prepared: 3/16/2022 Analyzed: 3/17/2022
Mercury	0.418834	0.10	0.01	0.416667		101	80 - 120			
<b>Matrix Spike (B2C1213-MS1)</b>										
										Source: 2200350-01 Prepared: 3/16/2022 Analyzed: 3/17/2022
Mercury	0.498197	0.10	0.01	0.416667	0.107734	93.7	70 - 130			
<b>Matrix Spike Dup (B2C1213-MSD1)</b>										
										Source: 2200350-01 Prepared: 3/16/2022 Analyzed: 3/17/2022
Mercury	0.494261	0.10	0.01	0.416667	0.107734	92.8	70 - 130	0.793	20	



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#### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C1213 - EPA 7471\_S

Post Spike (B2C1213-PS1)

Source: 2200350-01

Prepared: 3/16/2022 Analyzed: 3/17/2022

Mercury	0.005893		5.00000E-3	0.001293	92.0	85 - 115			
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Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1174 - GCSEMI_DRO_S</b>										
<b>Blank (B2C1174-BLK1)</b>										
						Prepared: 3/15/2022 Analyzed: 3/15/2022				
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
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<i>Surrogate: p-Terphenyl</i>	62.88			80.0000		78.6	62 - 141			
<b>LCS (B2C1174-BS1)</b>										
						Prepared: 3/15/2022 Analyzed: 3/15/2022				
DRO	921.098	10	3.6	1000.00		92.1	56 - 139			
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<i>Surrogate: p-Terphenyl</i>	68.38			80.0000		85.5	62 - 141			
<b>Matrix Spike (B2C1174-MS1)</b>										
						Source: 2200353-02 Prepared: 3/15/2022 Analyzed: 3/15/2022				
DRO	895.903	10	3.6	1000.00	ND	89.6	38 - 161			
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<i>Surrogate: p-Terphenyl</i>	72.17			80.0000		90.2	62 - 141			
<b>Matrix Spike Dup (B2C1174-MSD1)</b>										
						Source: 2200353-02 Prepared: 3/15/2022 Analyzed: 3/15/2022				
DRO	876.681	10	3.6	1000.00	ND	87.7	38 - 161	2.17	20	
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<i>Surrogate: p-Terphenyl</i>	81.16			80.0000		101	62 - 141			





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 Reported : 03/21/2022

### Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1167 - GCSEMI\_PCB/PEST\_S**

**Blank (B2C1167-BLK1)**

Prepared: 3/15/2022 Analyzed: 3/15/2022

Aroclor 1016	ND	16	1.9
Aroclor 1221	ND	16	1.9
Aroclor 1232	ND	16	1.9
Aroclor 1242	ND	16	1.9
Aroclor 1248	ND	16	1.9
Aroclor 1254	ND	16	1.9
Aroclor 1260	ND	16	1.9

<i>Surrogate: Decachlorobiphenyl</i>	<i>11.11</i>		<i>16.6667</i>	<i>66.7</i>	<i>0 - 87</i>
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.16</i>		<i>16.6667</i>	<i>67.0</i>	<i>0 - 103</i>

**LCS (B2C1167-BS1)**

Prepared: 3/15/2022 Analyzed: 3/15/2022

Aroclor 1016	113.203	16	1.9	166.667	67.9	11 - 108
Aroclor 1260	125.557	16	1.9	166.667	75.3	19 - 112

<i>Surrogate: Decachlorobiphenyl</i>	<i>10.58</i>		<i>16.6667</i>	<i>63.5</i>	<i>0 - 87</i>
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.01</i>		<i>16.6667</i>	<i>66.1</i>	<i>0 - 103</i>

**Matrix Spike (B2C1167-MS1)**

**Source: 2200367-03**

Prepared: 3/15/2022 Analyzed: 3/15/2022

Aroclor 1016	117.676	16	1.9	166.667	ND	70.6	0 - 135
Aroclor 1260	133.279	16	1.9	166.667	ND	80.0	0 - 127

<i>Surrogate: Decachlorobiphenyl</i>	<i>11.67</i>		<i>16.6667</i>	<i>70.0</i>	<i>0 - 87</i>
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.24</i>		<i>16.6667</i>	<i>67.4</i>	<i>0 - 103</i>

**Matrix Spike Dup (B2C1167-MSD1)**

**Source: 2200367-03**

Prepared: 3/15/2022 Analyzed: 3/15/2022

Aroclor 1016	103.546	16	1.9	166.667	ND	62.1	0 - 135	12.8	20
Aroclor 1260	115.077	16	1.9	166.667	ND	69.0	0 - 127	14.7	20

<i>Surrogate: Decachlorobiphenyl</i>	<i>9.716</i>		<i>16.6667</i>	<i>58.3</i>	<i>0 - 87</i>
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>9.618</i>		<i>16.6667</i>	<i>57.7</i>	<i>0 - 103</i>



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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/21/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1186 - MSVOA\_S**

**Blank (B2C1186-BLK1)**

Prepared: 3/16/2022 Analyzed: 3/16/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52
1,1,1-Trichloroethane	ND	5.0	0.26
1,1,2,2-Tetrachloroethane	ND	5.0	0.21
1,1,2-Trichloroethane	ND	5.0	0.40
1,1-Dichloroethane	ND	5.0	1.4
1,1-Dichloroethene	ND	5.0	1.9
1,1-Dichloropropene	ND	5.0	0.54
1,2,3-Trichloropropane	ND	5.0	0.40
1,2,3-Trichlorobenzene	ND	5.0	0.83
1,2,4-Trichlorobenzene	ND	5.0	0.80
1,2,4-Trimethylbenzene	ND	5.0	0.91
1,2-Dibromo-3-chloropropane	ND	10	1.1
1,2-Dibromoethane	ND	5.0	0.40
1,2-Dichlorobenzene	ND	5.0	0.21
1,2-Dichloroethane	ND	5.0	0.50
1,2-Dichloropropane	ND	5.0	0.46
1,3,5-Trimethylbenzene	ND	5.0	0.70
1,3-Dichlorobenzene	ND	5.0	0.36
1,3-Dichloropropane	ND	5.0	0.49
1,4-Dichlorobenzene	ND	5.0	0.27
2,2-Dichloropropane	ND	5.0	0.28
2-Chlorotoluene	ND	5.0	0.53
4-Chlorotoluene	ND	5.0	0.40
4-Isopropyltoluene	ND	5.0	0.81
Benzene	ND	5.0	0.36
Bromobenzene	ND	5.0	0.62
Bromochloromethane	ND	5.0	0.30
Bromodichloromethane	ND	5.0	0.52
Bromoform	ND	5.0	1.4
Bromomethane	ND	5.0	2.5
Carbon disulfide	ND	5.0	0.94
Carbon tetrachloride	ND	5.0	0.73
Chlorobenzene	ND	5.0	0.42
Chloroethane	ND	5.0	1.5
Chloroform	ND	5.0	0.24
Chloromethane	ND	5.0	1.1
cis-1,2-Dichloroethene	ND	5.0	0.20
cis-1,3-Dichloropropene	ND	5.0	0.39
Di-isopropyl ether	ND	5.0	1.9
Dibromochloromethane	ND	5.0	0.81
Dibromomethane	ND	5.0	0.23
Dichlorodifluoromethane	ND	5.0	0.14
Ethyl Acetate	ND	50	7.0
Ethyl Ether	ND	50	17



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 Reported : 03/21/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1186 - MSVOA\_S (continued)**

**Blank (B2C1186-BLK1) - Continued**

Prepared: 3/16/2022 Analyzed: 3/16/2022

Ethyl tert-butyl ether	ND	5.0	0.85
Ethylbenzene	ND	5.0	0.43
Freon-113	ND	5.0	1.3
Hexachlorobutadiene	ND	5.0	0.40
Isopropylbenzene	ND	5.0	0.79
m,p-Xylene	ND	10	0.98
Methylene chloride	ND	5.0	2.2
MTBE	ND	5.0	0.81
n-Butylbenzene	ND	5.0	1.2
n-Propylbenzene	ND	5.0	0.78
Naphthalene	ND	5.0	1.1
o-Xylene	ND	5.0	0.67
sec-Butylbenzene	ND	5.0	0.63
Styrene	ND	5.0	0.45
tert-Amyl methyl ether	ND	5.0	1.1
tert-Butanol	ND	100	11
tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	64.44		50.0000	129	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	45.59		50.0000	91.2	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	58.84		50.0000	118	77 - 159
<i>Surrogate: Toluene-d8</i>	47.24		50.0000	94.5	81 - 128

**Blank (B2C1186-BLK2)**

Prepared: 3/16/2022 Analyzed: 3/16/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52
1,1,1-Trichloroethane	ND	5.0	0.26
1,1,2,2-Tetrachloroethane	ND	5.0	0.21
1,1,2-Trichloroethane	ND	5.0	0.40
1,1-Dichloroethane	ND	5.0	1.4
1,1-Dichloroethene	ND	5.0	1.9
1,1-Dichloropropene	ND	5.0	0.54
1,2,3-Trichloropropane	ND	5.0	0.40
1,2,3-Trichlorobenzene	ND	5.0	0.83
1,2,4-Trichlorobenzene	ND	5.0	0.80
1,2,4-Trimethylbenzene	ND	5.0	0.91
1,2-Dibromo-3-chloropropane	ND	10	1.1
1,2-Dibromoethane	ND	5.0	0.40



# Certificate of Analysis

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## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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### Batch B2C1186 - MSVOA\_S (continued)

#### Blank (B2C1186-BLK2) - Continued

Prepared: 3/16/2022 Analyzed: 3/16/2022

1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
MTBE	ND	5.0	0.81							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1186 - MSVOA\_S (continued)**

**Blank (B2C1186-BLK2) - Continued**

Prepared: 3/16/2022 Analyzed: 3/16/2022

Styrene	ND	5.0	0.45
tert-Amyl methyl ether	ND	5.0	1.1
tert-Butanol	ND	100	11
tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>59.71</i>		<i>50.0000</i>	<i>119</i>	<i>66 - 200</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.22</i>		<i>50.0000</i>	<i>96.4</i>	<i>50 - 146</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>56.19</i>		<i>50.0000</i>	<i>112</i>	<i>77 - 159</i>
<i>Surrogate: Toluene-d8</i>	<i>48.37</i>		<i>50.0000</i>	<i>96.7</i>	<i>81 - 128</i>

**LCS (B2C1186-BS1)**

Prepared: 3/16/2022 Analyzed: 3/16/2022

1,1,1,2-Tetrachloroethane	45.0100	5.0	0.52	50.0000	90.0	84 - 123
1,1,1-Trichloroethane	52.8300	5.0	0.26	50.0000	106	78 - 133
1,1,2,2-Tetrachloroethane	42.2800	5.0	0.21	50.0000	84.6	63 - 127
1,1,2-Trichloroethane	45.1900	5.0	0.40	50.0000	90.4	80 - 125
1,1-Dichloroethane	48.5100	5.0	1.4	50.0000	97.0	77 - 128
1,1-Dichloroethene	52.2300	5.0	1.9	50.0000	104	69 - 138
1,1-Dichloropropene	49.5300	5.0	0.54	50.0000	99.1	80 - 133
1,2,3-Trichloropropane	45.2400	5.0	0.40	50.0000	90.5	74 - 123
1,2,3-Trichlorobenzene	44.7800	5.0	0.83	50.0000	89.6	79 - 133
1,2,4-Trichlorobenzene	42.6900	5.0	0.80	50.0000	85.4	73 - 131
1,2,4-Trimethylbenzene	46.2100	5.0	0.91	50.0000	92.4	86 - 137
1,2-Dibromo-3-chloropropane	44.7900	10	1.1	50.0000	89.6	62 - 127
1,2-Dibromoethane	49.1300	5.0	0.40	50.0000	98.3	83 - 126
1,2-Dichlorobenzene	44.6500	5.0	0.21	50.0000	89.3	83 - 123
1,2-Dichloroethane	53.6200	5.0	0.50	50.0000	107	76 - 128
1,2-Dichloropropane	42.1800	5.0	0.46	50.0000	84.4	77 - 121
1,3,5-Trimethylbenzene	46.5900	5.0	0.70	50.0000	93.2	84 - 135
1,3-Dichlorobenzene	45.8800	5.0	0.36	50.0000	91.8	81 - 126
1,3-Dichloropropane	45.1000	5.0	0.49	50.0000	90.2	80 - 118
1,4-Dichlorobenzene	44.8600	5.0	0.27	50.0000	89.7	80 - 124
2,2-Dichloropropane	49.3300	5.0	0.28	50.0000	98.7	72 - 135
2-Chlorotoluene	46.9800	5.0	0.53	50.0000	94.0	81 - 127
4-Chlorotoluene	47.2500	5.0	0.40	50.0000	94.5	83 - 127
4-Isopropyltoluene	46.1100	5.0	0.81	50.0000	92.2	82 - 143
Benzene	47.4200	5.0	0.36	50.0000	94.8	84 - 123
Bromobenzene	46.9100	5.0	0.62	50.0000	93.8	80 - 122



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1186 - MSVOA\_S (continued)**

**LCS (B2C1186-BS1) - Continued**

Prepared: 3/16/2022 Analyzed: 3/16/2022

Bromochloromethane	43.6400	5.0	0.30	50.0000		87.3	83 - 127			
Bromodichloromethane	52.9100	5.0	0.52	50.0000		106	82 - 123			
Bromoform	46.4300	5.0	1.4	50.0000		92.9	80 - 132			
Bromomethane	70.8700	5.0	2.5	50.0000		142	67 - 176			
Carbon disulfide	49.3500	5.0	0.94	50.0000		98.7	75 - 138			
Carbon tetrachloride	49.3300	5.0	0.73	50.0000		98.7	76 - 131			
Chlorobenzene	43.8500	5.0	0.42	50.0000		87.7	84 - 119			
Chloroethane	57.9400	5.0	1.5	50.0000		116	56 - 170			
Chloroform	53.2200	5.0	0.24	50.0000		106	78 - 129			
Chloromethane	43.7700	5.0	1.1	50.0000		87.5	63 - 141			
cis-1,2-Dichloroethene	37.8600	5.0	0.20	50.0000		75.7	83 - 125			L3
cis-1,3-Dichloropropene	40.3200	5.0	0.39	50.0000		80.6	76 - 129			
Di-isopropyl ether	43.6900	5.0	1.9	50.0000		87.4	73 - 132			
Dibromochloromethane	43.1300	5.0	0.81	50.0000		86.3	81 - 120			
Dibromomethane	45.9400	5.0	0.23	50.0000		91.9	79 - 124			
Dichlorodifluoromethane	41.9800	5.0	0.14	50.0000		84.0	18 - 199			
Ethyl Acetate	19.5600	50	7.0	500.000		3.91	76 - 138			MO
Ethyl Ether	568.050	50	17	500.000		114	74 - 128			
Ethyl tert-butyl ether	44.5500	5.0	0.85	50.0000		89.1	50 - 175			
Ethylbenzene	46.1900	5.0	0.43	50.0000		92.4	86 - 130			
Freon-113	58.7900	5.0	1.3	50.0000		118	66 - 132			
Hexachlorobutadiene	47.1900	5.0	0.40	50.0000		94.4	64 - 135			
Isopropylbenzene	47.7700	5.0	0.79	50.0000		95.5	80 - 133			
m,p-Xylene	91.3100	10	0.98	100.000		91.3	89 - 133			
Methylene chloride	48.8700	5.0	2.2	50.0000		97.7	72 - 143			
MTBE	44.6700	5.0	0.81	50.0000		89.3	73 - 136			
n-Butylbenzene	47.1100	5.0	1.2	50.0000		94.2	76 - 144			
n-Propylbenzene	46.6100	5.0	0.78	50.0000		93.2	81 - 136			
Naphthalene	42.0300	5.0	1.1	50.0000		84.1	64 - 128			
o-Xylene	46.8400	5.0	0.67	50.0000		93.7	82 - 134			
sec-Butylbenzene	46.5500	5.0	0.63	50.0000		93.1	81 - 138			
Styrene	44.5900	5.0	0.45	50.0000		89.2	79 - 152			
tert-Amyl methyl ether	44.0800	5.0	1.1	50.0000		88.2	48 - 166			
tert-Butanol	159.320	100	11	250.000		63.7	48 - 148			
tert-Butylbenzene	47.1800	5.0	0.80	50.0000		94.4	81 - 135			
Tetrachloroethene	46.9900	5.0	0.31	50.0000		94.0	75 - 127			
Toluene	47.5300	5.0	0.27	50.0000		95.1	88 - 130			
trans-1,2-Dichloroethene	64.4400	5.0	0.56	50.0000		129	79 - 127			L3
trans-1,3-Dichloropropene	43.8400	5.0	0.59	50.0000		87.7	80 - 130			
Trichloroethene	49.0000	5.0	0.32	50.0000		98.0	83 - 126			
Trichlorofluoromethane	59.9500	5.0	1.0	50.0000		120	62 - 143			
Vinyl acetate	27.7100	50	6.0	500.000		5.54	69 - 150			MO
Vinyl chloride	53.6100	5.0	0.92	50.0000		107	69 - 140			



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/21/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1186 - MSVOA\_S (continued)**

**LCS (B2C1186-BS1) - Continued**

Prepared: 3/16/2022 Analyzed: 3/16/2022

Surrogate: 1,2-Dichloroethane-d4	55.85	50.0000	112	66 - 200
Surrogate: 4-Bromofluorobenzene	48.43	50.0000	96.9	50 - 146
Surrogate: Dibromofluoromethane	52.93	50.0000	106	77 - 159
Surrogate: Toluene-d8	48.61	50.0000	97.2	81 - 128

**LCS Dup (B2C1186-BS1)**

Prepared: 3/16/2022 Analyzed: 3/16/2022

1,1,1,2-Tetrachloroethane	47.1900	5.0	0.52	50.0000	94.4	84 - 123	4.73	20
1,1,1-Trichloroethane	51.6600	5.0	0.26	50.0000	103	78 - 133	2.24	20
1,1,2,2-Tetrachloroethane	42.7900	5.0	0.21	50.0000	85.6	63 - 127	1.20	20
1,1,2-Trichloroethane	50.4300	5.0	0.40	50.0000	101	80 - 125	11.0	20
1,1-Dichloroethane	50.3500	5.0	1.4	50.0000	101	77 - 128	3.72	20
1,1-Dichloroethene	49.9400	5.0	1.9	50.0000	99.9	69 - 138	4.48	20
1,1-Dichloropropene	50.3400	5.0	0.54	50.0000	101	80 - 133	1.62	20
1,2,3-Trichloropropane	44.3600	5.0	0.40	50.0000	88.7	74 - 123	1.96	20
1,2,3-Trichlorobenzene	46.0200	5.0	0.83	50.0000	92.0	79 - 133	2.73	20
1,2,4-Trichlorobenzene	41.5600	5.0	0.80	50.0000	83.1	73 - 131	2.68	20
1,2,4-Trimethylbenzene	45.6800	5.0	0.91	50.0000	91.4	86 - 137	1.15	20
1,2-Dibromo-3-chloropropane	38.5300	10	1.1	50.0000	77.1	62 - 127	15.0	20
1,2-Dibromoethane	48.3000	5.0	0.40	50.0000	96.6	83 - 126	1.70	20
1,2-Dichlorobenzene	44.2300	5.0	0.21	50.0000	88.5	83 - 123	0.945	20
1,2-Dichloroethane	54.8600	5.0	0.50	50.0000	110	76 - 128	2.29	20
1,2-Dichloropropane	46.6800	5.0	0.46	50.0000	93.4	77 - 121	10.1	20
1,3,5-Trimethylbenzene	44.1700	5.0	0.70	50.0000	88.3	84 - 135	5.33	20
1,3-Dichlorobenzene	43.9700	5.0	0.36	50.0000	87.9	81 - 126	4.25	20
1,3-Dichloropropane	47.1500	5.0	0.49	50.0000	94.3	80 - 118	4.44	20
1,4-Dichlorobenzene	43.6200	5.0	0.27	50.0000	87.2	80 - 124	2.80	20
2,2-Dichloropropane	49.2700	5.0	0.28	50.0000	98.5	72 - 135	0.122	20
2-Chlorotoluene	44.9000	5.0	0.53	50.0000	89.8	81 - 127	4.53	20
4-Chlorotoluene	45.6200	5.0	0.40	50.0000	91.2	83 - 127	3.51	20
4-Isopropyltoluene	43.4300	5.0	0.81	50.0000	86.9	82 - 143	5.99	20
Benzene	49.8800	5.0	0.36	50.0000	99.8	84 - 123	5.06	20
Bromobenzene	44.4100	5.0	0.62	50.0000	88.8	80 - 122	5.48	20
Bromochloromethane	48.7800	5.0	0.30	50.0000	97.6	83 - 127	11.1	20
Bromodichloromethane	53.2600	5.0	0.52	50.0000	107	82 - 123	0.659	20
Bromoform	48.2600	5.0	1.4	50.0000	96.5	80 - 132	3.87	20
Bromomethane	73.0300	5.0	2.5	50.0000	146	67 - 176	3.00	20
Carbon disulfide	51.7900	5.0	0.94	50.0000	104	75 - 138	4.82	20
Carbon tetrachloride	51.7400	5.0	0.73	50.0000	103	76 - 131	4.77	20
Chlorobenzene	46.5500	5.0	0.42	50.0000	93.1	84 - 119	5.97	20
Chloroethane	61.2100	5.0	1.5	50.0000	122	56 - 170	5.49	20
Chloroform	53.4600	5.0	0.24	50.0000	107	78 - 129	0.450	20
Chloromethane	48.0300	5.0	1.1	50.0000	96.1	63 - 141	9.28	20
cis-1,2-Dichloroethene	38.6000	5.0	0.20	50.0000	77.2	83 - 125	1.94	20
cis-1,3-Dichloropropene	41.2700	5.0	0.39	50.0000	82.5	76 - 129	2.33	20

L3



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/21/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1186 - MSVOA\_S (continued)**

**LCS Dup (B2C1186-BSD1) - Continued**

Prepared: 3/16/2022 Analyzed: 3/16/2022

Di-isopropyl ether	47.1300	5.0	1.9	50.0000		94.3	73 - 132	7.58	20	
Dibromochloromethane	45.5900	5.0	0.81	50.0000		91.2	81 - 120	5.55	20	
Dibromomethane	49.3000	5.0	0.23	50.0000		98.6	79 - 124	7.06	20	
Dichlorodifluoromethane	43.1700	5.0	0.14	50.0000		86.3	18 - 199	2.80	20	
Ethyl Acetate	21.4800	50	7.0	500.000		4.30	76 - 138	9.36	20	MO
Ethyl Ether	593.250	50	17	500.000		119	74 - 128	4.34	20	
Ethyl tert-butyl ether	46.0500	5.0	0.85	50.0000		92.1	50 - 175	3.31	20	
Ethylbenzene	47.0700	5.0	0.43	50.0000		94.1	86 - 130	1.89	20	
Freon-113	55.0200	5.0	1.3	50.0000		110	66 - 132	6.63	20	
Hexachlorobutadiene	45.8100	5.0	0.40	50.0000		91.6	64 - 135	2.97	20	
Isopropylbenzene	44.9000	5.0	0.79	50.0000		89.8	80 - 133	6.19	20	
m,p-Xylene	93.2100	10	0.98	100.000		93.2	89 - 133	2.06	20	
Methylene chloride	51.2200	5.0	2.2	50.0000		102	72 - 143	4.70	20	
MTBE	46.6400	5.0	0.81	50.0000		93.3	73 - 136	4.31	20	
n-Butylbenzene	44.3400	5.0	1.2	50.0000		88.7	76 - 144	6.06	20	
n-Propylbenzene	44.8700	5.0	0.78	50.0000		89.7	81 - 136	3.80	20	
Naphthalene	40.7400	5.0	1.1	50.0000		81.5	64 - 128	3.12	20	
o-Xylene	46.2500	5.0	0.67	50.0000		92.5	82 - 134	1.27	20	
sec-Butylbenzene	44.7900	5.0	0.63	50.0000		89.6	81 - 138	3.85	20	
Styrene	46.2700	5.0	0.45	50.0000		92.5	79 - 152	3.70	20	
tert-Amyl methyl ether	46.7200	5.0	1.1	50.0000		93.4	48 - 166	5.81	20	
tert-Butanol	187.910	100	11	250.000		75.2	48 - 148	16.5	20	
tert-Butylbenzene	43.1800	5.0	0.80	50.0000		86.4	81 - 135	8.85	20	
Tetrachloroethene	47.2900	5.0	0.31	50.0000		94.6	75 - 127	0.636	20	
Toluene	50.2900	5.0	0.27	50.0000		101	88 - 130	5.64	20	
trans-1,2-Dichloroethene	67.4100	5.0	0.56	50.0000		135	79 - 127	4.51	20	L4
trans-1,3-Dichloropropene	49.3100	5.0	0.59	50.0000		98.6	80 - 130	11.7	20	
Trichloroethene	49.3500	5.0	0.32	50.0000		98.7	83 - 126	0.712	20	
Trichlorofluoromethane	59.8800	5.0	1.0	50.0000		120	62 - 143	0.117	20	
Vinyl acetate	29.5000	50	6.0	500.000		5.90	69 - 150	6.26	20	MO
Vinyl chloride	55.8600	5.0	0.92	50.0000		112	69 - 140	4.11	20	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>55.36</i>			<i>50.0000</i>		<i>111</i>	<i>66 - 200</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.06</i>			<i>50.0000</i>		<i>102</i>	<i>50 - 146</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>56.79</i>			<i>50.0000</i>		<i>114</i>	<i>77 - 159</i>			
<i>Surrogate: Toluene-d8</i>	<i>48.52</i>			<i>50.0000</i>		<i>97.0</i>	<i>81 - 128</i>			



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38<sup>o</sup>C

FROM: GSI Environmental Inc.  
19200 Von Karman Ave, Suite 800  
Irvine, CA 92612  
(949) 679-1070

PROJECT NAME: Ontario Airport

PROJECT CONTACT: Vinnie Robino / Josh Voss

GLOBAL ID:

PROJECT NO.: 5925

LAB CONTACT: Victoria Michel

SAMPLER(S): (PRINT)  
Tian Novin / Josh Voss

**REQUESTED ANALYSES**  
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING TIME		MATRIX	NO. OF CONT.	Preservation		Requested Analyses																	
		DATE	TIME			Unpreserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051									
	1 61W-10-2-1	3/11/22	0750	Soil	1	1		X																	
	2 61W-10-2-5.5		0800		5	4			X																
	3 61W-10-1-1		0830		1				X																
	4 61W-10-1-5.5		0840		5	4			X																
	5 61W-24-2-1		0934		1				X																
	6 61W-24-2-5.5		0942		5	4			X																
	7 61W-24-3-1		1003		1				X																
	8 61W-24-3-5.5		1012		5	4			X																
	9 61W-24-4-1		1040		1				X																
	10 61W-24-4-5.5		1054		5	4			X																
	11 61W-24-5-1		1126		1				X																
	12 61W-24-5-5.5		1138		5	4			X																
	13 61W-24-6-1		1210		1				X																
	14 61W-24-6-5.5		1228		5	4			X																
	15 TB-20220311		1311	water	4	4																			

TURNAROUND TIME:  SAME DAY  24 HR  48 HR  STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

LABORATORY: Advanced Technology Laboratories

E-MAIL: vprobinog@gsi-net.com / jvoss@gsi-net.com

RECEIVED BY (SIGNATURE): Tian Novin

RECEIVED BY (SIGNATURE): [Signature]

RECEIVED BY (SIGNATURE): [Signature]

DATE: 3/11/22 TIME: 1446

DATE: 3/11/22 TIME: 1656

DATE: 3/11/22 TIME: 1656

22-00353

FROM: GSI Environmental Inc.  
19200 Von Karman Ave, Suite 800  
Irvine, CA 92612  
(949) 679-1070

PROJECT NAME: Ontario Airport

PROJECT CONTACT: Vinnie Robino / Josh Voss

GLOBAL ID:

PROJECT NO.: 5925

LAB CONTACT: Victoria Michel

SAMPLER(S): (PRINT)  
Tiam Novin / Josh Voss

**REQUESTED ANALYSES**  
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	PRESERVATION			T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	
		DATE	TIME			Unpreserved	Preserved	Field Filtered										
16	61W-26-1-1	3/11/22	1315	Soil	1	1			X									
17	61W-26-1-5.5	3/11/22	1322	Soil	5	1	4		X	X								

TURNAROUND TIME:  SAME DAY  24 HR  48 HR  STANDARD

SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32

LABORATORY: Advanced Technology Laboratories

E-MAIL: vprobino@gsi-net.com / jvoss@gsi-net.com

Relinquished by: (Signature) *Tiam Novin* Date: 3/11/22 Time: 1446

Relinquished by: (Signature) *Tiam Novin* Date: 3/11/22 Time: 1656

Relinquished by: (Signature) *Tiam Novin* Date: 3/11/22 Time: 1656

May 16, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200373

Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 14, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 05/16/22 10:28 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
62-13-5-1	2200373-01	Soil	3/14/22 8:14	3/14/22 18:51
62-13-5-5.5	2200373-02	Soil	3/14/22 8:26	3/14/22 18:51
62-13-7-1	2200373-03	Soil	3/14/22 8:55	3/14/22 18:51
62-13-7-5.5	2200373-04	Soil	3/14/22 9:10	3/14/22 18:51
62-13-6-1	2200373-05	Soil	3/14/22 9:38	3/14/22 18:51
62-13-6-5.5	2200373-06	Soil	3/14/22 9:46	3/14/22 18:51
62-13-4-1	2200373-07	Soil	3/14/22 10:38	3/14/22 18:51
62-13-4-5.5	2200373-08	Soil	3/14/22 10:48	3/14/22 18:51
62-13-1-1	2200373-09	Soil	3/14/22 11:42	3/14/22 18:51
62-13-1-5.5	2200373-10	Soil	3/14/22 11:50	3/14/22 18:51
62-13-3-1	2200373-11	Soil	3/14/22 13:04	3/14/22 18:51
62-13-3-5.5	2200373-12	Soil	3/14/22 13:12	3/14/22 18:51
62-13-2-1	2200373-13	Soil	3/14/22 13:38	3/14/22 18:51
62-13-2-5.5	2200373-14	Soil	3/14/22 13:44	3/14/22 18:51
TB_20220314	2200373-15	Water	3/14/22 13:55	3/14/22 18:51
EB_20220314	2200373-16	Water	3/14/22 14:20	3/14/22 18:51



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Reported : 05/16/2022

### Notes and Definitions

S10	Surrogate recovery was outside of laboratory acceptance limit due to possible matrix interference.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



## Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

### Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200373-01	62-13-5-1	ND	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22	12:00	
2200373-03	62-13-7-1	ND	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22	12:14	
2200373-05	62-13-6-1	ND	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22	12:18	
2200373-07	62-13-4-1	ND	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22	12:20	
2200373-09	62-13-1-1	ND	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22	12:29	
2200373-11	62-13-3-1	ND	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22	12:32	
2200373-13	62-13-2-1	ND	mg/kg	0.10	1	B2C1226	03/17/2022	03/18/22	12:35	

Client Sample ID: 62-13-5-1

Lab ID: 2200373-01

### Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time		Notes
						Analized		
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22	12:47	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
<b>Barium</b>	<b>96</b>	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
<b>Beryllium</b>	<b>2.1</b>	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
<b>Cobalt</b>	<b>4.7</b>	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
<b>Copper</b>	<b>9.8</b>	2.0	1	B2C1228	03/17/2022	03/18/22	12:47	
<b>Lead</b>	<b>2.2</b>	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
<b>Nickel</b>	<b>5.7</b>	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
<b>Silver</b>	<b>4.5</b>	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
<b>Vanadium</b>	<b>26</b>	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	
<b>Zinc</b>	<b>34</b>	1.0	1	B2C1228	03/17/2022	03/18/22	12:47	



## Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-5-5.5**  
**Lab ID: 2200373-02**

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 22:59	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>71.9 %</i>	<i>12 - 125</i>		B2C1211	03/16/2022	<i>03/18/22 22:59</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>89.2 %</i>	<i>14 - 139</i>		B2C1211	03/16/2022	<i>03/18/22 22:59</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>63.9 %</i>	<i>8 - 155</i>		B2C1211	03/16/2022	<i>03/18/22 22:59</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>108 %</i>	<i>16 - 152</i>		B2C1211	03/16/2022	<i>03/18/22 22:59</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 16:53	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 16:53	
<i>Surrogate: p-Terphenyl</i>	<i>97.5 %</i>	<i>62 - 141</i>		B2C1215	03/16/2022	<i>03/17/22 16:53</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,1,1-Trichloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,1,2-Trichloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-5-5.5**  
**Lab ID: 2200373-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,1-Dichloroethene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,1-Dichloropropene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2,3-Trichloropropane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2-Dibromo-3-chloropropane	ND	9.0	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2-Dibromoethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2-Dichlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2-Dichloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,2-Dichloropropane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,3-Dichlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,3-Dichloropropane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
1,4-Dichlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
2,2-Dichloropropane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
2-Chlorotoluene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
4-Chlorotoluene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
4-Isopropyltoluene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Benzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Bromobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Bromochloromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Bromodichloromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Bromoform	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Bromomethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Carbon disulfide	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Carbon tetrachloride	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Chlorobenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Chloroethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Chloroform	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Chloromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Di-isopropyl ether	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Dibromochloromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Dibromomethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Dichlorodifluoromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Ethyl Acetate	ND	45	1	B2C1222	03/17/2022	03/17/22 14:06	
Ethyl Ether	ND	45	1	B2C1222	03/17/2022	03/17/22 14:06	





## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

**Client Sample ID: 62-13-5-5.5**

**Lab ID: 2200373-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Ethylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Freon-113	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Hexachlorobutadiene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Isopropylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
m,p-Xylene	ND	9.0	1	B2C1222	03/17/2022	03/17/22 14:06	
Methylene chloride	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
MTBE	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
n-Butylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
n-Propylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Naphthalene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
o-Xylene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
sec-Butylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Styrene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
tert-Amyl methyl ether	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
tert-Butanol	ND	90	1	B2C1222	03/17/2022	03/17/22 14:06	
tert-Butylbenzene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Tetrachloroethene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Toluene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Trichloroethene	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Trichlorofluoromethane	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
Vinyl acetate	ND	45	1	B2C1222	03/17/2022	03/17/22 14:06	
Vinyl chloride	ND	4.5	1	B2C1222	03/17/2022	03/17/22 14:06	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>133 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	03/17/22 14:06	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.6 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	03/17/22 14:06	
<i>Surrogate: Dibromofluoromethane</i>	<i>96.7 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	03/17/22 14:06	
<i>Surrogate: Toluene-d8</i>	<i>104 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	03/17/22 14:06	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1334	03/22/2022	03/22/22 13:54	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>100 %</i>	<i>47.6 - 121.18</i>		B2C1334	03/22/2022	03/22/22 13:54	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-7-1**  
**Lab ID: 2200373-03**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
<b>Barium</b>	<b>120</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
<b>Beryllium</b>	<b>2.6</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
<b>Chromium</b>	<b>16</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
<b>Cobalt</b>	<b>5.7</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
<b>Copper</b>	<b>11</b>	2.0	1	B2C1228	03/17/2022	03/18/22 12:52	
<b>Lead</b>	<b>2.8</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
<b>Nickel</b>	<b>6.8</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
<b>Silver</b>	<b>5.7</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	
<b>Zinc</b>	<b>41</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:52	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-7-5.5**  
**Lab ID: 2200373-04**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:25	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>74.7 %</i>	<i>12 - 125</i>		B2C1211	03/16/2022	03/18/22 23:25	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>92.3 %</i>	<i>14 - 139</i>		B2C1211	03/16/2022	03/18/22 23:25	
<i>Surrogate: Nitrobenzene-d5</i>	<i>67.1 %</i>	<i>8 - 155</i>		B2C1211	03/16/2022	03/18/22 23:25	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>113 %</i>	<i>16 - 152</i>		B2C1211	03/16/2022	03/18/22 23:25	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 17:29	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 17:29	
<i>Surrogate: p-Terphenyl</i>	<i>101 %</i>	<i>62 - 141</i>		B2C1215	03/16/2022	03/17/22 17:29	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,1,1-Trichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,1,2-Trichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-7-5.5**  
**Lab ID: 2200373-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,1-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,1-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2,3-Trichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2-Dibromoethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2-Dichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,2-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,3-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,3-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
1,4-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
2,2-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
2-Chlorotoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
4-Chlorotoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
4-Isopropyltoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Benzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Bromobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Bromochloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Bromodichloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Bromoform	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Bromomethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Carbon disulfide	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Carbon tetrachloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Chlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Chloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Chloroform	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Chloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Di-isopropyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Dibromochloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Dibromomethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Dichlorodifluoromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Ethyl Acetate	ND	44	1	B2C1222	03/17/2022	03/17/22 14:32	
Ethyl Ether	ND	44	1	B2C1222	03/17/2022	03/17/22 14:32	



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-7-5.5**

**Lab ID: 2200373-04**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Ethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Freon-113	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Hexachlorobutadiene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Isopropylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
m,p-Xylene	ND	8.9	1	B2C1222	03/17/2022	03/17/22 14:32	
Methylene chloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
MTBE	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
n-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
n-Propylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Naphthalene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
o-Xylene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
sec-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Styrene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
tert-Amyl methyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
tert-Butanol	ND	89	1	B2C1222	03/17/2022	03/17/22 14:32	
tert-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Tetrachloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Toluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Trichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Trichlorofluoromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
Vinyl acetate	ND	44	1	B2C1222	03/17/2022	03/17/22 14:32	
Vinyl chloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:32	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>155 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	03/17/22 14:32	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>104 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	03/17/22 14:32	
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	03/17/22 14:32	
<i>Surrogate: Toluene-d8</i>	<i>106 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	03/17/22 14:32	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1334	03/22/2022	03/22/22 14:18	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>104 %</i>	<i>47.6 - 121.18</i>		B2C1334	03/22/2022	03/22/22 14:18	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-6-1**  
**Lab ID: 2200373-05**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
<b>Barium</b>	<b>110</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
<b>Beryllium</b>	<b>2.3</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
<b>Cobalt</b>	<b>5.5</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
<b>Copper</b>	<b>9.9</b>	2.0	1	B2C1228	03/17/2022	03/18/22 12:53	
<b>Lead</b>	<b>2.6</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
<b>Nickel</b>	<b>6.5</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
<b>Silver</b>	<b>5.1</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
<b>Vanadium</b>	<b>30</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	
<b>Zinc</b>	<b>38</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:53	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-6-5.5**  
**Lab ID: 2200373-06**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/18/22 23:52	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>77.6 %</i>	<i>12 - 125</i>		B2C1211	03/16/2022	<i>03/18/22 23:52</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>89.6 %</i>	<i>14 - 139</i>		B2C1211	03/16/2022	<i>03/18/22 23:52</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>68.3 %</i>	<i>8 - 155</i>		B2C1211	03/16/2022	<i>03/18/22 23:52</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>109 %</i>	<i>16 - 152</i>		B2C1211	03/16/2022	<i>03/18/22 23:52</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 17:49	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 17:49	
<i>Surrogate: p-Terphenyl</i>	<i>101 %</i>	<i>62 - 141</i>		B2C1215	03/16/2022	<i>03/17/22 17:49</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,1,1-Trichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,1,2-Trichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-6-5.5**  
**Lab ID: 2200373-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,1-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,1-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2,3-Trichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2-Dibromo-3-chloropropane	ND	8.8	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2-Dibromoethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2-Dichloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,2-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,3-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,3-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
1,4-Dichlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
2,2-Dichloropropane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
2-Chlorotoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
4-Chlorotoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
4-Isopropyltoluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Benzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Bromobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Bromochloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Bromodichloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Bromoform	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Bromomethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Carbon disulfide	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Carbon tetrachloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Chlorobenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Chloroethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Chloroform	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Chloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Di-isopropyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Dibromochloromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Dibromomethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Dichlorodifluoromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Ethyl Acetate	ND	44	1	B2C1222	03/17/2022	03/17/22 14:57	
Ethyl Ether	ND	44	1	B2C1222	03/17/2022	03/17/22 14:57	





## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-6-5.5**

**Lab ID: 2200373-06**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Ethylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Freon-113	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Hexachlorobutadiene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Isopropylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
m,p-Xylene	ND	8.8	1	B2C1222	03/17/2022	03/17/22 14:57	
Methylene chloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
MTBE	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
n-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
n-Propylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Naphthalene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
o-Xylene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
sec-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Styrene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
tert-Amyl methyl ether	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
tert-Butanol	ND	88	1	B2C1222	03/17/2022	03/17/22 14:57	
tert-Butylbenzene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Tetrachloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Toluene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Trichloroethene	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Trichlorofluoromethane	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
Vinyl acetate	ND	44	1	B2C1222	03/17/2022	03/17/22 14:57	
Vinyl chloride	ND	4.4	1	B2C1222	03/17/2022	03/17/22 14:57	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>152 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	03/17/22 14:57	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	03/17/22 14:57	
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	03/17/22 14:57	
<i>Surrogate: Toluene-d8</i>	<i>112 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	03/17/22 14:57	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C1334	03/22/2022	03/22/22 14:43	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>105 %</i>	<i>47.6 - 121.18</i>		B2C1334	03/22/2022	03/22/22 14:43	



# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-4-1**  
**Lab ID: 2200373-07**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
<b>Barium</b>	<b>120</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
<b>Beryllium</b>	<b>2.8</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
<b>Chromium</b>	<b>17</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
<b>Cobalt</b>	<b>6.1</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
<b>Copper</b>	<b>12</b>	2.0	1	B2C1228	03/17/2022	03/18/22 12:55	
<b>Lead</b>	<b>2.9</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
<b>Nickel</b>	<b>7.3</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
<b>Silver</b>	<b>6.1</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
<b>Vanadium</b>	<b>35</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	
<b>Zinc</b>	<b>42</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:55	



## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/16/2022

**Client Sample ID: 62-13-4-5.5**  
**Lab ID: 2200373-08**

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:18	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	76.2 %	12 - 125		B2C1211	03/16/2022	03/19/22 00:18	
<i>Surrogate: 2-Fluorobiphenyl</i>	85.7 %	14 - 139		B2C1211	03/16/2022	03/19/22 00:18	
<i>Surrogate: Nitrobenzene-d5</i>	65.3 %	8 - 155		B2C1211	03/16/2022	03/19/22 00:18	
<i>Surrogate: 4-Terphenyl-d14</i>	94.1 %	16 - 152		B2C1211	03/16/2022	03/19/22 00:18	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 18:10	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 18:10	
<i>Surrogate: p-Terphenyl</i>	95.4 %	62 - 141		B2C1215	03/16/2022	03/17/22 18:10	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,1,1-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,1,2-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-4-5.5**  
**Lab ID: 2200373-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,1-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,1-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2,3-Trichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2-Dibromoethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,3-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,3-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
1,4-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
2,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
2-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
4-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
4-Isopropyltoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Benzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Bromobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Bromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Bromodichloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Bromoform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Bromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Carbon disulfide	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Carbon tetrachloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Chlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Chloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Chloroform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Chloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Di-isopropyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Dibromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Dibromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Dichlorodifluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Ethyl Acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 15:23	
Ethyl Ether	ND	43	1	B2C1222	03/17/2022	03/17/22 15:23	



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-4-5.5**  
**Lab ID: 2200373-08**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Ethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Freon-113	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Hexachlorobutadiene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Isopropylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
m,p-Xylene	ND	8.6	1	B2C1222	03/17/2022	03/17/22 15:23	
Methylene chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
MTBE	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
n-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
n-Propylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Naphthalene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
o-Xylene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
sec-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Styrene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
tert-Amyl methyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
tert-Butanol	ND	86	1	B2C1222	03/17/2022	03/17/22 15:23	
tert-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Tetrachloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Toluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Trichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Trichlorofluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
Vinyl acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 15:23	
Vinyl chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 15:23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>147 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	03/17/22 15:23	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	03/17/22 15:23	
<i>Surrogate: Dibromofluoromethane</i>	<i>106 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	03/17/22 15:23	
<i>Surrogate: Toluene-d8</i>	<i>112 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	03/17/22 15:23	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.88	1	B2C1334	03/22/2022	03/22/22 15:08	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.6 %</i>	<i>47.6 - 121.18</i>		B2C1334	03/22/2022	03/22/22 15:08	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-1-1**  
**Lab ID: 2200373-09**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
<b>Barium</b>	<b>120</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
<b>Beryllium</b>	<b>2.9</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
<b>Chromium</b>	<b>17</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
<b>Cobalt</b>	<b>6.2</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
<b>Copper</b>	<b>11</b>	2.0	1	B2C1228	03/17/2022	03/18/22 12:56	
<b>Lead</b>	<b>2.9</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
<b>Nickel</b>	<b>7.3</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
<b>Silver</b>	<b>6.2</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
<b>Vanadium</b>	<b>35</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	
<b>Zinc</b>	<b>44</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:56	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-1-5.5**  
**Lab ID: 2200373-10**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 00:45	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>68.8 %</i>	<i>12 - 125</i>		B2C1211	03/16/2022	<i>03/19/22 00:45</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>80.2 %</i>	<i>14 - 139</i>		B2C1211	03/16/2022	<i>03/19/22 00:45</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>59.6 %</i>	<i>8 - 155</i>		B2C1211	03/16/2022	<i>03/19/22 00:45</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>104 %</i>	<i>16 - 152</i>		B2C1211	03/16/2022	<i>03/19/22 00:45</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 18:31	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 18:31	
<i>Surrogate: p-Terphenyl</i>	<i>105 %</i>	<i>62 - 141</i>		B2C1215	03/16/2022	<i>03/17/22 18:31</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,1,1-Trichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,1,2-Trichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-1-5.5**  
**Lab ID: 2200373-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,1-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,1-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2,3-Trichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2-Dibromoethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2-Dichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,2-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,3-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,3-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
1,4-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
2,2-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
2-Chlorotoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
4-Chlorotoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
4-Isopropyltoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Benzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Bromobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Bromochloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Bromodichloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Bromoform	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Bromomethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Carbon disulfide	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Carbon tetrachloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Chlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Chloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Chloroform	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Chloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Di-isopropyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Dibromochloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Dibromomethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Dichlorodifluoromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Ethyl Acetate	ND	47	1	B2C1222	03/17/2022	03/17/22 15:49	
Ethyl Ether	ND	47	1	B2C1222	03/17/2022	03/17/22 15:49	





# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-1-5.5**

**Lab ID: 2200373-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Ethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Freon-113	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Hexachlorobutadiene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Isopropylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
m,p-Xylene	ND	9.4	1	B2C1222	03/17/2022	03/17/22 15:49	
Methylene chloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
MTBE	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
n-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
n-Propylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Naphthalene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
o-Xylene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
sec-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Styrene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
tert-Amyl methyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
tert-Butanol	ND	94	1	B2C1222	03/17/2022	03/17/22 15:49	
tert-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Tetrachloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Toluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Trichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Trichlorofluoromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
Vinyl acetate	ND	47	1	B2C1222	03/17/2022	03/17/22 15:49	
Vinyl chloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 15:49	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>159 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	03/17/22 15:49	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.0 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	03/17/22 15:49	
<i>Surrogate: Dibromofluoromethane</i>	<i>108 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	03/17/22 15:49	
<i>Surrogate: Toluene-d8</i>	<i>108 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	03/17/22 15:49	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1334	03/22/2022	03/22/22 15:32	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>47.6 - 121.18</i>		B2C1334	03/22/2022	03/22/22 15:32	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-3-1**  
**Lab ID: 2200373-11**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
<b>Barium</b>	<b>110</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
<b>Beryllium</b>	<b>2.8</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
<b>Chromium</b>	<b>16</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
<b>Cobalt</b>	<b>6.1</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
<b>Copper</b>	<b>14</b>	2.0	1	B2C1228	03/17/2022	03/18/22 12:58	
<b>Lead</b>	<b>2.7</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
<b>Nickel</b>	<b>7.0</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
<b>Silver</b>	<b>6.1</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	
<b>Zinc</b>	<b>42</b>	1.0	1	B2C1228	03/17/2022	03/18/22 12:58	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-3-5.5**  
**Lab ID: 2200373-12**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:11	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	74.6 %	12 - 125		B2C1211	03/16/2022	03/19/22 01:11	
<i>Surrogate: 2-Fluorobiphenyl</i>	86.5 %	14 - 139		B2C1211	03/16/2022	03/19/22 01:11	
<i>Surrogate: Nitrobenzene-d5</i>	65.8 %	8 - 155		B2C1211	03/16/2022	03/19/22 01:11	
<i>Surrogate: 4-Terphenyl-d14</i>	113 %	16 - 152		B2C1211	03/16/2022	03/19/22 01:11	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 18:51	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 18:51	
<i>Surrogate: p-Terphenyl</i>	123 %	62 - 141		B2C1215	03/16/2022	03/17/22 18:51	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,1,1-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,1,2-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-3-5.5**  
**Lab ID: 2200373-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,1-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,1-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2,3-Trichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2-Dibromo-3-chloropropane	ND	8.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2-Dibromoethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,3-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,3-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
1,4-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
2,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
2-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
4-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
4-Isopropyltoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Benzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Bromobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Bromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Bromodichloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Bromoform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Bromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Carbon disulfide	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Carbon tetrachloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Chlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Chloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Chloroform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Chloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Di-isopropyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Dibromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Dibromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Dichlorodifluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Ethyl Acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 16:14	
Ethyl Ether	ND	41	1	B2C1222	03/17/2022	03/17/22 16:14	



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-3-5.5**  
**Lab ID: 2200373-12**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Ethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Freon-113	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Hexachlorobutadiene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Isopropylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
m,p-Xylene	ND	8.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Methylene chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
MTBE	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
n-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
n-Propylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Naphthalene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
o-Xylene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
sec-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Styrene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
tert-Amyl methyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
tert-Butanol	ND	81	1	B2C1222	03/17/2022	03/17/22 16:14	
tert-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Tetrachloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Toluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Trichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Trichlorofluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
Vinyl acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 16:14	
Vinyl chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:14	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>152 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	03/17/22 16:14	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>104 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	03/17/22 16:14	
<i>Surrogate: Dibromofluoromethane</i>	<i>101 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	03/17/22 16:14	
<i>Surrogate: Toluene-d8</i>	<i>111 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	03/17/22 16:14	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.80	1	B2C1334	03/22/2022	03/22/22 15:57	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>107 %</i>	<i>47.6 - 121.18</i>		B2C1334	03/22/2022	03/22/22 15:57	



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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-2-1**  
**Lab ID: 2200373-13**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Arsenic	ND	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
<b>Barium</b>	<b>130</b>	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
<b>Beryllium</b>	<b>2.8</b>	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Cadmium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
<b>Chromium</b>	<b>18</b>	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
<b>Cobalt</b>	<b>6.5</b>	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
<b>Copper</b>	<b>12</b>	2.0	1	B2C1228	03/17/2022	03/18/22 13:03	
<b>Lead</b>	<b>2.9</b>	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Molybdenum	ND	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
<b>Nickel</b>	<b>7.7</b>	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Selenium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
<b>Silver</b>	<b>6.0</b>	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
Thallium	ND	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
<b>Vanadium</b>	<b>36</b>	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	
<b>Zinc</b>	<b>45</b>	1.0	1	B2C1228	03/17/2022	03/18/22 13:03	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-2-5.5**

**Lab ID: 2200373-14**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

**Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Acenaphthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Acenaphthylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Benzo(a)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Benzo(a)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Benzo(b)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Benzo(k)fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Chrysene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Fluoranthene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Fluorene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Naphthalene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Phenanthrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
Pyrene	ND	5.0	1	B2C1211	03/16/2022	03/19/22 01:38	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>80.6 %</i>	<i>12 - 125</i>		B2C1211	03/16/2022	<i>03/19/22 01:38</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>92.2 %</i>	<i>14 - 139</i>		B2C1211	03/16/2022	<i>03/19/22 01:38</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>70.7 %</i>	<i>8 - 155</i>		B2C1211	03/16/2022	<i>03/19/22 01:38</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>112 %</i>	<i>16 - 152</i>		B2C1211	03/16/2022	<i>03/19/22 01:38</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1215	03/16/2022	03/17/22 19:12	
C23-C32	ND	10	1	B2C1215	03/16/2022	03/17/22 19:12	
<i>Surrogate: p-Terphenyl</i>	<i>115 %</i>	<i>62 - 141</i>		B2C1215	03/16/2022	<i>03/17/22 19:12</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,1,1-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,1,2-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	



# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-2-5.5**  
**Lab ID: 2200373-14**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,1-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,1-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2,3-Trichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2-Dibromoethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,3-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,3-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
1,4-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
2,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
2-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
4-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
4-Isopropyltoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Benzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Bromobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Bromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Bromodichloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Bromoform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Bromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Carbon disulfide	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Carbon tetrachloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Chlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Chloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Chloroform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Chloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Di-isopropyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Dibromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Dibromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Dichlorodifluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Ethyl Acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 16:40	
Ethyl Ether	ND	41	1	B2C1222	03/17/2022	03/17/22 16:40	





## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

**Client Sample ID: 62-13-2-5.5**

**Lab ID: 2200373-14**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Ethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Freon-113	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Hexachlorobutadiene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Isopropylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
m,p-Xylene	ND	8.2	1	B2C1222	03/17/2022	03/17/22 16:40	
Methylene chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
MTBE	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
n-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
n-Propylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Naphthalene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
o-Xylene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
sec-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Styrene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
tert-Amyl methyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
tert-Butanol	ND	82	1	B2C1222	03/17/2022	03/17/22 16:40	
tert-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Tetrachloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Toluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Trichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Trichlorofluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
Vinyl acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 16:40	
Vinyl chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 16:40	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>155 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	03/17/22 16:40	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	03/17/22 16:40	
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	03/17/22 16:40	
<i>Surrogate: Toluene-d8</i>	<i>113 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	03/17/22 16:40	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1334	03/22/2022	03/22/22 16:21	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>100 %</i>	<i>47.6 - 121.18</i>		B2C1334	03/22/2022	03/22/22 16:21	



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Reported : 05/16/2022

### QUALITY CONTROL SECTION

#### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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#### Batch B2C1211 - MSSEMI\_S

##### Blank (B2C1211-BLK1)

Prepared: 3/16/2022 Analyzed: 3/18/2022

2-Methylnaphthalene	ND	5.0	0.60
Acenaphthene	ND	5.0	0.41
Acenaphthylene	ND	5.0	0.41
Anthracene	ND	5.0	0.56
Benzo(a)anthracene	ND	5.0	0.56
Benzo(a)pyrene	ND	5.0	0.69
Benzo(b)fluoranthene	ND	5.0	2.2
Benzo(g,h,i)perylene	ND	5.0	0.80
Benzo(k)fluoranthene	ND	5.0	0.70
Chrysene	ND	5.0	0.61
Dibenz(a,h)anthracene	ND	5.0	0.88
Fluoranthene	ND	5.0	0.45
Fluorene	ND	5.0	0.35
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82
Naphthalene	ND	5.0	0.56
Phenanthrene	ND	5.0	0.34
Pyrene	ND	5.0	0.51

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	49.00		66.6667	73.5	12 - 125
<i>Surrogate: 2-Fluorobiphenyl</i>	60.06		66.6667	90.1	14 - 139
<i>Surrogate: Nitrobenzene-d5</i>	44.45		66.6667	66.7	8 - 155
<i>Surrogate: 4-Terphenyl-d14</i>	72.39		66.6667	109	16 - 152

##### LCS (B2C1211-BS1)

Prepared: 3/16/2022 Analyzed: 3/18/2022

2-Methylnaphthalene	50.0840	5.0	0.60	66.6667	75.1	39 - 92	
Acenaphthene	58.8033	5.0	0.41	66.6667	88.2	35 - 94	
Acenaphthylene	63.0480	5.0	0.41	66.6667	94.6	31 - 101	
Anthracene	69.0260	5.0	0.56	66.6667	104	37 - 95	L3
Benzo(a)anthracene	75.8087	5.0	0.56	66.6667	114	43 - 102	L3
Benzo(a)pyrene	80.1300	5.0	0.69	66.6667	120	38 - 95	L3
Benzo(b)fluoranthene	75.9947	5.0	2.2	66.6667	114	44 - 102	L3
Benzo(g,h,i)perylene	70.3453	5.0	0.80	66.6667	106	34 - 114	
Benzo(k)fluoranthene	73.6680	5.0	0.70	66.6667	111	34 - 110	L3
Chrysene	75.4380	5.0	0.61	66.6667	113	46 - 101	L3
Dibenz(a,h)anthracene	74.1327	5.0	0.88	66.6667	111	35 - 117	
Fluoranthene	74.7813	5.0	0.45	66.6667	112	46 - 107	L3
Fluorene	62.7607	5.0	0.35	66.6667	94.1	35 - 98	
Indeno(1,2,3-cd)pyrene	72.1820	5.0	0.82	66.6667	108	35 - 114	
Naphthalene	49.4533	5.0	0.56	66.6667	74.2	39 - 86	
Phenanthrene	69.5907	5.0	0.34	66.6667	104	43 - 98	L3
Pyrene	73.2393	5.0	0.51	66.6667	110	44 - 108	L3

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	49.14		66.6667	73.7	12 - 125
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### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B2C1211 - MSSEMI\_S (continued)

#### LCS (B2C1211-BS1) - Continued

Prepared: 3/16/2022 Analyzed: 3/18/2022

Surrogate: 2-Fluorobiphenyl	57.95		66.6667	86.9	14 - 139
Surrogate: Nitrobenzene-d5	45.84		66.6667	68.8	8 - 155
Surrogate: 4-Terphenyl-d14	75.32		66.6667	113	16 - 152

#### Matrix Spike (B2C1211-MS1)

Source: 2200373-04

Prepared: 3/16/2022 Analyzed: 3/18/2022

2-Methylnaphthalene	55.0393	5.0	0.60	66.6667	ND	82.6	43 - 120
Acenaphthene	65.3260	5.0	0.41	66.6667	ND	98.0	52 - 113
Acenaphthylene	69.7967	5.0	0.41	66.6667	0.977333	103	44 - 126
Anthracene	72.9880	5.0	0.56	66.6667	ND	109	49 - 128
Benzo(a)anthracene	78.6653	5.0	0.56	66.6667	ND	118	32 - 158
Benzo(a)pyrene	82.9860	5.0	0.69	66.6667	ND	124	39 - 137
Benzo(b)fluoranthene	77.7027	5.0	2.2	66.6667	ND	117	52 - 132
Benzo(g,h,i)perylene	73.6180	5.0	0.80	66.6667	ND	110	35 - 162
Benzo(k)fluoranthene	76.6333	5.0	0.70	66.6667	ND	115	18 - 153
Chrysene	77.4307	5.0	0.61	66.6667	ND	116	25 - 160
Dibenz(a,h)anthracene	77.7113	5.0	0.88	66.6667	ND	117	41 - 155
Fluoranthene	76.4747	5.0	0.45	66.6667	ND	115	5 - 185
Fluorene	68.4480	5.0	0.35	66.6667	ND	103	28 - 135
Indeno(1,2,3-cd)pyrene	75.4653	5.0	0.82	66.6667	ND	113	36 - 162
Naphthalene	53.7027	5.0	0.56	66.6667	ND	80.6	41 - 113
Phenanthrene	72.3187	5.0	0.34	66.6667	ND	108	35 - 143
Pyrene	75.5193	5.0	0.51	66.6667	ND	113	10 - 184

Surrogate: 1,2-Dichlorobenzene-d4	53.38		66.6667	80.1	12 - 125
Surrogate: 2-Fluorobiphenyl	63.76		66.6667	95.6	14 - 139
Surrogate: Nitrobenzene-d5	49.97		66.6667	75.0	8 - 155
Surrogate: 4-Terphenyl-d14	76.74		66.6667	115	16 - 152

#### Matrix Spike Dup (B2C1211-MSD1)

Source: 2200373-04

Prepared: 3/16/2022 Analyzed: 3/18/2022

2-Methylnaphthalene	53.2300	5.0	0.60	66.6667	ND	79.8	43 - 120	3.34	20
Acenaphthene	62.8560	5.0	0.41	66.6667	ND	94.3	52 - 113	3.85	20
Acenaphthylene	67.7780	5.0	0.41	66.6667	0.977333	100	44 - 126	2.93	20
Anthracene	72.1633	5.0	0.56	66.6667	ND	108	49 - 128	1.14	20
Benzo(a)anthracene	76.6313	5.0	0.56	66.6667	ND	115	32 - 158	2.62	20
Benzo(a)pyrene	80.8013	5.0	0.69	66.6667	ND	121	39 - 137	2.67	20
Benzo(b)fluoranthene	76.4467	5.0	2.2	66.6667	ND	115	52 - 132	1.63	20
Benzo(g,h,i)perylene	72.1953	5.0	0.80	66.6667	ND	108	35 - 162	1.95	20
Benzo(k)fluoranthene	75.8053	5.0	0.70	66.6667	ND	114	18 - 153	1.09	20
Chrysene	75.7420	5.0	0.61	66.6667	ND	114	25 - 160	2.20	20
Dibenz(a,h)anthracene	76.3427	5.0	0.88	66.6667	ND	115	41 - 155	1.78	20
Fluoranthene	75.6093	5.0	0.45	66.6667	ND	113	5 - 185	1.14	20
Fluorene	66.5540	5.0	0.35	66.6667	ND	99.8	28 - 135	2.81	20
Indeno(1,2,3-cd)pyrene	74.1387	5.0	0.82	66.6667	ND	111	36 - 162	1.77	20
Naphthalene	52.1927	5.0	0.56	66.6667	ND	78.3	41 - 113	2.85	20
Phenanthrene	71.9887	5.0	0.34	66.6667	ND	108	35 - 143	0.457	20
Pyrene	75.1613	5.0	0.51	66.6667	ND	113	10 - 184	0.475	20



## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/16/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B2C1211 - MSSEMI\_S (continued)

#### Matrix Spike Dup (B2C1211-MSD1) - Continued

Source: 2200373-04

Prepared: 3/16/2022 Analyzed: 3/18/2022

Surrogate: 1,2-Dichlorobenzene-d4	51.20		66.6667		76.8	12 - 125			
Surrogate: 2-Fluorobiphenyl	61.96		66.6667		92.9	14 - 139			
Surrogate: Nitrobenzene-d5	48.46		66.6667		72.7	8 - 155			
Surrogate: 4-Terphenyl-d14	75.72		66.6667		114	16 - 152			



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 Reported : 05/16/2022

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	Limit	Notes
<b>Batch B2C1334 - GCVOA_S</b>									
<b>Blank (B2C1334-BLK1)</b>					Prepared: 3/22/2022 Analyzed: 3/22/2022				
C4-C12	ND	1.0	0.13						
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7777</i>			<i>0.800000</i>		<i>97.2</i>		<i>47.6 - 121.18</i>	
<b>LCS (B2C1334-BS1)</b>					Prepared: 3/22/2022 Analyzed: 3/22/2022				
Gasoline Range Organics	4.95200	1.0	0.13	5.00000		99.0		68.69 - 124.04	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.8212</i>			<i>0.800000</i>		<i>103</i>		<i>47.6 - 121.18</i>	
<b>LCS Dup (B2C1334-BSD1)</b>					Prepared: 3/22/2022 Analyzed: 3/22/2022				
Gasoline Range Organics	4.79500	1.0	0.13	5.00000		95.9	3.22	68.69 - 124.04	20
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.8335</i>			<i>0.800000</i>		<i>104</i>		<i>47.6 - 121.18</i>	



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1228 - EPA 3050B\_S**

**Blank (B2C1228-BLK1)**

Prepared: 3/17/2022 Analyzed: 3/18/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

**LCS (B2C1228-BS1)**

Prepared: 3/17/2022 Analyzed: 3/18/2022

Antimony	23.4321	2.0	0.51	25.0000	93.7	80 - 120
Arsenic	24.1302	1.0	0.12	25.0000	96.5	80 - 120
Barium	23.2771	1.0	0.12	25.0000	93.1	80 - 120
Beryllium	23.4176	1.0	0.03	25.0100	93.6	80 - 120
Cadmium	23.8346	1.0	0.14	25.0000	95.3	80 - 120
Chromium	23.8264	1.0	0.26	25.0000	95.3	80 - 120
Cobalt	25.1965	1.0	0.07	25.0000	101	80 - 120
Copper	23.2760	2.0	0.19	25.0000	93.1	80 - 120
Lead	24.6896	1.0	0.18	25.0000	98.8	80 - 120
Molybdenum	25.2551	1.0	0.12	25.0000	101	80 - 120
Nickel	23.5134	1.0	0.18	25.0000	94.1	80 - 120
Selenium	22.9703	1.0	0.40	25.0000	91.9	80 - 120
Silver	11.8015	1.0	0.12	12.5000	94.4	80 - 120
Thallium	24.2776	1.0	0.38	25.0000	97.1	80 - 120
Vanadium	22.7326	1.0	0.06	25.0000	90.9	80 - 120
Zinc	24.7572	1.0	0.15	25.0000	99.0	80 - 120

**Matrix Spike (B2C1228-MS1)**

**Source: 2200373-01**

Prepared: 3/17/2022 Analyzed: 3/18/2022

Antimony	14.1850	2.0	0.51	25.0000	0.679014	54.0	0 - 102
Arsenic	22.7179	1.0	0.12	25.0000	ND	90.9	55 - 117
Barium	123.422	1.0	0.12	25.0000	95.6106	111	11 - 177
Beryllium	24.6369	1.0	0.03	25.0100	2.06207	90.3	64 - 115
Cadmium	24.5846	1.0	0.14	25.0000	0.314739	97.1	62 - 116
Chromium	35.7214	1.0	0.26	25.0000	12.9016	91.3	42 - 145
Cobalt	27.8148	1.0	0.07	25.0000	4.74220	92.3	60 - 126
Copper	33.9424	2.0	0.19	25.0000	9.80577	96.5	37 - 163
Lead	24.4232	1.0	0.18	25.0000	2.23169	88.8	26 - 161



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1228 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1228-MS1) - Continued**

**Source: 2200373-01**

Prepared: 3/17/2022 Analyzed: 3/18/2022

Molybdenum	23.0280	1.0	0.12	25.0000	ND	92.1	31 - 122			
Nickel	28.5492	1.0	0.18	25.0000	5.66710	91.5	52 - 130			
Selenium	23.3500	1.0	0.40	25.0000	0.456184	91.6	25 - 129			
Silver	15.2326	1.0	0.12	12.5000	4.52879	85.6	48 - 133			
Thallium	21.7564	1.0	0.38	25.0000	ND	87.0	25 - 119			
Vanadium	49.7081	1.0	0.06	25.0000	25.8648	95.4	51 - 141			
Zinc	60.4098	1.0	0.15	25.0000	34.2525	105	8 - 170			

**Matrix Spike Dup (B2C1228-MSD1)**

**Source: 2200373-01**

Prepared: 3/17/2022 Analyzed: 3/18/2022

Antimony	14.9053	2.0	0.51	25.0000	0.679014	56.9	0 - 102	4.95	20	
Arsenic	22.2738	1.0	0.12	25.0000	ND	89.1	55 - 117	1.97	20	
Barium	122.178	1.0	0.12	25.0000	95.6106	106	11 - 177	1.01	20	
Beryllium	24.6554	1.0	0.03	25.0100	2.06207	90.3	64 - 115	0.0751	20	
Cadmium	24.7642	1.0	0.14	25.0000	0.314739	97.8	62 - 116	0.728	20	
Chromium	35.4137	1.0	0.26	25.0000	12.9016	90.0	42 - 145	0.865	20	
Cobalt	28.0250	1.0	0.07	25.0000	4.74220	93.1	60 - 126	0.753	20	
Copper	32.3947	2.0	0.19	25.0000	9.80577	90.4	37 - 163	4.67	20	
Lead	24.9828	1.0	0.18	25.0000	2.23169	91.0	26 - 161	2.27	20	
Molybdenum	23.5063	1.0	0.12	25.0000	ND	94.0	31 - 122	2.06	20	
Nickel	29.0041	1.0	0.18	25.0000	5.66710	93.3	52 - 130	1.58	20	
Selenium	21.9704	1.0	0.40	25.0000	0.456184	86.1	25 - 129	6.09	20	
Silver	15.0949	1.0	0.12	12.5000	4.52879	84.5	48 - 133	0.908	20	
Thallium	22.0652	1.0	0.38	25.0000	ND	88.3	25 - 119	1.41	20	
Vanadium	49.3206	1.0	0.06	25.0000	25.8648	93.8	51 - 141	0.783	20	
Zinc	59.4119	1.0	0.15	25.0000	34.2525	101	8 - 170	1.67	20	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/16/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1226 - EPA 7471_S</b>										
<b>Blank (B2C1226-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 3/17/2022 Analyzed: 3/18/2022
<b>LCS (B2C1226-BS1)</b>										
Mercury	0.372198	0.10	0.01	0.416667		89.3	80 - 120			Prepared: 3/17/2022 Analyzed: 3/18/2022
<b>Matrix Spike (B2C1226-MS1)</b>										
										<b>Source: 2200373-01</b> Prepared: 3/17/2022 Analyzed: 3/18/2022
Mercury	0.385220	0.10	0.01	0.416667	0.063834	77.1	70 - 130			
<b>Matrix Spike Dup (B2C1226-MSD1)</b>										
										<b>Source: 2200373-01</b> Prepared: 3/17/2022 Analyzed: 3/18/2022
Mercury	0.382571	0.10	0.01	0.416667	0.063834	76.5	70 - 130	0.690	20	





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### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C1226 - EPA 7471\_S

Post Spike (B2C1226-PS1)

Source: 2200373-01

Prepared: 3/17/2022 Analyzed: 3/18/2022

Mercury	0.005325		5.00000E-3	0.000766	91.2	85 - 115			
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### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes	
<b>Batch B2C1215 - GCSEMI_DRO_S</b>											
<b>Blank (B2C1215-BLK1)</b>					Prepared: 3/16/2022 Analyzed: 3/17/2022						
C13-C23	ND	10	3.6								
C23-C32	ND	10	3.6								
<hr/>											
<i>Surrogate: p-Terphenyl</i>	78.68			80.0000		98.3	62 - 141				
<b>LCS (B2C1215-BS1)</b>					Prepared: 3/16/2022 Analyzed: 3/17/2022						
DRO	998.024	10	3.6	1000.00		99.8	56 - 139				
<hr/>											
<i>Surrogate: p-Terphenyl</i>	83.69			80.0000		105	62 - 141				
<b>Matrix Spike (B2C1215-MS1)</b>					<b>Source: 2200386-03</b>			Prepared: 3/16/2022 Analyzed: 3/17/2022			
DRO	1164.29	10	3.6	1000.00	7.32900	116	38 - 161				
<hr/>											
<i>Surrogate: p-Terphenyl</i>	116.2			80.0000		145	62 - 141			S10	
<b>Matrix Spike Dup (B2C1215-MSD1)</b>					<b>Source: 2200386-03</b>			Prepared: 3/16/2022 Analyzed: 3/17/2022			
DRO	887.481	10	3.6	1000.00	7.32900	88.0	38 - 161	27.0	20	R	
<hr/>											
<i>Surrogate: p-Terphenyl</i>	108.7			80.0000		136	62 - 141				



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1222 - MSVOA\_S**

**Blank (B2C1222-BLK1)**

Prepared: 3/17/2022 Analyzed: 3/17/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1222 - MSVOA\_S (continued)**

**Blank (B2C1222-BLK1) - Continued**

Prepared: 3/17/2022 Analyzed: 3/17/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	72.69		50.0000		145	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	52.18		50.0000		104	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	52.46		50.0000		105	77 - 159
<i>Surrogate: Toluene-d8</i>	56.40		50.0000		113	81 - 128

**LCS (B2C1222-BS1)**

Prepared: 3/17/2022 Analyzed: 3/17/2022

1,1,1,2-Tetrachloroethane	44.6100	5.0	0.52	50.0000	89.2	84 - 123
1,1,1-Trichloroethane	62.3200	5.0	0.26	50.0000	125	78 - 133
1,1,2,2-Tetrachloroethane	39.9200	5.0	0.21	50.0000	79.8	63 - 127
1,1,2-Trichloroethane	46.8400	5.0	0.40	50.0000	93.7	80 - 125
1,1-Dichloroethane	47.4600	5.0	1.4	50.0000	94.9	77 - 128
1,1-Dichloroethene	45.1800	5.0	1.9	50.0000	90.4	69 - 138
1,1-Dichloropropene	47.5800	5.0	0.54	50.0000	95.2	80 - 133
1,2,3-Trichloropropane	43.7300	5.0	0.40	50.0000	87.5	74 - 123
1,2,3-Trichlorobenzene	45.9800	5.0	0.83	50.0000	92.0	79 - 133
1,2,4-Trichlorobenzene	44.6700	5.0	0.80	50.0000	89.3	73 - 131
1,2,4-Trimethylbenzene	46.3500	5.0	0.91	50.0000	92.7	86 - 137
1,2-Dibromo-3-chloropropane	57.2200	10	1.1	50.0000	114	62 - 127
1,2-Dibromoethane	45.8000	5.0	0.40	50.0000	91.6	83 - 126
1,2-Dichlorobenzene	42.3100	5.0	0.21	50.0000	84.6	83 - 123
1,2-Dichloroethane	64.3000	5.0	0.50	50.0000	129	76 - 128

L3



## Certificate of Analysis

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Irvine , CA 92612

Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result	PQL	MDL	Spike	Source	% Rec	RPD	Limit	Notes
	(ug/kg)	(ug/kg)	(ug/kg)	Level	Result	Limits			

**Batch B2C1222 - MSVOA\_S (continued)**

**LCS (B2C1222-BS1) - Continued**

Prepared: 3/17/2022 Analyzed: 3/17/2022

1,2-Dichloropropane	44.4700	5.0	0.46	50.0000		88.9		77 - 121	
1,3,5-Trimethylbenzene	44.0900	5.0	0.70	50.0000		88.2		84 - 135	
1,3-Dichlorobenzene	41.6100	5.0	0.36	50.0000		83.2		81 - 126	
1,3-Dichloropropane	42.6300	5.0	0.49	50.0000		85.3		80 - 118	
1,4-Dichlorobenzene	42.4500	5.0	0.27	50.0000		84.9		80 - 124	
2,2-Dichloropropane	55.6600	5.0	0.28	50.0000		111		72 - 135	
2-Chlorotoluene	48.2200	5.0	0.53	50.0000		96.4		81 - 127	
4-Chlorotoluene	49.8500	5.0	0.40	50.0000		99.7		83 - 127	
4-Isopropyltoluene	46.1800	5.0	0.81	50.0000		92.4		82 - 143	
Benzene	48.2600	5.0	0.36	50.0000		96.5		84 - 123	
Bromobenzene	42.8800	5.0	0.62	50.0000		85.8		80 - 122	
Bromochloromethane	48.3200	5.0	0.30	50.0000		96.6		83 - 127	
Bromodichloromethane	56.9800	5.0	0.52	50.0000		114		82 - 123	
Bromoform	48.1400	5.0	1.4	50.0000		96.3		80 - 132	
Bromomethane	55.1800	5.0	2.5	50.0000		110		67 - 176	
Carbon disulfide	40.7600	5.0	0.94	50.0000		81.5		75 - 138	
Carbon tetrachloride	63.6000	5.0	0.73	50.0000		127		76 - 131	
Chlorobenzene	42.6700	5.0	0.42	50.0000		85.3		84 - 119	
Chloroethane	49.6000	5.0	1.5	50.0000		99.2		56 - 170	
Chloroform	53.6100	5.0	0.24	50.0000		107		78 - 129	
Chloromethane	38.8000	5.0	1.1	50.0000		77.6		63 - 141	
cis-1,2-Dichloroethene	64.9000	5.0	0.20	50.0000		130		83 - 125	L3
cis-1,3-Dichloropropene	46.6500	5.0	0.39	50.0000		93.3		76 - 129	
Di-isopropyl ether	42.1900	5.0	1.9	50.0000		84.4		73 - 132	
Dibromochloromethane	48.5600	5.0	0.81	50.0000		97.1		81 - 120	
Dibromomethane	50.2900	5.0	0.23	50.0000		101		79 - 124	
Dichlorodifluoromethane	48.0900	5.0	0.14	50.0000		96.2		18 - 199	
Ethyl Acetate	23.0600	50	7.0	500.000		4.61		76 - 138	MO
Ethyl Ether	514.750	50	17	500.000		103		74 - 128	
Ethyl tert-butyl ether	46.9200	5.0	0.85	50.0000		93.8		50 - 175	
Ethylbenzene	47.5900	5.0	0.43	50.0000		95.2		86 - 130	
Freon-113	47.7700	5.0	1.3	50.0000		95.5		66 - 132	
Hexachlorobutadiene	51.3700	5.0	0.40	50.0000		103		64 - 135	
Isopropylbenzene	45.1100	5.0	0.79	50.0000		90.2		80 - 133	
m,p-Xylene	96.0800	10	0.98	100.000		96.1		89 - 133	
Methylene chloride	42.6800	5.0	2.2	50.0000		85.4		72 - 143	
MTBE	47.5500	5.0	0.81	50.0000		95.1		73 - 136	
n-Butylbenzene	47.0400	5.0	1.2	50.0000		94.1		76 - 144	
n-Propylbenzene	45.7400	5.0	0.78	50.0000		91.5		81 - 136	
Naphthalene	36.1700	5.0	1.1	50.0000		72.3		64 - 128	
o-Xylene	48.6300	5.0	0.67	50.0000		97.3		82 - 134	
sec-Butylbenzene	44.5000	5.0	0.63	50.0000		89.0		81 - 138	
Styrene	42.2100	5.0	0.45	50.0000		84.4		79 - 152	
tert-Amyl methyl ether	43.8200	5.0	1.1	50.0000		87.6		48 - 166	
tert-Butanol	206.530	100	11	250.000		82.6		48 - 148	



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## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2C1222 - MSVOA\_S (continued)

#### LCS (B2C1222-BS1) - Continued

Prepared: 3/17/2022 Analyzed: 3/17/2022

tert-Butylbenzene	43.4000	5.0	0.80	50.0000		86.8	81 - 135			
Tetrachloroethene	44.5900	5.0	0.31	50.0000		89.2	75 - 127			
Toluene	50.8300	5.0	0.27	50.0000		102	88 - 130			
trans-1,2-Dichloroethene	36.8700	5.0	0.56	50.0000		73.7	79 - 127			L3
trans-1,3-Dichloropropene	51.4500	5.0	0.59	50.0000		103	80 - 130			
Trichloroethene	47.0100	5.0	0.32	50.0000		94.0	83 - 126			
Trichlorofluoromethane	66.3800	5.0	1.0	50.0000		133	62 - 143			
Vinyl acetate	97.2200	50	6.0	500.000		19.4	69 - 150			MO
Vinyl chloride	43.2400	5.0	0.92	50.0000		86.5	69 - 140			

Surrogate: 1,2-Dichloroethane-d4	70.77			50.0000		142	66 - 200			
Surrogate: 4-Bromofluorobenzene	54.84			50.0000		110	50 - 146			
Surrogate: Dibromofluoromethane	54.21			50.0000		108	77 - 159			
Surrogate: Toluene-d8	57.87			50.0000		116	81 - 128			

#### LCS Dup (B2C1222-BSD1)

Prepared: 3/17/2022 Analyzed: 3/17/2022

1,1,1,2-Tetrachloroethane	45.3800	5.0	0.52	50.0000		90.8	84 - 123	1.71	20	
1,1,1-Trichloroethane	66.7700	5.0	0.26	50.0000		134	78 - 133	6.89	20	L4
1,1,2,2-Tetrachloroethane	40.7800	5.0	0.21	50.0000		81.6	63 - 127	2.13	20	
1,1,2-Trichloroethane	42.5000	5.0	0.40	50.0000		85.0	80 - 125	9.72	20	
1,1-Dichloroethane	51.5400	5.0	1.4	50.0000		103	77 - 128	8.24	20	
1,1-Dichloroethene	49.5200	5.0	1.9	50.0000		99.0	69 - 138	9.17	20	
1,1-Dichloropropene	44.7400	5.0	0.54	50.0000		89.5	80 - 133	6.15	20	
1,2,3-Trichloropropane	41.4700	5.0	0.40	50.0000		82.9	74 - 123	5.31	20	
1,2,3-Trichlorobenzene	43.1500	5.0	0.83	50.0000		86.3	79 - 133	6.35	20	
1,2,4-Trichlorobenzene	44.6700	5.0	0.80	50.0000		89.3	73 - 131	0.00	20	
1,2,4-Trimethylbenzene	43.7400	5.0	0.91	50.0000		87.5	86 - 137	5.79	20	
1,2-Dibromo-3-chloropropane	57.0200	10	1.1	50.0000		114	62 - 127	0.350	20	
1,2-Dibromoethane	43.5200	5.0	0.40	50.0000		87.0	83 - 126	5.11	20	
1,2-Dichlorobenzene	42.0200	5.0	0.21	50.0000		84.0	83 - 123	0.688	20	
1,2-Dichloroethane	61.9400	5.0	0.50	50.0000		124	76 - 128	3.74	20	
1,2-Dichloropropane	42.6800	5.0	0.46	50.0000		85.4	77 - 121	4.11	20	
1,3,5-Trimethylbenzene	45.1400	5.0	0.70	50.0000		90.3	84 - 135	2.35	20	
1,3-Dichlorobenzene	40.4400	5.0	0.36	50.0000		80.9	81 - 126	2.85	20	L3
1,3-Dichloropropane	43.2300	5.0	0.49	50.0000		86.5	80 - 118	1.40	20	
1,4-Dichlorobenzene	40.9700	5.0	0.27	50.0000		81.9	80 - 124	3.55	20	
2,2-Dichloropropane	61.8600	5.0	0.28	50.0000		124	72 - 135	10.6	20	
2-Chlorotoluene	46.6300	5.0	0.53	50.0000		93.3	81 - 127	3.35	20	
4-Chlorotoluene	49.4200	5.0	0.40	50.0000		98.8	83 - 127	0.866	20	
4-Isopropyltoluene	46.3400	5.0	0.81	50.0000		92.7	82 - 143	0.346	20	
Benzene	46.7300	5.0	0.36	50.0000		93.5	84 - 123	3.22	20	
Bromobenzene	41.1000	5.0	0.62	50.0000		82.2	80 - 122	4.24	20	
Bromochloromethane	47.0800	5.0	0.30	50.0000		94.2	83 - 127	2.60	20	
Bromodichloromethane	53.8000	5.0	0.52	50.0000		108	82 - 123	5.74	20	
Bromoform	50.3700	5.0	1.4	50.0000		101	80 - 132	4.53	20	
Bromomethane	58.1000	5.0	2.5	50.0000		116	67 - 176	5.16	20	



## Certificate of Analysis

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Irvine , CA 92612

Reported : 05/16/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1222 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C1222-BSD1) - Continued</b>						Prepared: 3/17/2022 Analyzed: 3/17/2022				
Carbon disulfide	43.8800	5.0	0.94	50.0000		87.8	75 - 138	7.37	20	
Carbon tetrachloride	66.0400	5.0	0.73	50.0000		132	76 - 131	3.76	20	L4
Chlorobenzene	43.0600	5.0	0.42	50.0000		86.1	84 - 119	0.910	20	
Chloroethane	54.8300	5.0	1.5	50.0000		110	56 - 170	10.0	20	
Chloroform	54.8800	5.0	0.24	50.0000		110	78 - 129	2.34	20	
Chloromethane	39.4200	5.0	1.1	50.0000		78.8	63 - 141	1.59	20	
cis-1,2-Dichloroethene	66.7200	5.0	0.20	50.0000		133	83 - 125	2.77	20	L5
cis-1,3-Dichloropropene	45.0300	5.0	0.39	50.0000		90.1	76 - 129	3.53	20	
Di-isopropyl ether	43.6200	5.0	1.9	50.0000		87.2	73 - 132	3.33	20	
Dibromochloromethane	48.6700	5.0	0.81	50.0000		97.3	81 - 120	0.226	20	
Dibromomethane	49.7500	5.0	0.23	50.0000		99.5	79 - 124	1.08	20	
Dichlorodifluoromethane	51.1600	5.0	0.14	50.0000		102	18 - 199	6.19	20	
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138	NR	20	MO
Ethyl Ether	531.740	50	17	500.000		106	74 - 128	3.25	20	
Ethyl tert-butyl ether	46.9800	5.0	0.85	50.0000		94.0	50 - 175	0.128	20	
Ethylbenzene	48.9700	5.0	0.43	50.0000		97.9	86 - 130	2.86	20	
Freon-113	52.8600	5.0	1.3	50.0000		106	66 - 132	10.1	20	
Hexachlorobutadiene	56.8800	5.0	0.40	50.0000		114	64 - 135	10.2	20	
Isopropylbenzene	45.5200	5.0	0.79	50.0000		91.0	80 - 133	0.905	20	
m,p-Xylene	98.1300	10	0.98	100.000		98.1	89 - 133	2.11	20	
Methylene chloride	47.1700	5.0	2.2	50.0000		94.3	72 - 143	9.99	20	
MTBE	48.2600	5.0	0.81	50.0000		96.5	73 - 136	1.48	20	
n-Butylbenzene	46.9900	5.0	1.2	50.0000		94.0	76 - 144	0.106	20	
n-Propylbenzene	46.7800	5.0	0.78	50.0000		93.6	81 - 136	2.25	20	
Naphthalene	34.2800	5.0	1.1	50.0000		68.6	64 - 128	5.37	20	
o-Xylene	49.2200	5.0	0.67	50.0000		98.4	82 - 134	1.21	20	
sec-Butylbenzene	44.4300	5.0	0.63	50.0000		88.9	81 - 138	0.157	20	
Styrene	41.7100	5.0	0.45	50.0000		83.4	79 - 152	1.19	20	
tert-Amyl methyl ether	45.0200	5.0	1.1	50.0000		90.0	48 - 166	2.70	20	
tert-Butanol	212.700	100	11	250.000		85.1	48 - 148	2.94	20	
tert-Butylbenzene	45.7700	5.0	0.80	50.0000		91.5	81 - 135	5.32	20	
Tetrachloroethene	48.2500	5.0	0.31	50.0000		96.5	75 - 127	7.88	20	
Toluene	49.6200	5.0	0.27	50.0000		99.2	88 - 130	2.41	20	
trans-1,2-Dichloroethene	38.6800	5.0	0.56	50.0000		77.4	79 - 127	4.79	20	L3
trans-1,3-Dichloropropene	50.0600	5.0	0.59	50.0000		100	80 - 130	2.74	20	
Trichloroethene	47.1000	5.0	0.32	50.0000		94.2	83 - 126	0.191	20	
Trichlorofluoromethane	71.5100	5.0	1.0	50.0000		143	62 - 143	7.44	20	L4
Vinyl acetate	99.4500	50	6.0	500.000		19.9	69 - 150	2.27	20	MO
Vinyl chloride	49.4900	5.0	0.92	50.0000		99.0	69 - 140	13.5	20	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	73.46		50.0000	147	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	55.20		50.0000	110	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	55.82		50.0000	112	77 - 159
<i>Surrogate: Toluene-d8</i>	56.11		50.0000	112	81 - 128

300

2200373

<b>FROM:</b>		<b>PROJECT NAME:</b> Ontario Airport		<b>PROJECT NO.:</b> 5925															
GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		<b>PROJECT CONTACT:</b> Vinnie Robino / Josh Voss		<b>LAB CONTACT:</b> Victoria Michel															
<b>GLOBAL ID:</b>		<b>E-MAIL:</b> vprobino@gsi-net.com / jvoss@gsi-net.com		<b>SAMPLER(S): (PRINT)</b> Tiam Noun / Josh Voss															
<b>TEL:</b> (949) 679-1070		<b>LABORATORY:</b> Advanced Technology Laboratories		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.															
<b>TURNAROUND TIME:</b>		<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR																	
		<input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD																	
<b>SPECIAL INSTRUCTIONS:</b> GRO = C4-C12; DRO = C13-C22; ORO = C23-C32																			
LAB USE ONLY	SAMPLE ID	SAMPLING TIME		MATRIX	NO. OF CONT.	Field Filtered	Unpreserved	Preserved	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCs 8081A	Herbicides 8051	HOLD	
		DATE	TIME																
	1	62-13-5-1	3/14/22	0814	Soil		1		X										
	2	62-13-5-5.5		0826			5	1		X	X			X					
	3	62-13-7-1		0855			1	1	X	X	X			X					
	4	62-13-7-5.5		0910			5	1	X	X	X			X					
	5	62-13-6-1		0938			1	1	X	X	X			X					
	6	62-13-6-5.5		0946			5	1	X	X	X			X					
	7	62-13-4-1		1038			1	1	X	X	X			X					
	8	62-13-4-5.5		1048			5	1	X	X	X			X					
	9	62-13-1-1		1142			1	1	X	X	X			X					
	10	62-13-1-5.5		1150			5	1	X	X	X			X					
	11	62-13-3-1		1304			1	1	X	X	X			X					
	12	62-13-3-5.5		1312			5	1	X	X	X			X					
	13	62-13-2-1		1338			1	1	X	X	X			X					
	14	62-13-2-5.5		1344			5	1	X	X	X			X					
	15	18-20220314		1355	Water		4	4											X
<b>Relinquished by:</b> (Signature)																			
<b>Relinquished by:</b> (Signature)		Uo		3/14/22 18:51															
<b>Relinquished by:</b> (Signature)																			



2200373

3.0°C

<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		<b>PROJECT NAME:</b> Ontario Airport		<b>PROJECT NO.:</b> 5925	
<b>PROJECT CONTACT:</b> Vinnie Robino / Josh Voss		<b>LAB CONTACT:</b> Victoria Michel		<b>SAMPLER(S) (PRINT):</b> Tiam Nahir / Josh Voss	
<b>GLOBAL ID:</b> vprobino@gsi-net.com / jcvoss@gsi-net.com		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.			
<b>TEL:</b> (949) 679-1070		T22 6010B/7471A VOCs 8260B GRO 8015 DRO/ORO 8015 SVOCs 8270C PAHs 8270 SIM PCBs 8082 OCPs 8081A Herbicides 8051			
<b>LABORATORY:</b> Advanced Technology Laboratories		Field Filtered Preserved Unpreserved			
<b>TURNAROUND TIME:</b> <input type="checkbox"/> SAME DAY <input type="checkbox"/> 72 HR <input type="checkbox"/> 24 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 48 HR <input checked="" type="checkbox"/> STANDARD		SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32			
<b>LAB USE ONLY</b>		<b>SAMPLE ID</b>		<b>SAMPLING DATE</b>	
16 EB-20220314		3/14/22 1420		NO. OF CONT. 5	
MATRIX WATER		HOLD		X	
Relinquished by: (Signature)		Received by: (Signature)		Date: 3/14/22 Time: 1336	
Relinquished by: (Signature)		Received by: (Signature)		Date: 3/14/22 Time: 1851	
Relinquished by: (Signature)		Received by: (Signature)		Date:	

March 24, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200390

Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 15, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Christine Caballero, Client Relations Manager  
[Christine.Caballero@atlglobal.com](mailto:Christine.Caballero@atlglobal.com)

Authorized to Release on 03/24/22 20:52 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/24/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-32-7-1	2200390-01	Soil	3/15/22 8:52	3/15/22 19:08
61W-32-7-5.5	2200390-02	Soil	3/15/22 9:04	3/15/22 19:08
61W-32-6-1	2200390-03	Soil	3/15/22 9:23	3/15/22 19:08
61W-32-6-5.5	2200390-04	Soil	3/15/22 9:33	3/15/22 19:08
61W-32-4-1	2200390-05	Soil	3/15/22 9:55	3/15/22 19:08
61W-32-4-5.5	2200390-06	Soil	3/15/22 10:05	3/15/22 19:08
61W-32-5-1	2200390-07	Soil	3/15/22 10:22	3/15/22 19:08
61W-32-5-5.5	2200390-08	Soil	3/15/22 10:33	3/15/22 19:08
61W-32-2-1	2200390-09	Soil	3/15/22 10:47	3/15/22 19:08
61W-32-2-5.5	2200390-10	Soil	3/15/22 10:59	3/15/22 19:08
61W-32-1-1	2200390-11	Soil	3/15/22 11:23	3/15/22 19:08
61W-32-1-5.5	2200390-12	Soil	3/15/22 11:34	3/15/22 19:08
61W-30-6-1	2200390-13	Soil	3/15/22 12:20	3/15/22 19:08
61W-30-6-5.5	2200390-14	Soil	3/15/22 12:30	3/15/22 19:08
61W-32-3-1	2200390-16	Soil	3/15/22 13:46	3/15/22 19:08
61W-32-3-5.5	2200390-17	Soil	3/15/22 13:53	3/15/22 19:08



# Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/24/2022

## Notes and Definitions

- MO Manufacturer omitted analyte within the stock standard.
- M2 Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
- L5 Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
- L4 Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
- L3 Laboratory control sample outside in-house established limits but within method criteria.
- ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)

- Notes:
- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
  - (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
  - (3) Results are wet unless otherwise specified.

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200390-01	61W-32-7-1	ND	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22	14:10	
2200390-03	61W-32-6-1	ND	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22	14:19	
2200390-05	61W-32-4-1	ND	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22	14:22	
2200390-07	61W-32-5-1	ND	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22	14:26	
2200390-09	61W-32-2-1	ND	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22	14:29	
2200390-11	61W-32-1-1	ND	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22	14:33	
2200390-13	61W-30-6-1	ND	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22	14:35	
2200390-16	61W-32-3-1	ND	mg/kg	0.10	1	B2C1238	03/18/2022	03/18/22	14:39	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-7-1**  
**Lab ID: 2200390-01**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
<b>Barium</b>	<b>150</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
<b>Beryllium</b>	<b>3.7</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
<b>Chromium</b>	<b>21</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
<b>Cobalt</b>	<b>8.0</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
<b>Copper</b>	<b>14</b>	2.0	1	B2C1257	03/18/2022	03/21/22 17:51	
<b>Lead</b>	<b>3.5</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
<b>Nickel</b>	<b>9.3</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
<b>Selenium</b>	<b>1.4</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
<b>Silver</b>	<b>8.1</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
<b>Vanadium</b>	<b>42</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	
<b>Zinc</b>	<b>50</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:51	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-7-5.5**

**Lab ID: 2200390-02**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 17:38	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 17:38	
<i>Surrogate: p-Terphenyl</i>	<i>114 %</i>	<i>62 - 141</i>		B2C1250	03/18/2022	03/18/22 17:38	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1,1-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1,2-Trichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,1-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2,3-Trichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2-Dibromoethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2-Dichloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,3-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,3-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
1,4-Dichlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
2,2-Dichloropropane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
2-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
4-Chlorotoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
4-Isopropyltoluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Benzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Bromobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Bromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Bromodichloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Bromoform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Bromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Carbon disulfide	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Carbon tetrachloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Chlorobenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-7-5.5**  
**Lab ID: 2200390-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Chloroform	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Chloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Di-isopropyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Dibromochloromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Dibromomethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Dichlorodifluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Ethyl Acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 17:05	
Ethyl Ether	ND	41	1	B2C1222	03/17/2022	03/17/22 17:05	
Ethyl tert-butyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Ethylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Freon-113	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Hexachlorobutadiene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Isopropylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
m,p-Xylene	ND	8.2	1	B2C1222	03/17/2022	03/17/22 17:05	
Methylene chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
MTBE	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
n-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
n-Propylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Naphthalene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
o-Xylene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
sec-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Styrene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
tert-Amyl methyl ether	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
tert-Butanol	ND	82	1	B2C1222	03/17/2022	03/17/22 17:05	
tert-Butylbenzene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Tetrachloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Toluene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Trichloroethene	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Trichlorofluoromethane	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	
Vinyl acetate	ND	41	1	B2C1222	03/17/2022	03/17/22 17:05	
Vinyl chloride	ND	4.1	1	B2C1222	03/17/2022	03/17/22 17:05	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	162 %	66 - 200		B2C1222	03/17/2022	03/17/22 17:05
<i>Surrogate: 4-Bromofluorobenzene</i>	100 %	50 - 146		B2C1222	03/17/2022	03/17/22 17:05
<i>Surrogate: Dibromofluoromethane</i>	109 %	77 - 159		B2C1222	03/17/2022	03/17/22 17:05
<i>Surrogate: Toluene-d8</i>	110 %	81 - 128		B2C1222	03/17/2022	03/17/22 17:05



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-7-5.5**

**Lab ID: 2200390-02**

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.78	1	B2C1365	03/24/2022	03/24/22 14:04	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.9 %</i>	<i>47.6 - 121.18</i>		B2C1365	03/24/2022	03/24/22 14:04	

**Client Sample ID: 61W-32-6-1**

**Lab ID: 2200390-03**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
<b>Barium</b>	<b>220</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
<b>Beryllium</b>	<b>5.7</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
<b>Chromium</b>	<b>27</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
<b>Cobalt</b>	<b>13</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
<b>Copper</b>	<b>25</b>	2.0	1	B2C1257	03/18/2022	03/21/22 17:52	
<b>Lead</b>	<b>5.3</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
<b>Nickel</b>	<b>14</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
<b>Selenium</b>	<b>1.3</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
<b>Silver</b>	<b>13</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
<b>Vanadium</b>	<b>60</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	
<b>Zinc</b>	<b>66</b>	1.0	1	B2C1257	03/18/2022	03/21/22 17:52	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-6-5.5**

**Lab ID: 2200390-04**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 17:59	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 17:59	
<i>Surrogate: p-Terphenyl</i>	<i>108 %</i>	<i>62 - 141</i>		B2C1250	03/18/2022	03/18/22 17:59	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1,1-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1,2-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,1-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2,3-Trichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2-Dibromoethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,3-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,3-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
1,4-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
2,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
2-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
4-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
4-Isopropyltoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Benzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Bromobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Bromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Bromodichloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Bromoform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Bromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Carbon disulfide	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Carbon tetrachloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Chlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/24/2022

**Client Sample ID: 61W-32-6-5.5**

**Lab ID: 2200390-04**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Chloroform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Chloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Di-isopropyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Dibromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Dibromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Dichlorodifluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Ethyl Acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 17:31	
Ethyl Ether	ND	43	1	B2C1222	03/17/2022	03/17/22 17:31	
Ethyl tert-butyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Ethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Freon-113	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Hexachlorobutadiene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Isopropylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
m,p-Xylene	ND	8.6	1	B2C1222	03/17/2022	03/17/22 17:31	
Methylene chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
MTBE	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
n-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
n-Propylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Naphthalene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
o-Xylene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
sec-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Styrene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
tert-Amyl methyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
tert-Butanol	ND	86	1	B2C1222	03/17/2022	03/17/22 17:31	
tert-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Tetrachloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Toluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Trichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Trichlorofluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	
Vinyl acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 17:31	
Vinyl chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 17:31	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>157 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	03/17/22 17:31
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>103 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	03/17/22 17:31
<i>Surrogate: Dibromofluoromethane</i>	<i>103 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	03/17/22 17:31
<i>Surrogate: Toluene-d8</i>	<i>112 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	03/17/22 17:31



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/24/2022

**Client Sample ID: 61W-32-6-5.5**

**Lab ID: 2200390-04**

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1365	03/24/2022	03/24/22 14:28	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>78.1 %</i>	<i>47.6 - 121.18</i>		B2C1365	03/24/2022	<i>03/24/22 14:28</i>	

**Client Sample ID: 61W-32-4-1**

**Lab ID: 2200390-05**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
<b>Barium</b>	<b>120</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
<b>Beryllium</b>	<b>3.4</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
<b>Chromium</b>	<b>18</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
<b>Cobalt</b>	<b>6.5</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
<b>Copper</b>	<b>13</b>	2.0	1	B2C1257	03/18/2022	03/22/22 11:46	
<b>Lead</b>	<b>3.0</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
<b>Nickel</b>	<b>8.3</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
<b>Selenium</b>	<b>2.3</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
<b>Silver</b>	<b>7.2</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
<b>Vanadium</b>	<b>37</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	
<b>Zinc</b>	<b>53</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:46	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-4-5.5**

**Lab ID: 2200390-06**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 18:19	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 18:19	
<i>Surrogate: p-Terphenyl</i>	<i>106 %</i>	<i>62 - 141</i>		B2C1250	03/18/2022	03/18/22 18:19	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1,1-Trichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1,2-Trichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1-Dichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,1-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2,3-Trichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2-Dibromo-3-chloropropane	ND	9.5	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2-Dibromoethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2-Dichloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,2-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,3-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,3-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
1,4-Dichlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
2,2-Dichloropropane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
2-Chlorotoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
4-Chlorotoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
4-Isopropyltoluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Benzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Bromobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Bromochloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Bromodichloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Bromoform	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Bromomethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Carbon disulfide	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Carbon tetrachloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Chlorobenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-4-5.5**

**Lab ID: 2200390-06**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Chloroform	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Chloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Di-isopropyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Dibromochloromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Dibromomethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Dichlorodifluoromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Ethyl Acetate	ND	47	1	B2C1222	03/17/2022	03/17/22 17:57	
Ethyl Ether	ND	47	1	B2C1222	03/17/2022	03/17/22 17:57	
Ethyl tert-butyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Ethylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Freon-113	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Hexachlorobutadiene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Isopropylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
m,p-Xylene	ND	9.5	1	B2C1222	03/17/2022	03/17/22 17:57	
Methylene chloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
MTBE	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
n-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
n-Propylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Naphthalene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
o-Xylene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
sec-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Styrene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
tert-Amyl methyl ether	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
tert-Butanol	ND	95	1	B2C1222	03/17/2022	03/17/22 17:57	
tert-Butylbenzene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Tetrachloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Toluene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Trichloroethene	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Trichlorofluoromethane	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	
Vinyl acetate	ND	47	1	B2C1222	03/17/2022	03/17/22 17:57	
Vinyl chloride	ND	4.7	1	B2C1222	03/17/2022	03/17/22 17:57	

Surrogate: 1,2-Dichloroethane-d4	172 %	66 - 200		B2C1222	03/17/2022	03/17/22 17:57
Surrogate: 4-Bromofluorobenzene	102 %	50 - 146		B2C1222	03/17/2022	03/17/22 17:57
Surrogate: Dibromofluoromethane	115 %	77 - 159		B2C1222	03/17/2022	03/17/22 17:57
Surrogate: Toluene-d8	113 %	81 - 128		B2C1222	03/17/2022	03/17/22 17:57



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-4-5.5**

**Lab ID: 2200390-06**

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1365	03/24/2022	03/24/22 14:52	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>82.3 %</i>	<i>47.6 - 121.18</i>		B2C1365	03/24/2022	<i>03/24/22 14:52</i>	

**Client Sample ID: 61W-32-5-1**

**Lab ID: 2200390-07**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
<b>Barium</b>	<b>140</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
<b>Beryllium</b>	<b>4.0</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
<b>Chromium</b>	<b>22</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
<b>Cobalt</b>	<b>8.4</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
<b>Copper</b>	<b>14</b>	2.0	1	B2C1257	03/18/2022	03/22/22 11:48	
<b>Lead</b>	<b>3.4</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
<b>Nickel</b>	<b>10</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
<b>Selenium</b>	<b>1.7</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
<b>Silver</b>	<b>8.8</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
<b>Vanadium</b>	<b>44</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	
<b>Zinc</b>	<b>58</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:48	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-5-5.5**  
**Lab ID: 2200390-08**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 18:40	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 18:40	
<i>Surrogate: p-Terphenyl</i>	<i>109 %</i>	<i>62 - 141</i>		B2C1250	03/18/2022	<i>03/18/22 18:40</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1,1-Trichloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1,2-Trichloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1-Dichloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1-Dichloroethene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,1-Dichloropropene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2,3-Trichloropropane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2-Dibromo-3-chloropropane	ND	7.8	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2-Dibromoethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2-Dichlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2-Dichloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,2-Dichloropropane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,3-Dichlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,3-Dichloropropane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
1,4-Dichlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
2,2-Dichloropropane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
2-Chlorotoluene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
4-Chlorotoluene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
4-Isopropyltoluene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Benzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Bromobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Bromochloromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Bromodichloromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Bromoform	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Bromomethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Carbon disulfide	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Carbon tetrachloride	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Chlorobenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-5-5.5**

**Lab ID: 2200390-08**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Chloroform	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Chloromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Di-isopropyl ether	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Dibromochloromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Dibromomethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Dichlorodifluoromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Ethyl Acetate	ND	39	1	B2C1222	03/17/2022	03/17/22 18:22	
Ethyl Ether	ND	39	1	B2C1222	03/17/2022	03/17/22 18:22	
Ethyl tert-butyl ether	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Ethylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Freon-113	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Hexachlorobutadiene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Isopropylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
m,p-Xylene	ND	7.8	1	B2C1222	03/17/2022	03/17/22 18:22	
Methylene chloride	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
MTBE	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
n-Butylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
n-Propylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Naphthalene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
o-Xylene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
sec-Butylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Styrene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
tert-Amyl methyl ether	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
tert-Butanol	ND	78	1	B2C1222	03/17/2022	03/17/22 18:22	
tert-Butylbenzene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Tetrachloroethene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Toluene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
<b>Trichloroethene</b>	<b>3.9</b>	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Trichlorofluoromethane	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	
Vinyl acetate	ND	39	1	B2C1222	03/17/2022	03/17/22 18:22	
Vinyl chloride	ND	3.9	1	B2C1222	03/17/2022	03/17/22 18:22	

Surrogate: 1,2-Dichloroethane-d4	180 %	66 - 200		B2C1222	03/17/2022	03/17/22 18:22
Surrogate: 4-Bromofluorobenzene	105 %	50 - 146		B2C1222	03/17/2022	03/17/22 18:22
Surrogate: Dibromofluoromethane	116 %	77 - 159		B2C1222	03/17/2022	03/17/22 18:22
Surrogate: Toluene-d8	111 %	81 - 128		B2C1222	03/17/2022	03/17/22 18:22





## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-5-5.5**

**Lab ID: 2200390-08**

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.75	1	B2C1365	03/24/2022	03/24/22 15:15	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.3 %</i>	<i>47.6 - 121.18</i>		B2C1365	03/24/2022	<i>03/24/22 15:15</i>	

**Client Sample ID: 61W-32-2-1**

**Lab ID: 2200390-09**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
<b>Barium</b>	<b>120</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
<b>Beryllium</b>	<b>3.6</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
<b>Chromium</b>	<b>21</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
<b>Cobalt</b>	<b>7.6</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
<b>Copper</b>	<b>17</b>	2.0	1	B2C1257	03/18/2022	03/22/22 11:50	
<b>Lead</b>	<b>3.5</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
<b>Nickel</b>	<b>9.5</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
<b>Selenium</b>	<b>1.6</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
<b>Silver</b>	<b>7.8</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
<b>Vanadium</b>	<b>42</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	
<b>Zinc</b>	<b>57</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:50	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-2-5.5**

**Lab ID: 2200390-10**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 19:01	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 19:01	
<i>Surrogate: p-Terphenyl</i>	<i>95.3 %</i>	<i>62 - 141</i>		B2C1250	03/18/2022	<i>03/18/22 19:01</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1,1-Trichloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1,2-Trichloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1-Dichloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1-Dichloroethene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,1-Dichloropropene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2,3-Trichloropropane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2,3-Trichlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2,4-Trichlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2,4-Trimethylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2-Dibromo-3-chloropropane	ND	7.4	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2-Dibromoethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2-Dichlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2-Dichloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,2-Dichloropropane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,3,5-Trimethylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,3-Dichlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,3-Dichloropropane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
1,4-Dichlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
2,2-Dichloropropane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
2-Chlorotoluene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
4-Chlorotoluene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
4-Isopropyltoluene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Benzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Bromobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Bromochloromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Bromodichloromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Bromoform	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Bromomethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Carbon disulfide	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Carbon tetrachloride	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Chlorobenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-2-5.5**  
**Lab ID: 2200390-10**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Chloroform	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Chloromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
cis-1,2-Dichloroethene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
cis-1,3-Dichloropropene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Di-isopropyl ether	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Dibromochloromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Dibromomethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Dichlorodifluoromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Ethyl Acetate	ND	37	1	B2C1222	03/17/2022	03/17/22 18:48	
Ethyl Ether	ND	37	1	B2C1222	03/17/2022	03/17/22 18:48	
Ethyl tert-butyl ether	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Ethylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Freon-113	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Hexachlorobutadiene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Isopropylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
m,p-Xylene	ND	7.4	1	B2C1222	03/17/2022	03/17/22 18:48	
Methylene chloride	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
MTBE	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
n-Butylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
n-Propylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Naphthalene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
o-Xylene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
sec-Butylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Styrene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
tert-Amyl methyl ether	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
tert-Butanol	ND	74	1	B2C1222	03/17/2022	03/17/22 18:48	
tert-Butylbenzene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Tetrachloroethene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Toluene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
trans-1,2-Dichloroethene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
trans-1,3-Dichloropropene	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
<b>Trichloroethene</b>	<b>3.8</b>	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Trichlorofluoromethane	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	
Vinyl acetate	ND	37	1	B2C1222	03/17/2022	03/17/22 18:48	
Vinyl chloride	ND	3.7	1	B2C1222	03/17/2022	03/17/22 18:48	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>175 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	03/17/22 18:48
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	03/17/22 18:48
<i>Surrogate: Dibromofluoromethane</i>	<i>119 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	03/17/22 18:48
<i>Surrogate: Toluene-d8</i>	<i>110 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	03/17/22 18:48



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/24/2022

**Client Sample ID: 61W-32-2-5.5**

**Lab ID: 2200390-10**

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1365	03/24/2022	03/24/22 15:39	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.8 %</i>	<i>47.6 - 121.18</i>		B2C1365	03/24/2022	03/24/22 15:39	

**Client Sample ID: 61W-32-1-1**

**Lab ID: 2200390-11**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
<b>Barium</b>	<b>130</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
<b>Beryllium</b>	<b>3.3</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
<b>Chromium</b>	<b>19</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
<b>Cobalt</b>	<b>7.0</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
<b>Copper</b>	<b>13</b>	2.0	1	B2C1257	03/18/2022	03/22/22 11:51	
<b>Lead</b>	<b>3.2</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
<b>Nickel</b>	<b>8.6</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
<b>Selenium</b>	<b>1.1</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
<b>Silver</b>	<b>7.2</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
<b>Vanadium</b>	<b>39</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	
<b>Zinc</b>	<b>51</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:51	



## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-1-5.5**  
**Lab ID: 2200390-12**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 19:22	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 19:22	
<i>Surrogate: p-Terphenyl</i>	<i>100 %</i>	<i>62 - 141</i>		B2C1250	03/18/2022	03/18/22 19:22	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1,1-Trichloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1,2,2-Tetrachloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1,2-Trichloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1-Dichloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1-Dichloroethene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,1-Dichloropropene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2,3-Trichloropropane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2,3-Trichlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2,4-Trichlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2,4-Trimethylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2-Dibromo-3-chloropropane	ND	7.6	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2-Dibromoethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2-Dichlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2-Dichloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,2-Dichloropropane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,3,5-Trimethylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,3-Dichlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,3-Dichloropropane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
1,4-Dichlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
2,2-Dichloropropane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
2-Chlorotoluene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
4-Chlorotoluene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
4-Isopropyltoluene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Benzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Bromobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Bromochloromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Bromodichloromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Bromoform	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Bromomethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Carbon disulfide	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Carbon tetrachloride	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Chlorobenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/24/2022

**Client Sample ID: 61W-32-1-5.5**

**Lab ID: 2200390-12**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Chloroform	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Chloromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
cis-1,2-Dichloroethene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
cis-1,3-Dichloropropene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Di-isopropyl ether	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Dibromochloromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Dibromomethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Dichlorodifluoromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Ethyl Acetate	ND	38	1	B2C1222	03/17/2022	03/17/22 19:14	
Ethyl Ether	ND	38	1	B2C1222	03/17/2022	03/17/22 19:14	
Ethyl tert-butyl ether	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Ethylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Freon-113	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Hexachlorobutadiene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Isopropylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
m,p-Xylene	ND	7.6	1	B2C1222	03/17/2022	03/17/22 19:14	
Methylene chloride	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
MTBE	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
n-Butylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
n-Propylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Naphthalene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
o-Xylene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
sec-Butylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Styrene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
tert-Amyl methyl ether	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
tert-Butanol	ND	76	1	B2C1222	03/17/2022	03/17/22 19:14	
tert-Butylbenzene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Tetrachloroethene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Toluene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
trans-1,2-Dichloroethene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
trans-1,3-Dichloropropene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Trichloroethene	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Trichlorofluoromethane	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	
Vinyl acetate	ND	38	1	B2C1222	03/17/2022	03/17/22 19:14	
Vinyl chloride	ND	3.8	1	B2C1222	03/17/2022	03/17/22 19:14	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>153 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	03/17/22 19:14
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>105 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	03/17/22 19:14
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	03/17/22 19:14
<i>Surrogate: Toluene-d8</i>	<i>109 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	03/17/22 19:14



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine , CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 03/24/2022

**Client Sample ID: 61W-32-1-5.5**

**Lab ID: 2200390-12**

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.77	1	B2C1365	03/24/2022	03/24/22 16:02	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>86.2 %</i>	<i>47.6 - 121.18</i>		B2C1365	03/24/2022	03/24/22 16:02	

**Client Sample ID: 61W-30-6-1**

**Lab ID: 2200390-13**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
<b>Barium</b>	<b>100</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
<b>Beryllium</b>	<b>2.8</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
<b>Chromium</b>	<b>16</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
<b>Cobalt</b>	<b>5.8</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
<b>Copper</b>	<b>9.9</b>	2.0	1	B2C1257	03/18/2022	03/22/22 11:53	
<b>Lead</b>	<b>2.5</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
<b>Nickel</b>	<b>7.4</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
<b>Selenium</b>	<b>2.0</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
<b>Silver</b>	<b>6.0</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
<b>Vanadium</b>	<b>34</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	
<b>Zinc</b>	<b>45</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:53	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-30-6-5.5**

**Lab ID: 2200390-14**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: JV**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 19:43	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 19:43	
<i>Surrogate: p-Terphenyl</i>	<i>101 %</i>	<i>62 - 141</i>		B2C1250	03/18/2022	<i>03/18/22 19:43</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1,1-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1,2-Trichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,1-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2,3-Trichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2-Dibromoethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2-Dichloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,3-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,3-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
1,4-Dichlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
2,2-Dichloropropane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
2-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
4-Chlorotoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
4-Isopropyltoluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Benzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Bromobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Bromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Bromodichloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Bromoform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Bromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Carbon disulfide	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Carbon tetrachloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Chlorobenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	





## Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-30-6-5.5**  
**Lab ID: 2200390-14**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Chloroform	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Chloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Di-isopropyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Dibromochloromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Dibromomethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Dichlorodifluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Ethyl Acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 19:39	
Ethyl Ether	ND	43	1	B2C1222	03/17/2022	03/17/22 19:39	
Ethyl tert-butyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Ethylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Freon-113	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Hexachlorobutadiene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Isopropylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
m,p-Xylene	ND	8.5	1	B2C1222	03/17/2022	03/17/22 19:39	
Methylene chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
MTBE	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
n-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
n-Propylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Naphthalene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
o-Xylene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
sec-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Styrene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
tert-Amyl methyl ether	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
tert-Butanol	ND	85	1	B2C1222	03/17/2022	03/17/22 19:39	
tert-Butylbenzene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Tetrachloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Toluene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Trichloroethene	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Trichlorofluoromethane	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	
Vinyl acetate	ND	43	1	B2C1222	03/17/2022	03/17/22 19:39	
Vinyl chloride	ND	4.3	1	B2C1222	03/17/2022	03/17/22 19:39	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>170 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	03/17/22 19:39
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	03/17/22 19:39
<i>Surrogate: Dibromofluoromethane</i>	<i>114 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	03/17/22 19:39
<i>Surrogate: Toluene-d8</i>	<i>111 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	03/17/22 19:39



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/24/2022

**Client Sample ID: 61W-30-6-5.5**

**Lab ID: 2200390-14**

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.83	1	B2C1365	03/24/2022	03/24/22 16:26	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.7 %</i>	<i>47.6 - 121.18</i>		B2C1365	03/24/2022	03/24/22 16:26	

**Client Sample ID: 61W-32-3-1**

**Lab ID: 2200390-16**

**Title 22 Metals by ICP-AES EPA 6010B**

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Arsenic	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
<b>Barium</b>	<b>130</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
<b>Beryllium</b>	<b>3.5</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Cadmium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
<b>Chromium</b>	<b>20</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
<b>Cobalt</b>	<b>7.6</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
<b>Copper</b>	<b>15</b>	2.0	1	B2C1257	03/18/2022	03/22/22 11:54	
<b>Lead</b>	<b>3.1</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Molybdenum	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
<b>Nickel</b>	<b>9.4</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
<b>Selenium</b>	<b>1.9</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
<b>Silver</b>	<b>7.7</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
Thallium	ND	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
<b>Vanadium</b>	<b>40</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	
<b>Zinc</b>	<b>51</b>	1.0	1	B2C1257	03/18/2022	03/22/22 11:54	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-3-5.5**  
**Lab ID: 2200390-17**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: JV

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1250	03/18/2022	03/18/22 20:04	
C23-C32	ND	10	1	B2C1250	03/18/2022	03/18/22 20:04	
<i>Surrogate: p-Terphenyl</i>	<i>92.7 %</i>	<i>62 - 141</i>		B2C1250	03/18/2022	03/18/22 20:04	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1,1-Trichloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1,2,2-Tetrachloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1,2-Trichloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1-Dichloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1-Dichloroethene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,1-Dichloropropene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2,3-Trichloropropane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2,3-Trichlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2,4-Trichlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2,4-Trimethylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2-Dibromo-3-chloropropane	ND	7.1	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2-Dibromoethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2-Dichlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2-Dichloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,2-Dichloropropane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,3,5-Trimethylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,3-Dichlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,3-Dichloropropane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
1,4-Dichlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
2,2-Dichloropropane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
2-Chlorotoluene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
4-Chlorotoluene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
4-Isopropyltoluene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Benzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Bromobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Bromochloromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Bromodichloromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Bromoform	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Bromomethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Carbon disulfide	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Carbon tetrachloride	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Chlorobenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

**Client Sample ID: 61W-32-3-5.5**  
**Lab ID: 2200390-17**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Chloroform	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Chloromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
cis-1,2-Dichloroethene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
cis-1,3-Dichloropropene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Di-isopropyl ether	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Dibromochloromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Dibromomethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Dichlorodifluoromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Ethyl Acetate	ND	36	1	B2C1222	03/17/2022	03/17/22 20:05	
Ethyl Ether	ND	36	1	B2C1222	03/17/2022	03/17/22 20:05	
Ethyl tert-butyl ether	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Ethylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Freon-113	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Hexachlorobutadiene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Isopropylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
m,p-Xylene	ND	7.1	1	B2C1222	03/17/2022	03/17/22 20:05	
Methylene chloride	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
MTBE	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
n-Butylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
n-Propylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Naphthalene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
o-Xylene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
sec-Butylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Styrene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
tert-Amyl methyl ether	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
tert-Butanol	ND	71	1	B2C1222	03/17/2022	03/17/22 20:05	
tert-Butylbenzene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Tetrachloroethene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Toluene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
trans-1,2-Dichloroethene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
trans-1,3-Dichloropropene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Trichloroethene	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Trichlorofluoromethane	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	
Vinyl acetate	ND	36	1	B2C1222	03/17/2022	03/17/22 20:05	
Vinyl chloride	ND	3.6	1	B2C1222	03/17/2022	03/17/22 20:05	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>171 %</i>	<i>66 - 200</i>		B2C1222	03/17/2022	<i>03/17/22 20:05</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>103 %</i>	<i>50 - 146</i>		B2C1222	03/17/2022	<i>03/17/22 20:05</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>113 %</i>	<i>77 - 159</i>		B2C1222	03/17/2022	<i>03/17/22 20:05</i>
<i>Surrogate: Toluene-d8</i>	<i>111 %</i>	<i>81 - 128</i>		B2C1222	03/17/2022	<i>03/17/22 20:05</i>



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/24/2022

**Client Sample ID: 61W-32-3-5.5**  
**Lab ID: 2200390-17**

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.68	1	B2C1365	03/24/2022	03/24/22 16:49	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.5 %</i>	<i>47.6 - 121.18</i>		B2C1365	03/24/2022	03/24/22 16:49	



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 Reported : 03/24/2022

### QUALITY CONTROL SECTION

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1365 - GCVOA_S</b>										
<b>Blank (B2C1365-BLK1)</b>					Prepared: 3/24/2022 Analyzed: 3/24/2022					
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6890</i>			<i>0.800000</i>		<i>86.1</i>	<i>47.6 - 121.18</i>			
<b>LCS (B2C1365-BS1)</b>					Prepared: 3/24/2022 Analyzed: 3/24/2022					
Gasoline Range Organics	5.08500	1.0	0.13	5.00000		102	58.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7427</i>			<i>0.800000</i>		<i>92.8</i>	<i>47.6 - 121.18</i>			
<b>LCS Dup (B2C1365-BS1)</b>					Prepared: 3/24/2022 Analyzed: 3/24/2022					
Gasoline Range Organics	4.96100	1.0	0.13	5.00000		99.2	58.69 - 124.04	2.47	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7476</i>			<i>0.800000</i>		<i>93.5</i>	<i>47.6 - 121.18</i>			



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Project Number : Ontario Airport / 5925  
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 Reported : 03/24/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1257 - EPA 3050B\_S**

**Blank (B2C1257-BLK1)**

Prepared: 3/18/2022 Analyzed: 3/21/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

**LCS (B2C1257-BS1)**

Prepared: 3/18/2022 Analyzed: 3/21/2022

Antimony	25.9723	2.0	0.51	25.0000	104	80 - 120
Arsenic	25.9522	1.0	0.12	25.0000	104	80 - 120
Barium	25.7893	1.0	0.12	25.0000	103	80 - 120
Beryllium	25.2361	1.0	0.03	25.0100	101	80 - 120
Cadmium	26.4426	1.0	0.14	25.0000	106	80 - 120
Chromium	25.7869	1.0	0.26	25.0000	103	80 - 120
Cobalt	27.9854	1.0	0.07	25.0000	112	80 - 120
Copper	24.6448	2.0	0.19	25.0000	98.6	80 - 120
Lead	26.7042	1.0	0.18	25.0000	107	80 - 120
Molybdenum	27.2404	1.0	0.12	25.0000	109	80 - 120
Nickel	24.6026	1.0	0.18	25.0000	98.4	80 - 120
Selenium	26.4878	1.0	0.40	25.0000	106	80 - 120
Silver	11.5767	1.0	0.12	12.5000	92.6	80 - 120
Thallium	26.5258	1.0	0.38	25.0000	106	80 - 120
Vanadium	24.3868	1.0	0.06	25.0000	97.5	80 - 120
Zinc	29.7941	1.0	0.15	25.0000	119	80 - 120

**Matrix Spike (B2C1257-MS1)**

**Source: 2200312-01**

Prepared: 3/18/2022 Analyzed: 3/21/2022

Antimony	16.0365	2.0	0.51	25.0000	1.13880	59.6	0 - 102
Arsenic	29.7337	1.0	0.12	25.0000	4.42293	101	55 - 117
Barium	141.992	1.0	0.12	25.0000	123.014	75.9	11 - 177
Beryllium	24.5485	1.0	0.03	25.0100	1.86360	90.7	64 - 115
Cadmium	25.3922	1.0	0.14	25.0000	0.684443	98.8	62 - 116
Chromium	43.3702	1.0	0.26	25.0000	21.7816	86.4	42 - 145
Cobalt	30.9380	1.0	0.07	25.0000	6.40581	98.1	60 - 126
Copper	43.7061	2.0	0.19	25.0000	14.8679	115	37 - 163
Lead	715.394	1.0	0.18	25.0000	488.488	908	26 - 161

M2



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Project Number : Ontario Airport / 5925  
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 Reported : 03/24/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1257 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1257-MS1) - Continued**

**Source: 2200312-01**

Prepared: 3/18/2022 Analyzed: 3/21/2022

Molybdenum	25.0355	1.0	0.12	25.0000	0.197933	99.4	31 - 122			
Nickel	32.7397	1.0	0.18	25.0000	10.5499	88.8	52 - 130			
Selenium	25.3232	1.0	0.40	25.0000	1.55088	95.1	25 - 129			
Silver	14.7902	1.0	0.12	12.5000	3.96163	86.6	48 - 133			
Thallium	23.4682	1.0	0.38	25.0000	0.408386	92.2	25 - 119			
Vanadium	55.0300	1.0	0.06	25.0000	33.4980	86.1	51 - 141			
Zinc	73.8490	1.0	0.15	25.0000	53.9312	79.7	8 - 170			

**Matrix Spike Dup (B2C1257-MSD1)**

**Source: 2200312-01**

Prepared: 3/18/2022 Analyzed: 3/21/2022

Antimony	15.9427	2.0	0.51	25.0000	1.13880	59.2	0 - 102	0.587	20	
Arsenic	31.2768	1.0	0.12	25.0000	4.42293	107	55 - 117	5.06	20	
Barium	141.211	1.0	0.12	25.0000	123.014	72.8	11 - 177	0.551	20	
Beryllium	24.6713	1.0	0.03	25.0100	1.86360	91.2	64 - 115	0.499	20	
Cadmium	27.2084	1.0	0.14	25.0000	0.684443	106	62 - 116	6.91	20	
Chromium	47.1074	1.0	0.26	25.0000	21.7816	101	42 - 145	8.26	20	
Cobalt	31.0847	1.0	0.07	25.0000	6.40581	98.7	60 - 126	0.473	20	
Copper	41.6144	2.0	0.19	25.0000	14.8679	107	37 - 163	4.90	20	
Lead	723.702	1.0	0.18	25.0000	488.488	941	26 - 161	1.15	20	M2
Molybdenum	25.2421	1.0	0.12	25.0000	0.197933	100	31 - 122	0.822	20	
Nickel	31.7342	1.0	0.18	25.0000	10.5499	84.7	52 - 130	3.12	20	
Selenium	25.1057	1.0	0.40	25.0000	1.55088	94.2	25 - 129	0.862	20	
Silver	15.8810	1.0	0.12	12.5000	3.96163	95.4	48 - 133	7.11	20	
Thallium	23.7486	1.0	0.38	25.0000	0.408386	93.4	25 - 119	1.19	20	
Vanadium	55.8451	1.0	0.06	25.0000	33.4980	89.4	51 - 141	1.47	20	
Zinc	76.4360	1.0	0.15	25.0000	53.9312	90.0	8 - 170	3.44	20	





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 Report To : Vinnie Robino / Josh Voss  
 Reported : 03/24/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	Limits Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1238 - EPA 7471_S</b>										
<b>Blank (B2C1238-BLK1)</b>										
Mercury	ND	0.10	0.01							
<b>LCS (B2C1238-BS1)</b>										
Mercury	0.407148	0.10	0.01	0.416667		97.7	80 - 120			
<b>Matrix Spike (B2C1238-MS1)</b>										
					<b>Source: 2200381-01</b>					
Mercury	0.286791	0.10	0.01	0.416667	0.080102	49.6	70 - 130			M2
<b>Matrix Spike Dup (B2C1238-MSD1)</b>										
					<b>Source: 2200381-01</b>					
Mercury	0.284009	0.10	0.01	0.416667	0.080102	48.9	70 - 130	0.975	20	M2



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Reported : 03/24/2022

#### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1238 - EPA 7471\_S**

**Post Spike (B2C1238-PS1)**

**Source: 2200381-01**

Prepared: 3/17/2022 Analyzed: 3/18/2022

Mercury	0.005629		5.00000E-3	0.000961	93.4	85 - 115			
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Project Number : Ontario Airport / 5925  
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 Reported : 03/24/2022

### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1250 - GCSEMI_DRO_S</b>									
<b>Blank (B2C1250-BLK1)</b>					Prepared: 3/18/2022 Analyzed: 3/18/2022				
C13-C23	ND	10	3.6						
C23-C32	ND	10	3.6						
<hr/>									
<i>Surrogate: p-Terphenyl</i>	80.88			80.0000		101	62 - 141		
<b>LCS (B2C1250-BS1)</b>					Prepared: 3/18/2022 Analyzed: 3/18/2022				
DRO	1054.33	10	3.6	1000.00		105	56 - 139		
<hr/>									
<i>Surrogate: p-Terphenyl</i>	89.47			80.0000		112	62 - 141		
<b>Matrix Spike (B2C1250-MS1)</b>					<b>Source: 2200401-01</b>		Prepared: 3/18/2022 Analyzed: 3/18/2022		
DRO	889.728	10	3.6	1000.00	12.7610	87.7	38 - 161		
<hr/>									
<i>Surrogate: p-Terphenyl</i>	94.32			80.0000		118	62 - 141		
<b>Matrix Spike Dup (B2C1250-MSD1)</b>					<b>Source: 2200401-01</b>		Prepared: 3/18/2022 Analyzed: 3/18/2022		
DRO	927.990	10	3.6	1000.00	12.7610	91.5	38 - 161	4.21	20
<hr/>									
<i>Surrogate: p-Terphenyl</i>	91.72			80.0000		115	62 - 141		



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Project Number : Ontario Airport / 5925  
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 Reported : 03/24/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1222 - MSVOA\_S**

**Blank (B2C1222-BLK1)**

Prepared: 3/17/2022 Analyzed: 3/17/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



## Certificate of Analysis

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19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 03/24/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1222 - MSVOA\_S (continued)**

**Blank (B2C1222-BLK1) - Continued**

Prepared: 3/17/2022 Analyzed: 3/17/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	72.69			50.0000	145	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	52.18			50.0000	104	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	52.46			50.0000	105	77 - 159
<i>Surrogate: Toluene-d8</i>	56.40			50.0000	113	81 - 128

**LCS (B2C1222-BS1)**

Prepared: 3/17/2022 Analyzed: 3/17/2022

1,1,1,2-Tetrachloroethane	44.6100	5.0	0.52	50.0000	89.2	84 - 123
1,1,1-Trichloroethane	62.3200	5.0	0.26	50.0000	125	78 - 133
1,1,2,2-Tetrachloroethane	39.9200	5.0	0.21	50.0000	79.8	63 - 127
1,1,2-Trichloroethane	46.8400	5.0	0.40	50.0000	93.7	80 - 125
1,1-Dichloroethane	47.4600	5.0	1.4	50.0000	94.9	77 - 128
1,1-Dichloroethene	45.1800	5.0	1.9	50.0000	90.4	69 - 138
1,1-Dichloropropene	47.5800	5.0	0.54	50.0000	95.2	80 - 133
1,2,3-Trichloropropane	43.7300	5.0	0.40	50.0000	87.5	74 - 123
1,2,3-Trichlorobenzene	45.9800	5.0	0.83	50.0000	92.0	79 - 133
1,2,4-Trichlorobenzene	44.6700	5.0	0.80	50.0000	89.3	73 - 131
1,2,4-Trimethylbenzene	46.3500	5.0	0.91	50.0000	92.7	86 - 137
1,2-Dibromo-3-chloropropane	57.2200	10	1.1	50.0000	114	62 - 127
1,2-Dibromoethane	45.8000	5.0	0.40	50.0000	91.6	83 - 126
1,2-Dichlorobenzene	42.3100	5.0	0.21	50.0000	84.6	83 - 123
1,2-Dichloroethane	64.3000	5.0	0.50	50.0000	129	76 - 128

L3



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/24/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1222 - MSVOA_S (continued)</b>									
<b>LCS (B2C1222-BS1) - Continued</b>					Prepared: 3/17/2022 Analyzed: 3/17/2022				
1,2-Dichloropropane	44.4700	5.0	0.46	50.0000		88.9	77 - 121		
1,3,5-Trimethylbenzene	44.0900	5.0	0.70	50.0000		88.2	84 - 135		
1,3-Dichlorobenzene	41.6100	5.0	0.36	50.0000		83.2	81 - 126		
1,3-Dichloropropane	42.6300	5.0	0.49	50.0000		85.3	80 - 118		
1,4-Dichlorobenzene	42.4500	5.0	0.27	50.0000		84.9	80 - 124		
2,2-Dichloropropane	55.6600	5.0	0.28	50.0000		111	72 - 135		
2-Chlorotoluene	48.2200	5.0	0.53	50.0000		96.4	81 - 127		
4-Chlorotoluene	49.8500	5.0	0.40	50.0000		99.7	83 - 127		
4-Isopropyltoluene	46.1800	5.0	0.81	50.0000		92.4	82 - 143		
Benzene	48.2600	5.0	0.36	50.0000		96.5	84 - 123		
Bromobenzene	42.8800	5.0	0.62	50.0000		85.8	80 - 122		
Bromochloromethane	48.3200	5.0	0.30	50.0000		96.6	83 - 127		
Bromodichloromethane	56.9800	5.0	0.52	50.0000		114	82 - 123		
Bromoform	48.1400	5.0	1.4	50.0000		96.3	80 - 132		
Bromomethane	55.1800	5.0	2.5	50.0000		110	67 - 176		
Carbon disulfide	40.7600	5.0	0.94	50.0000		81.5	75 - 138		
Carbon tetrachloride	63.6000	5.0	0.73	50.0000		127	76 - 131		
Chlorobenzene	42.6700	5.0	0.42	50.0000		85.3	84 - 119		
Chloroethane	49.6000	5.0	1.5	50.0000		99.2	56 - 170		
Chloroform	53.6100	5.0	0.24	50.0000		107	78 - 129		
Chloromethane	38.8000	5.0	1.1	50.0000		77.6	63 - 141		
cis-1,2-Dichloroethene	64.9000	5.0	0.20	50.0000		130	83 - 125		L3
cis-1,3-Dichloropropene	46.6500	5.0	0.39	50.0000		93.3	76 - 129		
Di-isopropyl ether	42.1900	5.0	1.9	50.0000		84.4	73 - 132		
Dibromochloromethane	48.5600	5.0	0.81	50.0000		97.1	81 - 120		
Dibromomethane	50.2900	5.0	0.23	50.0000		101	79 - 124		
Dichlorodifluoromethane	48.0900	5.0	0.14	50.0000		96.2	18 - 199		
Ethyl Acetate	23.0600	50	7.0	500.000		4.61	76 - 138		MO
Ethyl Ether	514.750	50	17	500.000		103	74 - 128		
Ethyl tert-butyl ether	46.9200	5.0	0.85	50.0000		93.8	50 - 175		
Ethylbenzene	47.5900	5.0	0.43	50.0000		95.2	86 - 130		
Freon-113	47.7700	5.0	1.3	50.0000		95.5	66 - 132		
Hexachlorobutadiene	51.3700	5.0	0.40	50.0000		103	64 - 135		
Isopropylbenzene	45.1100	5.0	0.79	50.0000		90.2	80 - 133		
m,p-Xylene	96.0800	10	0.98	100.000		96.1	89 - 133		
Methylene chloride	42.6800	5.0	2.2	50.0000		85.4	72 - 143		
MTBE	47.5500	5.0	0.81	50.0000		95.1	73 - 136		
n-Butylbenzene	47.0400	5.0	1.2	50.0000		94.1	76 - 144		
n-Propylbenzene	45.7400	5.0	0.78	50.0000		91.5	81 - 136		
Naphthalene	36.1700	5.0	1.1	50.0000		72.3	64 - 128		
o-Xylene	48.6300	5.0	0.67	50.0000		97.3	82 - 134		
sec-Butylbenzene	44.5000	5.0	0.63	50.0000		89.0	81 - 138		
Styrene	42.2100	5.0	0.45	50.0000		84.4	79 - 152		
tert-Amyl methyl ether	43.8200	5.0	1.1	50.0000		87.6	48 - 166		
tert-Butanol	206.530	100	11	250.000		82.6	48 - 148		



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 03/24/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1222 - MSVOA\_S (continued)**

**LCS (B2C1222-BS1) - Continued**

Prepared: 3/17/2022 Analyzed: 3/17/2022

tert-Butylbenzene	43.4000	5.0	0.80	50.0000		86.8	81 - 135		
Tetrachloroethene	44.5900	5.0	0.31	50.0000		89.2	75 - 127		
Toluene	50.8300	5.0	0.27	50.0000		102	88 - 130		
trans-1,2-Dichloroethene	36.8700	5.0	0.56	50.0000		73.7	79 - 127		L3
trans-1,3-Dichloropropene	51.4500	5.0	0.59	50.0000		103	80 - 130		
Trichloroethene	47.0100	5.0	0.32	50.0000		94.0	83 - 126		
Trichlorofluoromethane	66.3800	5.0	1.0	50.0000		133	62 - 143		
Vinyl acetate	97.2200	50	6.0	500.000		19.4	69 - 150		MO
Vinyl chloride	43.2400	5.0	0.92	50.0000		86.5	69 - 140		

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>70.77</i>			<i>50.0000</i>		<i>142</i>	<i>66 - 200</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>54.84</i>			<i>50.0000</i>		<i>110</i>	<i>50 - 146</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>54.21</i>			<i>50.0000</i>		<i>108</i>	<i>77 - 159</i>		
<i>Surrogate: Toluene-d8</i>	<i>57.87</i>			<i>50.0000</i>		<i>116</i>	<i>81 - 128</i>		

**LCS Dup (B2C1222-BSD1)**

Prepared: 3/17/2022 Analyzed: 3/17/2022

1,1,1,2-Tetrachloroethane	45.3800	5.0	0.52	50.0000		90.8	84 - 123	1.71	20	
1,1,1-Trichloroethane	66.7700	5.0	0.26	50.0000		134	78 - 133	6.89	20	L4
1,1,2,2-Tetrachloroethane	40.7800	5.0	0.21	50.0000		81.6	63 - 127	2.13	20	
1,1,2-Trichloroethane	42.5000	5.0	0.40	50.0000		85.0	80 - 125	9.72	20	
1,1-Dichloroethane	51.5400	5.0	1.4	50.0000		103	77 - 128	8.24	20	
1,1-Dichloroethene	49.5200	5.0	1.9	50.0000		99.0	69 - 138	9.17	20	
1,1-Dichloropropene	44.7400	5.0	0.54	50.0000		89.5	80 - 133	6.15	20	
1,2,3-Trichloropropane	41.4700	5.0	0.40	50.0000		82.9	74 - 123	5.31	20	
1,2,3-Trichlorobenzene	43.1500	5.0	0.83	50.0000		86.3	79 - 133	6.35	20	
1,2,4-Trichlorobenzene	44.6700	5.0	0.80	50.0000		89.3	73 - 131	0.00	20	
1,2,4-Trimethylbenzene	43.7400	5.0	0.91	50.0000		87.5	86 - 137	5.79	20	
1,2-Dibromo-3-chloropropane	57.0200	10	1.1	50.0000		114	62 - 127	0.350	20	
1,2-Dibromoethane	43.5200	5.0	0.40	50.0000		87.0	83 - 126	5.11	20	
1,2-Dichlorobenzene	42.0200	5.0	0.21	50.0000		84.0	83 - 123	0.688	20	
1,2-Dichloroethane	61.9400	5.0	0.50	50.0000		124	76 - 128	3.74	20	
1,2-Dichloropropane	42.6800	5.0	0.46	50.0000		85.4	77 - 121	4.11	20	
1,3,5-Trimethylbenzene	45.1400	5.0	0.70	50.0000		90.3	84 - 135	2.35	20	
1,3-Dichlorobenzene	40.4400	5.0	0.36	50.0000		80.9	81 - 126	2.85	20	L3
1,3-Dichloropropane	43.2300	5.0	0.49	50.0000		86.5	80 - 118	1.40	20	
1,4-Dichlorobenzene	40.9700	5.0	0.27	50.0000		81.9	80 - 124	3.55	20	
2,2-Dichloropropane	61.8600	5.0	0.28	50.0000		124	72 - 135	10.6	20	
2-Chlorotoluene	46.6300	5.0	0.53	50.0000		93.3	81 - 127	3.35	20	
4-Chlorotoluene	49.4200	5.0	0.40	50.0000		98.8	83 - 127	0.866	20	
4-Isopropyltoluene	46.3400	5.0	0.81	50.0000		92.7	82 - 143	0.346	20	
Benzene	46.7300	5.0	0.36	50.0000		93.5	84 - 123	3.22	20	
Bromobenzene	41.1000	5.0	0.62	50.0000		82.2	80 - 122	4.24	20	
Bromochloromethane	47.0800	5.0	0.30	50.0000		94.2	83 - 127	2.60	20	
Bromodichloromethane	53.8000	5.0	0.52	50.0000		108	82 - 123	5.74	20	
Bromoform	50.3700	5.0	1.4	50.0000		101	80 - 132	4.53	20	
Bromomethane	58.1000	5.0	2.5	50.0000		116	67 - 176	5.16	20	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 03/24/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1222 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2C1222-BSD1) - Continued</b>					Prepared: 3/17/2022 Analyzed: 3/17/2022				
Carbon disulfide	43.8800	5.0	0.94	50.0000		87.8	75 - 138	7.37	20
Carbon tetrachloride	66.0400	5.0	0.73	50.0000		132	76 - 131	3.76	20 L4
Chlorobenzene	43.0600	5.0	0.42	50.0000		86.1	84 - 119	0.910	20
Chloroethane	54.8300	5.0	1.5	50.0000		110	56 - 170	10.0	20
Chloroform	54.8800	5.0	0.24	50.0000		110	78 - 129	2.34	20
Chloromethane	39.4200	5.0	1.1	50.0000		78.8	63 - 141	1.59	20
cis-1,2-Dichloroethene	66.7200	5.0	0.20	50.0000		133	83 - 125	2.77	20 L5
cis-1,3-Dichloropropene	45.0300	5.0	0.39	50.0000		90.1	76 - 129	3.53	20
Di-isopropyl ether	43.6200	5.0	1.9	50.0000		87.2	73 - 132	3.33	20
Dibromochloromethane	48.6700	5.0	0.81	50.0000		97.3	81 - 120	0.226	20
Dibromomethane	49.7500	5.0	0.23	50.0000		99.5	79 - 124	1.08	20
Dichlorodifluoromethane	51.1600	5.0	0.14	50.0000		102	18 - 199	6.19	20
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138	NR	20 MO
Ethyl Ether	531.740	50	17	500.000		106	74 - 128	3.25	20
Ethyl tert-butyl ether	46.9800	5.0	0.85	50.0000		94.0	50 - 175	0.128	20
Ethylbenzene	48.9700	5.0	0.43	50.0000		97.9	86 - 130	2.86	20
Freon-113	52.8600	5.0	1.3	50.0000		106	66 - 132	10.1	20
Hexachlorobutadiene	56.8800	5.0	0.40	50.0000		114	64 - 135	10.2	20
Isopropylbenzene	45.5200	5.0	0.79	50.0000		91.0	80 - 133	0.905	20
m,p-Xylene	98.1300	10	0.98	100.000		98.1	89 - 133	2.11	20
Methylene chloride	47.1700	5.0	2.2	50.0000		94.3	72 - 143	9.99	20
MTBE	48.2600	5.0	0.81	50.0000		96.5	73 - 136	1.48	20
n-Butylbenzene	46.9900	5.0	1.2	50.0000		94.0	76 - 144	0.106	20
n-Propylbenzene	46.7800	5.0	0.78	50.0000		93.6	81 - 136	2.25	20
Naphthalene	34.2800	5.0	1.1	50.0000		68.6	64 - 128	5.37	20
o-Xylene	49.2200	5.0	0.67	50.0000		98.4	82 - 134	1.21	20
sec-Butylbenzene	44.4300	5.0	0.63	50.0000		88.9	81 - 138	0.157	20
Styrene	41.7100	5.0	0.45	50.0000		83.4	79 - 152	1.19	20
tert-Amyl methyl ether	45.0200	5.0	1.1	50.0000		90.0	48 - 166	2.70	20
tert-Butanol	212.700	100	11	250.000		85.1	48 - 148	2.94	20
tert-Butylbenzene	45.7700	5.0	0.80	50.0000		91.5	81 - 135	5.32	20
Tetrachloroethene	48.2500	5.0	0.31	50.0000		96.5	75 - 127	7.88	20
Toluene	49.6200	5.0	0.27	50.0000		99.2	88 - 130	2.41	20
trans-1,2-Dichloroethene	38.6800	5.0	0.56	50.0000		77.4	79 - 127	4.79	20 L3
trans-1,3-Dichloropropene	50.0600	5.0	0.59	50.0000		100	80 - 130	2.74	20
Trichloroethene	47.1000	5.0	0.32	50.0000		94.2	83 - 126	0.191	20
Trichlorofluoromethane	71.5100	5.0	1.0	50.0000		143	62 - 143	7.44	20 L4
Vinyl acetate	99.4500	50	6.0	500.000		19.9	69 - 150	2.27	20 MO
Vinyl chloride	49.4900	5.0	0.92	50.0000		99.0	69 - 140	13.5	20

Surrogate: 1,2-Dichloroethane-d4	73.46			50.0000		147	66 - 200		
Surrogate: 4-Bromofluorobenzene	55.20			50.0000		110	50 - 146		
Surrogate: Dibromofluoromethane	55.82			50.0000		112	77 - 159		
Surrogate: Toluene-d8	56.11			50.0000		112	81 - 128		





2200390 302

<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		<b>PROJECT NAME:</b> Ontario Airport					
<b>PROJECT CONTACT:</b> Winnie Robino / Josh Voss		<b>PROJECT NO.:</b> 5925					
<b>GLOBAL ID:</b> vprobino@gsi-net.com / cvoss@gsi-net.com		<b>LAB CONTACT:</b> Victoria Michel					
<b>TEL:</b> (949) 679-1070		<b>SAMPLER(S): (PRINT)</b> Triam Novin / Josh Voss					
<b>LABORATORY:</b> Advanced Technology Laboratories		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.					
<b>TURNAROUND TIME:</b> <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD		Herbicides 8051 OCPs 8081A PCBs 8082 PAHs 8270 SIM SVOCs 8270C DRO/ORO 8015 GRO 8015 VOCs 8260B T22 6010B/7471A					
<b>SPECIAL INSTRUCTIONS:</b> GRO = C4-C12; DRO = C13-C22; ORO = C23-C32		Field Filtered Preserved Unpreserved					
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Requested Analytes	
		DATE	TIME			T22 6010B/7471A	Field Filtered
16	6112-32-3-1	3/15/22	1346	Soil	1		
17	6112-32-3-5.5	3/15/22	1353	Soil	5	X	X
Received by: (Signature) <i>[Signature]</i> Date: 3/15/22 Time: 17:05 Relinquished by: (Signature) <i>[Signature]</i> Date: 3/15/22 Time: 19:18 Relinquished by: (Signature) <i>[Signature]</i> Date: 3/15/22 Time: 19:18							

April 01, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

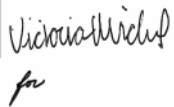
ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200396  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 16, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 04/01/22 17:07 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-30-4-1	2200396-01	Soil	3/16/22 8:32	3/16/22 18:27
61W-30-4-5.5	2200396-02	Soil	3/16/22 8:51	3/16/22 18:27
61W-30-5-1	2200396-03	Soil	3/16/22 9:12	3/16/22 18:27
61W-30-5-5.5	2200396-04	Soil	3/16/22 9:26	3/16/22 18:27
61W-30-2-1	2200396-05	Soil	3/16/22 9:59	3/16/22 18:27
61W-30-2-5.5	2200396-06	Soil	3/16/22 10:11	3/16/22 18:27
61W-30-3-1	2200396-07	Soil	3/16/22 10:54	3/16/22 18:27
61W-30-3-5.5	2200396-08	Soil	3/16/22 11:01	3/16/22 18:27
61W-30-1-1	2200396-09	Soil	3/16/22 11:34	3/16/22 18:27
61W-30-1-5.5	2200396-10	Soil	3/16/22 11:44	3/16/22 18:27
61W-30-7-1	2200396-11	Soil	3/16/22 12:08	3/16/22 18:27
61W-30-7-5.5	2200396-12	Soil	3/16/22 12:23	3/16/22 18:27
TB_20220316	2200396-13	Water	3/16/22 13:28	3/16/22 18:27
61W-30-8-1	2200396-14	Soil	3/16/22 13:35	3/16/22 18:27
61W-30-8-5.5	2200396-15	Soil	3/16/22 14:32	3/16/22 18:27



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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

## Notes and Definitions

- R RPD value outside acceptance criteria. Calculation is based on raw values.
- MO Manufacturer omitted analyte within the stock standard.
- L4 Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
- L3 Laboratory control sample outside in-house established limits but within method criteria.
- ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)

- Notes:
- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
  - (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
  - (3) Results are wet unless otherwise specified.

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200396-01	61W-30-4-1	ND	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22	15:39	
2200396-03	61W-30-5-1	ND	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22	16:15	
2200396-05	61W-30-2-1	ND	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22	16:18	
2200396-07	61W-30-3-1	ND	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22	16:21	
2200396-09	61W-30-1-1	ND	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22	16:24	
2200396-11	61W-30-7-1	ND	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22	16:27	
2200396-14	61W-30-8-1	ND	mg/kg	0.10	1	B2C1308	03/22/2022	03/22/22	16:30	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-4-1**  
**Lab ID: 2200396-01**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
<b>Barium</b>	<b>88</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
<b>Beryllium</b>	<b>2.3</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
<b>Cobalt</b>	<b>4.6</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
<b>Copper</b>	<b>9.3</b>	2.0	1	B2C1313	03/22/2022	03/23/22 14:16	
<b>Lead</b>	<b>3.5</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Nickel	<b>6.2</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Selenium	<b>1.2</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Silver	<b>5.0</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
<b>Vanadium</b>	<b>28</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	
<b>Zinc</b>	<b>37</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:16	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-4-5.5**  
**Lab ID: 2200396-02**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 19:41	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 19:41	
<i>Surrogate: p-Terphenyl</i>	<i>117 %</i>	<i>62 - 141</i>		B2C1312	03/22/2022	<i>03/23/22 19:41</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1,1-Trichloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1,2-Trichloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1-Dichloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1-Dichloroethene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,1-Dichloropropene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2,3-Trichloropropane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2-Dibromoethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2-Dichlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2-Dichloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,2-Dichloropropane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,3-Dichlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,3-Dichloropropane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
1,4-Dichlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
2,2-Dichloropropane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
2-Chlorotoluene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
4-Chlorotoluene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
4-Isopropyltoluene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Benzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Bromobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Bromochloromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Bromodichloromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Bromoform	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Bromomethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Carbon disulfide	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-4-5.5**  
**Lab ID: 2200396-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Chlorobenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Chloroethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Chloroform	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Chloromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Di-isopropyl ether	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Dibromochloromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Dibromomethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Dichlorodifluoromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Ethyl Acetate	ND	43	1	B2C1221	03/17/2022	03/17/22 15:52	
Ethyl Ether	ND	43	1	B2C1221	03/17/2022	03/17/22 15:52	
Ethyl tert-butyl ether	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Ethylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Freon-113	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Hexachlorobutadiene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Isopropylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
m,p-Xylene	ND	8.7	1	B2C1221	03/17/2022	03/17/22 15:52	
Methylene chloride	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
MTBE	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
n-Butylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
n-Propylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Naphthalene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
o-Xylene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
sec-Butylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Styrene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
tert-Amyl methyl ether	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
tert-Butanol	ND	87	1	B2C1221	03/17/2022	03/17/22 15:52	
tert-Butylbenzene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Tetrachloroethene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Toluene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
<b>Trichloroethene</b>	<b>14</b>	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Trichlorofluoromethane	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	
Vinyl acetate	ND	43	1	B2C1221	03/17/2022	03/17/22 15:52	
Vinyl chloride	ND	4.3	1	B2C1221	03/17/2022	03/17/22 15:52	

Surrogate: 1,2-Dichloroethane-d4      150 %      66 - 200      B2C1221      03/17/2022      03/17/22 15:52  
 Surrogate: 4-Bromofluorobenzene      89.5 %      50 - 146      B2C1221      03/17/2022      03/17/22 15:52





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-4-5.5**

**Lab ID: 2200396-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	130 %	77 - 159		B2C1221	03/17/2022	03/17/22 15:52	
<i>Surrogate: Toluene-d8</i>	91.4 %	81 - 128		B2C1221	03/17/2022	03/17/22 15:52	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1365	03/24/2022	03/24/22 17:13	
<i>Surrogate: 4-Bromofluorobenzene</i>	88.5 %	47.6 - 121.18		B2C1365	03/24/2022	03/24/22 17:13	

**Client Sample ID: 61W-30-5-1**

**Lab ID: 2200396-03**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
<b>Barium</b>	<b>91</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
<b>Cobalt</b>	<b>4.8</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
<b>Copper</b>	<b>7.9</b>	2.0	1	B2C1313	03/22/2022	03/23/22 14:32	
<b>Lead</b>	<b>3.2</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
<b>Nickel</b>	<b>6.0</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Selenium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
<b>Silver</b>	<b>5.4</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
<b>Vanadium</b>	<b>29</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	
<b>Zinc</b>	<b>36</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:32	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-5-5.5**

**Lab ID: 2200396-04**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 20:02	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 20:02	
<i>Surrogate: p-Terphenyl</i>	<i>92.2 %</i>	<i>62 - 141</i>		B2C1312	03/22/2022	<i>03/23/22 20:02</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1,1-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1,2-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,1-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2,3-Trichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2-Dibromoethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,3-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,3-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
1,4-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
2,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
2-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
4-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
4-Isopropyltoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Benzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Bromobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Bromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Bromodichloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Bromoform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Bromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Carbon disulfide	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-5-5.5**  
**Lab ID: 2200396-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Chlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Chloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Chloroform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Chloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Di-isopropyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Dibromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Dibromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Dichlorodifluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Ethyl Acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 16:18	
Ethyl Ether	ND	42	1	B2C1221	03/17/2022	03/17/22 16:18	
Ethyl tert-butyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Ethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Freon-113	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Hexachlorobutadiene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Isopropylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
m,p-Xylene	ND	8.5	1	B2C1221	03/17/2022	03/17/22 16:18	
Methylene chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
MTBE	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
n-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
n-Propylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Naphthalene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
o-Xylene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
sec-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Styrene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
tert-Amyl methyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
tert-Butanol	ND	85	1	B2C1221	03/17/2022	03/17/22 16:18	
tert-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Tetrachloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Toluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
<b>Trichloroethene</b>	<b>7.1</b>	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Trichlorofluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	
Vinyl acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 16:18	
Vinyl chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 16:18	

Surrogate: 1,2-Dichloroethane-d4      152 %      66 - 200      B2C1221      03/17/2022      03/17/22 16:18  
 Surrogate: 4-Bromofluorobenzene      91.0 %      50 - 146      B2C1221      03/17/2022      03/17/22 16:18



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: 61W-30-5-5.5**

**Lab ID: 2200396-04**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	127 %	77 - 159		B2C1221	03/17/2022	03/17/22 16:18	
<i>Surrogate: Toluene-d8</i>	94.2 %	81 - 128		B2C1221	03/17/2022	03/17/22 16:18	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1365	03/24/2022	03/24/22 17:36	
<i>Surrogate: 4-Bromofluorobenzene</i>	85.8 %	47.6 - 121.18		B2C1365	03/24/2022	03/24/22 17:36	

**Client Sample ID: 61W-30-2-1**

**Lab ID: 2200396-05**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
<b>Barium</b>	<b>91</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
<b>Cobalt</b>	<b>4.7</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
<b>Copper</b>	<b>7.7</b>	2.0	1	B2C1313	03/22/2022	03/23/22 14:34	
<b>Lead</b>	<b>3.1</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
<b>Nickel</b>	<b>5.8</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
<b>Selenium</b>	<b>1.2</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
<b>Silver</b>	<b>5.4</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
<b>Vanadium</b>	<b>28</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	
<b>Zinc</b>	<b>36</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:34	



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 04/01/2022

**Client Sample ID: 61W-30-2-5.5**

**Lab ID: 2200396-06**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 20:23	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 20:23	
<i>Surrogate: p-Terphenyl</i>	<i>120 %</i>	<i>62 - 141</i>		B2C1312	03/22/2022	<i>03/23/22 20:23</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1,1-Trichloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1,2-Trichloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1-Dichloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1-Dichloroethene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,1-Dichloropropene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2,3-Trichloropropane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2-Dibromoethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2-Dichlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2-Dichloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,2-Dichloropropane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,3-Dichlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,3-Dichloropropane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
1,4-Dichlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
2,2-Dichloropropane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
2-Chlorotoluene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
4-Chlorotoluene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
4-Isopropyltoluene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Benzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Bromobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Bromochloromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Bromodichloromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Bromoform	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Bromomethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Carbon disulfide	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: 61W-30-2-5.5**  
**Lab ID: 2200396-06**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Chlorobenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Chloroethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Chloroform	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Chloromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Di-isopropyl ether	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Dibromochloromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Dibromomethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Dichlorodifluoromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Ethyl Acetate	ND	41	1	B2C1221	03/17/2022	03/17/22 16:44	
Ethyl Ether	ND	41	1	B2C1221	03/17/2022	03/17/22 16:44	
Ethyl tert-butyl ether	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Ethylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Freon-113	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Hexachlorobutadiene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Isopropylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
m,p-Xylene	ND	8.2	1	B2C1221	03/17/2022	03/17/22 16:44	
Methylene chloride	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
MTBE	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
n-Butylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
n-Propylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Naphthalene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
o-Xylene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
sec-Butylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Styrene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
tert-Amyl methyl ether	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
tert-Butanol	ND	82	1	B2C1221	03/17/2022	03/17/22 16:44	
tert-Butylbenzene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Tetrachloroethene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Toluene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
<b>Trichloroethene</b>	<b>7.9</b>	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Trichlorofluoromethane	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	
Vinyl acetate	ND	41	1	B2C1221	03/17/2022	03/17/22 16:44	
Vinyl chloride	ND	4.1	1	B2C1221	03/17/2022	03/17/22 16:44	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>155 %</i>	<i>66 - 200</i>	B2C1221	03/17/2022	03/17/22 16:44
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.3 %</i>	<i>50 - 146</i>	B2C1221	03/17/2022	03/17/22 16:44



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 04/01/2022

**Client Sample ID: 61W-30-2-5.5**

**Lab ID: 2200396-06**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	121 %	77 - 159		B2C1221	03/17/2022	03/17/22 16:44	
<i>Surrogate: Toluene-d8</i>	90.1 %	81 - 128		B2C1221	03/17/2022	03/17/22 16:44	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C1365	03/24/2022	03/24/22 18:00	
<i>Surrogate: 4-Bromofluorobenzene</i>	87.0 %	47.6 - 121.18		B2C1365	03/24/2022	03/24/22 18:00	

**Client Sample ID: 61W-30-3-1**

**Lab ID: 2200396-07**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
<b>Barium</b>	<b>76</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
<b>Beryllium</b>	<b>2.2</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
<b>Cobalt</b>	<b>4.1</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
<b>Copper</b>	<b>8.0</b>	2.0	1	B2C1313	03/22/2022	03/23/22 14:35	
<b>Lead</b>	<b>4.7</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
<b>Nickel</b>	<b>5.6</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Selenium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
<b>Silver</b>	<b>4.8</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
<b>Vanadium</b>	<b>27</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	
<b>Zinc</b>	<b>36</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:35	



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 04/01/2022

**Client Sample ID: 61W-30-3-5.5**

**Lab ID: 2200396-08**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 20:44	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 20:44	
<i>Surrogate: p-Terphenyl</i>	<i>118 %</i>	<i>62 - 141</i>		B2C1312	03/22/2022	<i>03/23/22 20:44</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1,1-Trichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1,2,2-Tetrachloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1,2-Trichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1-Dichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,1-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2,3-Trichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2,3-Trichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2,4-Trichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2,4-Trimethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2-Dibromo-3-chloropropane	ND	7.6	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2-Dibromoethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2-Dichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,2-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,3,5-Trimethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,3-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,3-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
1,4-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
2,2-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
2-Chlorotoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
4-Chlorotoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
4-Isopropyltoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Benzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Bromobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Bromochloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Bromodichloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Bromoform	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Bromomethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Carbon disulfide	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	





## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-3-5.5**  
**Lab ID: 2200396-08**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Chlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Chloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Chloroform	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Chloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
cis-1,2-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
cis-1,3-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Di-isopropyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Dibromochloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Dibromomethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Dichlorodifluoromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Ethyl Acetate	ND	38	1	B2C1221	03/17/2022	03/17/22 17:10	
Ethyl Ether	ND	38	1	B2C1221	03/17/2022	03/17/22 17:10	
Ethyl tert-butyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Ethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Freon-113	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Hexachlorobutadiene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Isopropylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
m,p-Xylene	ND	7.6	1	B2C1221	03/17/2022	03/17/22 17:10	
Methylene chloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
MTBE	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
n-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
n-Propylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Naphthalene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
o-Xylene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
sec-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Styrene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
tert-Amyl methyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
tert-Butanol	ND	76	1	B2C1221	03/17/2022	03/17/22 17:10	
tert-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Tetrachloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Toluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
trans-1,2-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
trans-1,3-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
<b>Trichloroethene</b>	<b>34</b>	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Trichlorofluoromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	
Vinyl acetate	ND	38	1	B2C1221	03/17/2022	03/17/22 17:10	
Vinyl chloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 17:10	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>141 %</i>	<i>66 - 200</i>	B2C1221	03/17/2022	03/17/22 17:10
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.9 %</i>	<i>50 - 146</i>	B2C1221	03/17/2022	03/17/22 17:10



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-3-5.5**  
**Lab ID: 2200396-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	126 %	77 - 159		B2C1221	03/17/2022	03/17/22 17:10	
Surrogate: Toluene-d8	93.9 %	81 - 128		B2C1221	03/17/2022	03/17/22 17:10	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.75	1	B2C1365	03/24/2022	03/24/22 18:23	
Surrogate: 4-Bromofluorobenzene	88.0 %	47.6 - 121.18		B2C1365	03/24/2022	03/24/22 18:23	

**Client Sample ID: 61W-30-1-1**  
**Lab ID: 2200396-09**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
<b>Barium</b>	<b>82</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
<b>Cobalt</b>	<b>4.7</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
<b>Copper</b>	<b>9.0</b>	2.0	1	B2C1313	03/22/2022	03/23/22 14:37	
<b>Lead</b>	<b>2.6</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
<b>Nickel</b>	<b>10</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Selenium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
<b>Silver</b>	<b>5.3</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
<b>Vanadium</b>	<b>27</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	
<b>Zinc</b>	<b>34</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:37	



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 04/01/2022

**Client Sample ID: 61W-30-1-5.5**

**Lab ID: 2200396-10**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 21:05	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 21:05	
<i>Surrogate: p-Terphenyl</i>	<i>109 %</i>	<i>62 - 141</i>		B2C1312	03/22/2022	<i>03/23/22 21:05</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1,1-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1,2-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,1-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2,3-Trichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2-Dibromo-3-chloropropane	ND	8.3	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2-Dibromoethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,3-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,3-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
1,4-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
2,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
2-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
4-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
4-Isopropyltoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Benzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Bromobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Bromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Bromodichloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Bromoform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Bromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Carbon disulfide	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-1-5.5**  
**Lab ID: 2200396-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Chlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Chloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Chloroform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Chloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Di-isopropyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Dibromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Dibromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Dichlorodifluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Ethyl Acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 17:36	
Ethyl Ether	ND	42	1	B2C1221	03/17/2022	03/17/22 17:36	
Ethyl tert-butyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Ethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Freon-113	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Hexachlorobutadiene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Isopropylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
m,p-Xylene	ND	8.3	1	B2C1221	03/17/2022	03/17/22 17:36	
Methylene chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
MTBE	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
n-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
n-Propylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Naphthalene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
o-Xylene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
sec-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Styrene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
tert-Amyl methyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
tert-Butanol	ND	83	1	B2C1221	03/17/2022	03/17/22 17:36	
tert-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Tetrachloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Toluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
<b>Trichloroethene</b>	<b>24</b>	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Trichlorofluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	
Vinyl acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 17:36	
Vinyl chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 17:36	

Surrogate: 1,2-Dichloroethane-d4      158 %      66 - 200      B2C1221      03/17/2022      03/17/22 17:36  
 Surrogate: 4-Bromofluorobenzene      92.4 %      50 - 146      B2C1221      03/17/2022      03/17/22 17:36



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-1-5.5**  
**Lab ID: 2200396-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	136 %	77 - 159		B2C1221	03/17/2022	03/17/22 17:36	
Surrogate: Toluene-d8	89.8 %	81 - 128		B2C1221	03/17/2022	03/17/22 17:36	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C1365	03/24/2022	03/24/22 18:47	
Surrogate: 4-Bromofluorobenzene	88.5 %	47.6 - 121.18		B2C1365	03/24/2022	03/24/22 18:47	

**Client Sample ID: 61W-30-7-1**  
**Lab ID: 2200396-11**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
<b>Barium</b>	<b>85</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
<b>Cobalt</b>	<b>4.5</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
<b>Copper</b>	<b>8.7</b>	2.0	1	B2C1313	03/22/2022	03/23/22 14:38	
<b>Lead</b>	<b>6.2</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
<b>Nickel</b>	<b>5.9</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
<b>Selenium</b>	<b>1.1</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
<b>Silver</b>	<b>5.5</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
<b>Vanadium</b>	<b>27</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	
<b>Zinc</b>	<b>38</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:38	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-7-5.5**

**Lab ID: 2200396-12**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 21:26	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 21:26	
<i>Surrogate: p-Terphenyl</i>	<i>120 %</i>	<i>62 - 141</i>		B2C1312	03/22/2022	<i>03/23/22 21:26</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
<b>1,1,1-Trichloroethane</b>	<b>5.8</b>	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,1,2,2-Tetrachloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,1,2-Trichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,1-Dichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,1-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,1-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2,3-Trichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2,3-Trichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2,4-Trichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2,4-Trimethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2-Dibromo-3-chloropropane	ND	7.6	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2-Dibromoethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2-Dichloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,2-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,3,5-Trimethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,3-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,3-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
1,4-Dichlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
2,2-Dichloropropane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
2-Chlorotoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
4-Chlorotoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
4-Isopropyltoluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Benzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Bromobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Bromochloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Bromodichloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Bromoform	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Bromomethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Carbon disulfide	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-7-5.5**  
**Lab ID: 2200396-12**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Chlorobenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Chloroethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Chloroform	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Chloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
cis-1,2-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
cis-1,3-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Di-isopropyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Dibromochloromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Dibromomethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Dichlorodifluoromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Ethyl Acetate	ND	38	1	B2C1221	03/17/2022	03/17/22 18:03	
Ethyl Ether	ND	38	1	B2C1221	03/17/2022	03/17/22 18:03	
Ethyl tert-butyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Ethylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Freon-113	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Hexachlorobutadiene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Isopropylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
m,p-Xylene	ND	7.6	1	B2C1221	03/17/2022	03/17/22 18:03	
Methylene chloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
MTBE	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
n-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
n-Propylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Naphthalene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
o-Xylene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
sec-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Styrene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
tert-Amyl methyl ether	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
tert-Butanol	ND	76	1	B2C1221	03/17/2022	03/17/22 18:03	
tert-Butylbenzene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Tetrachloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Toluene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
trans-1,2-Dichloroethene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
trans-1,3-Dichloropropene	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
<b>Trichloroethene</b>	<b>52</b>	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Trichlorofluoromethane	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	
Vinyl acetate	ND	38	1	B2C1221	03/17/2022	03/17/22 18:03	
Vinyl chloride	ND	3.8	1	B2C1221	03/17/2022	03/17/22 18:03	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>166 %</i>	<i>66 - 200</i>	B2C1221	03/17/2022	03/17/22 18:03
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.2 %</i>	<i>50 - 146</i>	B2C1221	03/17/2022	03/17/22 18:03



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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-7-5.5**  
**Lab ID: 2200396-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	142 %	77 - 159		B2C1221	03/17/2022	03/17/22 18:03	
Surrogate: Toluene-d8	86.9 %	81 - 128		B2C1221	03/17/2022	03/17/22 18:03	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.75	1	B2C1365	03/24/2022	03/24/22 19:11	
Surrogate: 4-Bromofluorobenzene	90.3 %	47.6 - 121.18		B2C1365	03/24/2022	03/24/22 19:11	

**Client Sample ID: 61W-30-8-1**  
**Lab ID: 2200396-14**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Arsenic	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
<b>Barium</b>	<b>96</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
<b>Beryllium</b>	<b>2.7</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Cadmium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
<b>Chromium</b>	<b>17</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
<b>Cobalt</b>	<b>4.7</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
<b>Copper</b>	<b>8.4</b>	2.0	1	B2C1313	03/22/2022	03/23/22 14:40	
<b>Lead</b>	<b>3.6</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Molybdenum	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
<b>Nickel</b>	<b>16</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
<b>Selenium</b>	<b>1.7</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
<b>Silver</b>	<b>6.7</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
Thallium	ND	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
<b>Vanadium</b>	<b>29</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	
<b>Zinc</b>	<b>39</b>	1.0	1	B2C1313	03/22/2022	03/23/22 14:40	





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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-8-5.5**

**Lab ID: 2200396-15**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1312	03/22/2022	03/23/22 21:47	
C23-C32	ND	10	1	B2C1312	03/22/2022	03/23/22 21:47	
<i>Surrogate: p-Terphenyl</i>	<i>97.3 %</i>	<i>62 - 141</i>		B2C1312	03/22/2022	<i>03/23/22 21:47</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1,1-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1,2-Trichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,1-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2,3-Trichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2-Dibromoethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2-Dichloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,3-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,3-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
1,4-Dichlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
2,2-Dichloropropane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
2-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
4-Chlorotoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
4-Isopropyltoluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Benzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Bromobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Bromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Bromodichloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Bromoform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Bromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Carbon disulfide	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: 61W-30-8-5.5**  
**Lab ID: 2200396-15**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Chlorobenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Chloroethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Chloroform	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Chloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Di-isopropyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Dibromochloromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Dibromomethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Dichlorodifluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Ethyl Acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 18:29	
Ethyl Ether	ND	42	1	B2C1221	03/17/2022	03/17/22 18:29	
Ethyl tert-butyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Ethylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Freon-113	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Hexachlorobutadiene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Isopropylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
m,p-Xylene	ND	8.4	1	B2C1221	03/17/2022	03/17/22 18:29	
Methylene chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
MTBE	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
n-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
n-Propylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Naphthalene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
o-Xylene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
sec-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Styrene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
tert-Amyl methyl ether	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
tert-Butanol	ND	84	1	B2C1221	03/17/2022	03/17/22 18:29	
tert-Butylbenzene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Tetrachloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Toluene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Trichloroethene	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Trichlorofluoromethane	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Vinyl acetate	ND	42	1	B2C1221	03/17/2022	03/17/22 18:29	
Vinyl chloride	ND	4.2	1	B2C1221	03/17/2022	03/17/22 18:29	
Surrogate: 1,2-Dichloroethane-d4	159 %	66 - 200		B2C1221	03/17/2022	03/17/22 18:29	
Surrogate: 4-Bromofluorobenzene	94.2 %	50 - 146		B2C1221	03/17/2022	03/17/22 18:29	



### Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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Reported : 04/01/2022

**Client Sample ID: 61W-30-8-5.5**  
**Lab ID: 2200396-15**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	129 %	77 - 159		B2C1221	03/17/2022	03/17/22 18:29	
<i>Surrogate: Toluene-d8</i>	92.3 %	81 - 128		B2C1221	03/17/2022	03/17/22 18:29	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.83	1	B2C1385	03/25/2022	03/25/22 16:13	
<i>Surrogate: 4-Bromofluorobenzene</i>	104 %	47.6 - 121.18		B2C1385	03/25/2022	03/25/22 16:13	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
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Project Number : Ontario Airport / 5925  
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 Reported : 04/01/2022

### QUALITY CONTROL SECTION

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1365 - GCVOA_S</b>										
<b>Blank (B2C1365-BLK1)</b>					Prepared: 3/24/2022 Analyzed: 3/24/2022					
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6890</i>			<i>0.800000</i>		<i>86.1</i>	<i>47.6 - 121.18</i>			
<b>LCS (B2C1365-BS1)</b>					Prepared: 3/24/2022 Analyzed: 3/24/2022					
Gasoline Range Organics	5.08500	1.0	0.13	5.00000		102	58.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7427</i>			<i>0.800000</i>		<i>92.8</i>	<i>47.6 - 121.18</i>			
<b>LCS Dup (B2C1365-BSD1)</b>					Prepared: 3/24/2022 Analyzed: 3/24/2022					
Gasoline Range Organics	4.96100	1.0	0.13	5.00000		99.2	58.69 - 124.04	2.47	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7476</i>			<i>0.800000</i>		<i>93.5</i>	<i>47.6 - 121.18</i>			



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### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1385 - GCVOA_S</b>									
<b>Blank (B2C1385-BLK1)</b>					Prepared: 3/25/2022 Analyzed: 3/25/2022				
C4-C12	ND	1.0	0.13						
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7477</i>			<i>0.800000</i>		<i>93.5</i>	<i>47.6 - 121.18</i>		
<b>LCS (B2C1385-BS1)</b>					Prepared: 3/25/2022 Analyzed: 3/25/2022				
Gasoline Range Organics	3.94900	1.0	0.13	5.00000		79.0	58.69 - 124.04		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7555</i>			<i>0.800000</i>		<i>94.4</i>	<i>47.6 - 121.18</i>		
<b>LCS Dup (B2C1385-BSD1)</b>					Prepared: 3/25/2022 Analyzed: 3/25/2022				
Gasoline Range Organics	4.35900	1.0	0.13	5.00000		87.2	58.69 - 124.04	9.87	20
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7998</i>			<i>0.800000</i>		<i>100</i>	<i>47.6 - 121.18</i>		



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1313 - EPA 3050B\_S**

**Blank (B2C1313-BLK1)**

Prepared: 3/22/2022 Analyzed: 3/23/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

**LCS (B2C1313-BS1)**

Prepared: 3/22/2022 Analyzed: 3/23/2022

Antimony	22.6243	2.0	0.51	25.0000	90.5	80 - 120
Arsenic	23.3030	1.0	0.12	25.0000	93.2	80 - 120
Barium	22.9502	1.0	0.12	25.0000	91.8	80 - 120
Beryllium	23.2615	1.0	0.03	25.0100	93.0	80 - 120
Cadmium	23.8893	1.0	0.14	25.0000	95.6	80 - 120
Chromium	23.4513	1.0	0.26	25.0000	93.8	80 - 120
Cobalt	22.1832	1.0	0.07	25.0000	88.7	80 - 120
Copper	23.2279	2.0	0.19	25.0000	92.9	80 - 120
Lead	25.5348	1.0	0.18	25.0000	102	80 - 120
Molybdenum	23.4399	1.0	0.12	25.0000	93.8	80 - 120
Nickel	23.3296	1.0	0.18	25.0000	93.3	80 - 120
Selenium	24.5437	1.0	0.40	25.0000	98.2	80 - 120
Silver	12.6745	1.0	0.12	12.5000	101	80 - 120
Thallium	23.6975	1.0	0.38	25.0000	94.8	80 - 120
Vanadium	21.9160	1.0	0.06	25.0000	87.7	80 - 120
Zinc	22.9320	1.0	0.15	25.0000	91.7	80 - 120

**Matrix Spike (B2C1313-MS1)**

**Source: 2200396-01**

Prepared: 3/22/2022 Analyzed: 3/23/2022

Antimony	11.3424	2.0	0.51	25.0000	ND	45.4	0 - 102
Arsenic	20.8150	1.0	0.12	25.0000	0.700501	80.5	55 - 117
Barium	106.835	1.0	0.12	25.0000	88.4624	73.5	11 - 177
Beryllium	21.6873	1.0	0.03	25.0100	2.32485	77.4	64 - 115
Cadmium	21.2673	1.0	0.14	25.0000	0.377827	83.6	62 - 116
Chromium	33.0824	1.0	0.26	25.0000	13.8084	77.1	42 - 145
Cobalt	24.6944	1.0	0.07	25.0000	4.58667	80.4	60 - 126
Copper	30.6959	2.0	0.19	25.0000	9.31201	85.5	37 - 163
Lead	25.4439	1.0	0.18	25.0000	3.47563	87.9	26 - 161



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1313 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1313-MS1) - Continued**

**Source: 2200396-01**

Prepared: 3/22/2022 Analyzed: 3/23/2022

Molybdenum	18.9675	1.0	0.12	25.0000	ND	75.9	31 - 122			
Nickel	26.3330	1.0	0.18	25.0000	6.20024	80.5	52 - 130			
Selenium	21.6734	1.0	0.40	25.0000	1.22576	81.8	25 - 129			
Silver	16.0013	1.0	0.12	12.5000	5.00050	88.0	48 - 133			
Thallium	20.1036	1.0	0.38	25.0000	ND	80.4	25 - 119			
Vanadium	48.1547	1.0	0.06	25.0000	28.4219	78.9	51 - 141			
Zinc	50.6533	1.0	0.15	25.0000	37.2793	53.5	8 - 170			

**Matrix Spike Dup (B2C1313-MSD1)**

**Source: 2200396-01**

Prepared: 3/22/2022 Analyzed: 3/23/2022

Antimony	10.7988	2.0	0.51	25.0000	ND	43.2	0 - 102	4.91	20	
Arsenic	19.2490	1.0	0.12	25.0000	0.700501	74.2	55 - 117	7.82	20	
Barium	97.1620	1.0	0.12	25.0000	88.4624	34.8	11 - 177	9.48	20	
Beryllium	19.7394	1.0	0.03	25.0100	2.32485	69.6	64 - 115	9.40	20	
Cadmium	19.8589	1.0	0.14	25.0000	0.377827	77.9	62 - 116	6.85	20	
Chromium	30.0884	1.0	0.26	25.0000	13.8084	65.1	42 - 145	9.48	20	
Cobalt	22.8960	1.0	0.07	25.0000	4.58667	73.2	60 - 126	7.56	20	
Copper	26.2509	2.0	0.19	25.0000	9.31201	67.8	37 - 163	15.6	20	
Lead	23.6177	1.0	0.18	25.0000	3.47563	80.6	26 - 161	7.44	20	
Molybdenum	18.5307	1.0	0.12	25.0000	ND	74.1	31 - 122	2.33	20	
Nickel	24.5419	1.0	0.18	25.0000	6.20024	73.4	52 - 130	7.04	20	
Selenium	20.3281	1.0	0.40	25.0000	1.22576	76.4	25 - 129	6.41	20	
Silver	14.3293	1.0	0.12	12.5000	5.00050	74.6	48 - 133	11.0	20	
Thallium	18.1752	1.0	0.38	25.0000	ND	72.7	25 - 119	10.1	20	
Vanadium	43.7042	1.0	0.06	25.0000	28.4219	61.1	51 - 141	9.69	20	
Zinc	48.8438	1.0	0.15	25.0000	37.2793	46.3	8 - 170	3.64	20	



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### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	Limits Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1308 - EPA 7471_S</b>										
<b>Blank (B2C1308-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 3/22/2022 Analyzed: 3/22/2022
<b>LCS (B2C1308-BS1)</b>										
Mercury	0.356778	0.10	0.01	0.416667		85.6	80 - 120			Prepared: 3/22/2022 Analyzed: 3/22/2022
<b>Matrix Spike (B2C1308-MS1)</b>										
Mercury	0.507923	0.10	0.01	0.416667	0.018496	117	70 - 130			Source: 2200396-01 Prepared: 3/22/2022 Analyzed: 3/22/2022
<b>Matrix Spike Dup (B2C1308-MSD1)</b>										
Mercury	0.489309	0.10	0.01	0.416667	0.018496	113	70 - 130	3.73	20	Prepared: 3/22/2022 Analyzed: 3/22/2022





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## Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C1308 - EPA 7471\_S

Post Spike (B2C1308-PS1)

Source: 2200396-01

Prepared: 3/22/2022 Analyzed: 3/22/2022

Mercury	4.9293E-3		5.00000E-3	0.000222	94.1	85 - 115			
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### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1312 - GCSEMI_DRO_S</b>									
<b>Blank (B2C1312-BLK1)</b>					Prepared: 3/22/2022 Analyzed: 3/23/2022				
C13-C23	ND	10	3.6						
C23-C32	ND	10	3.6						
<hr/>									
<i>Surrogate: p-Terphenyl</i>	80.60			80.0000		101	62 - 141		
<b>LCS (B2C1312-BS1)</b>					Prepared: 3/22/2022 Analyzed: 3/23/2022				
DRO	989.322	10	3.6	1000.00		98.9	56 - 139		
<hr/>									
<i>Surrogate: p-Terphenyl</i>	83.26			80.0000		104	62 - 141		
<b>Matrix Spike (B2C1312-MS1)</b>					<b>Source: 2200405-02</b>		Prepared: 3/22/2022 Analyzed: 3/23/2022		
DRO	971.873	10	3.6	1000.00	10.8310	96.1	38 - 161		
<hr/>									
<i>Surrogate: p-Terphenyl</i>	82.40			80.0000		103	62 - 141		
<b>Matrix Spike Dup (B2C1312-MSD1)</b>					<b>Source: 2200405-02</b>		Prepared: 3/22/2022 Analyzed: 3/23/2022		
DRO	943.757	10	3.6	1000.00	10.8310	93.3	38 - 161	2.94	20
<hr/>									
<i>Surrogate: p-Terphenyl</i>	82.27			80.0000		103	62 - 141		



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1221 - MSVOA\_S**

**Blank (B2C1221-BLK1)**

Prepared: 3/17/2022 Analyzed: 3/17/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1221 - MSVOA\_S (continued)**

**Blank (B2C1221-BLK1) - Continued**

Prepared: 3/17/2022 Analyzed: 3/17/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	65.84		50.0000	132	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	46.58		50.0000	93.2	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	59.65		50.0000	119	77 - 159
<i>Surrogate: Toluene-d8</i>	46.03		50.0000	92.1	81 - 128

**LCS (B2C1221-BS1)**

Prepared: 3/17/2022 Analyzed: 3/17/2022

1,1,1,2-Tetrachloroethane	45.5900	5.0	0.52	50.0000	91.2	84 - 123
1,1,1-Trichloroethane	56.2600	5.0	0.26	50.0000	113	78 - 133
1,1,2,2-Tetrachloroethane	43.0100	5.0	0.21	50.0000	86.0	63 - 127
1,1,2-Trichloroethane	51.3300	5.0	0.40	50.0000	103	80 - 125
1,1-Dichloroethane	52.4400	5.0	1.4	50.0000	105	77 - 128
1,1-Dichloroethene	60.1300	5.0	1.9	50.0000	120	69 - 138
1,1-Dichloropropene	52.8900	5.0	0.54	50.0000	106	80 - 133
1,2,3-Trichloropropane	47.1700	5.0	0.40	50.0000	94.3	74 - 123
1,2,3-Trichlorobenzene	47.6800	5.0	0.83	50.0000	95.4	79 - 133
1,2,4-Trichlorobenzene	43.1200	5.0	0.80	50.0000	86.2	73 - 131
1,2,4-Trimethylbenzene	47.5800	5.0	0.91	50.0000	95.2	86 - 137
1,2-Dibromo-3-chloropropane	47.0200	10	1.1	50.0000	94.0	62 - 127
1,2-Dibromoethane	48.4600	5.0	0.40	50.0000	96.9	83 - 126
1,2-Dichlorobenzene	45.7800	5.0	0.21	50.0000	91.6	83 - 123
1,2-Dichloroethane	57.1100	5.0	0.50	50.0000	114	76 - 128



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1221 - MSVOA_S (continued)</b>									
<b>LCS (B2C1221-BS1) - Continued</b>					Prepared: 3/17/2022 Analyzed: 3/17/2022				
1,2-Dichloropropane	47.8300	5.0	0.46	50.0000		95.7	77 - 121		
1,3,5-Trimethylbenzene	47.1000	5.0	0.70	50.0000		94.2	84 - 135		
1,3-Dichlorobenzene	47.5400	5.0	0.36	50.0000		95.1	81 - 126		
1,3-Dichloropropane	47.9700	5.0	0.49	50.0000		95.9	80 - 118		
1,4-Dichlorobenzene	48.1700	5.0	0.27	50.0000		96.3	80 - 124		
2,2-Dichloropropane	55.4800	5.0	0.28	50.0000		111	72 - 135		
2-Chlorotoluene	48.4600	5.0	0.53	50.0000		96.9	81 - 127		
4-Chlorotoluene	49.7800	5.0	0.40	50.0000		99.6	83 - 127		
4-Isopropyltoluene	45.9900	5.0	0.81	50.0000		92.0	82 - 143		
Benzene	50.7800	5.0	0.36	50.0000		102	84 - 123		
Bromobenzene	47.6600	5.0	0.62	50.0000		95.3	80 - 122		
Bromochloromethane	50.7200	5.0	0.30	50.0000		101	83 - 127		
Bromodichloromethane	56.9500	5.0	0.52	50.0000		114	82 - 123		
Bromoform	44.5600	5.0	1.4	50.0000		89.1	80 - 132		
Bromomethane	83.1300	5.0	2.5	50.0000		166	67 - 176		
Carbon disulfide	58.7300	5.0	0.94	50.0000		117	75 - 138		
Carbon tetrachloride	56.9400	5.0	0.73	50.0000		114	76 - 131		
Chlorobenzene	47.7600	5.0	0.42	50.0000		95.5	84 - 119		
Chloroethane	62.2500	5.0	1.5	50.0000		124	56 - 170		
Chloroform	54.5400	5.0	0.24	50.0000		109	78 - 129		
Chloromethane	45.7000	5.0	1.1	50.0000		91.4	63 - 141		
cis-1,2-Dichloroethene	40.2500	5.0	0.20	50.0000		80.5	83 - 125		L3
cis-1,3-Dichloropropene	43.4900	5.0	0.39	50.0000		87.0	76 - 129		
Di-isopropyl ether	48.0000	5.0	1.9	50.0000		96.0	73 - 132		
Dibromochloromethane	45.9200	5.0	0.81	50.0000		91.8	81 - 120		
Dibromomethane	53.6700	5.0	0.23	50.0000		107	79 - 124		
Dichlorodifluoromethane	45.7100	5.0	0.14	50.0000		91.4	18 - 199		
Ethyl Acetate	21.1300	50	7.0	500.000		4.23	76 - 138		MO
Ethyl Ether	643.810	50	17	500.000		129	74 - 128		L3
Ethyl tert-butyl ether	47.6800	5.0	0.85	50.0000		95.4	50 - 175		
Ethylbenzene	47.6800	5.0	0.43	50.0000		95.4	86 - 130		
Freon-113	67.4300	5.0	1.3	50.0000		135	66 - 132		L4
Hexachlorobutadiene	49.9900	5.0	0.40	50.0000		100	64 - 135		
Isopropylbenzene	48.3000	5.0	0.79	50.0000		96.6	80 - 133		
m,p-Xylene	95.6500	10	0.98	100.000		95.6	89 - 133		
Methylene chloride	52.4300	5.0	2.2	50.0000		105	72 - 143		
MTBE	46.6100	5.0	0.81	50.0000		93.2	73 - 136		
n-Butylbenzene	46.3400	5.0	1.2	50.0000		92.7	76 - 144		
n-Propylbenzene	48.1800	5.0	0.78	50.0000		96.4	81 - 136		
Naphthalene	42.8400	5.0	1.1	50.0000		85.7	64 - 128		
o-Xylene	47.4000	5.0	0.67	50.0000		94.8	82 - 134		
sec-Butylbenzene	46.2800	5.0	0.63	50.0000		92.6	81 - 138		
Styrene	45.7300	5.0	0.45	50.0000		91.5	79 - 152		
tert-Amyl methyl ether	47.0700	5.0	1.1	50.0000		94.1	48 - 166		
tert-Butanol	184.840	100	11	250.000		73.9	48 - 148		



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1221 - MSVOA\_S (continued)**

**LCS (B2C1221-BS1) - Continued**

Prepared: 3/17/2022 Analyzed: 3/17/2022

tert-Butylbenzene	45.1400	5.0	0.80	50.0000		90.3	81 - 135		
Tetrachloroethene	45.5500	5.0	0.31	50.0000		91.1	75 - 127		
Toluene	49.4700	5.0	0.27	50.0000		98.9	88 - 130		
trans-1,2-Dichloroethene	67.5600	5.0	0.56	50.0000		135	79 - 127		L4
trans-1,3-Dichloropropene	51.2400	5.0	0.59	50.0000		102	80 - 130		
Trichloroethene	50.9700	5.0	0.32	50.0000		102	83 - 126		
Trichlorofluoromethane	65.8400	5.0	1.0	50.0000		132	62 - 143		
Vinyl acetate	32.6000	50	6.0	500.000		6.52	69 - 150		MO
Vinyl chloride	61.2900	5.0	0.92	50.0000		123	69 - 140		

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>60.25</i>			<i>50.0000</i>		<i>120</i>	<i>66 - 200</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>49.07</i>			<i>50.0000</i>		<i>98.1</i>	<i>50 - 146</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>58.40</i>			<i>50.0000</i>		<i>117</i>	<i>77 - 159</i>		
<i>Surrogate: Toluene-d8</i>	<i>50.83</i>			<i>50.0000</i>		<i>102</i>	<i>81 - 128</i>		

**LCS Dup (B2C1221-BSD1)**

Prepared: 3/17/2022 Analyzed: 3/17/2022

1,1,1,2-Tetrachloroethane	48.1500	5.0	0.52	50.0000		96.3	84 - 123	5.46	20	
1,1,1-Trichloroethane	53.7500	5.0	0.26	50.0000		108	78 - 133	4.56	20	
1,1,2,2-Tetrachloroethane	44.5200	5.0	0.21	50.0000		89.0	63 - 127	3.45	20	
1,1,2-Trichloroethane	51.7800	5.0	0.40	50.0000		104	80 - 125	0.873	20	
1,1-Dichloroethane	50.0300	5.0	1.4	50.0000		100	77 - 128	4.70	20	
1,1-Dichloroethene	48.9600	5.0	1.9	50.0000		97.9	69 - 138	20.5	20	R
1,1-Dichloropropene	50.8800	5.0	0.54	50.0000		102	80 - 133	3.87	20	
1,2,3-Trichloropropane	48.7000	5.0	0.40	50.0000		97.4	74 - 123	3.19	20	
1,2,3-Trichlorobenzene	48.5800	5.0	0.83	50.0000		97.2	79 - 133	1.87	20	
1,2,4-Trichlorobenzene	45.8700	5.0	0.80	50.0000		91.7	73 - 131	6.18	20	
1,2,4-Trimethylbenzene	47.6100	5.0	0.91	50.0000		95.2	86 - 137	0.0630	20	
1,2-Dibromo-3-chloropropane	46.9800	10	1.1	50.0000		94.0	62 - 127	0.0851	20	
1,2-Dibromoethane	51.7000	5.0	0.40	50.0000		103	83 - 126	6.47	20	
1,2-Dichlorobenzene	47.7700	5.0	0.21	50.0000		95.5	83 - 123	4.25	20	
1,2-Dichloroethane	56.5500	5.0	0.50	50.0000		113	76 - 128	0.985	20	
1,2-Dichloropropane	47.1700	5.0	0.46	50.0000		94.3	77 - 121	1.39	20	
1,3,5-Trimethylbenzene	48.2400	5.0	0.70	50.0000		96.5	84 - 135	2.39	20	
1,3-Dichlorobenzene	48.3400	5.0	0.36	50.0000		96.7	81 - 126	1.67	20	
1,3-Dichloropropane	47.7400	5.0	0.49	50.0000		95.5	80 - 118	0.481	20	
1,4-Dichlorobenzene	47.5000	5.0	0.27	50.0000		95.0	80 - 124	1.40	20	
2,2-Dichloropropane	50.0700	5.0	0.28	50.0000		100	72 - 135	10.3	20	
2-Chlorotoluene	47.2300	5.0	0.53	50.0000		94.5	81 - 127	2.57	20	
4-Chlorotoluene	49.2900	5.0	0.40	50.0000		98.6	83 - 127	0.989	20	
4-Isopropyltoluene	45.4500	5.0	0.81	50.0000		90.9	82 - 143	1.18	20	
Benzene	50.1800	5.0	0.36	50.0000		100	84 - 123	1.19	20	
Bromobenzene	46.6900	5.0	0.62	50.0000		93.4	80 - 122	2.06	20	
Bromochloromethane	50.0300	5.0	0.30	50.0000		100	83 - 127	1.37	20	
Bromodichloromethane	55.7800	5.0	0.52	50.0000		112	82 - 123	2.08	20	
Bromoform	47.8500	5.0	1.4	50.0000		95.7	80 - 132	7.12	20	
Bromomethane	69.1500	5.0	2.5	50.0000		138	67 - 176	18.4	20	



## Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1221 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C1221-BSD1) - Continued</b>					Prepared: 3/17/2022 Analyzed: 3/17/2022					
Carbon disulfide	51.4900	5.0	0.94	50.0000		103	75 - 138	13.1	20	
Carbon tetrachloride	50.5700	5.0	0.73	50.0000		101	76 - 131	11.9	20	
Chlorobenzene	47.2600	5.0	0.42	50.0000		94.5	84 - 119	1.05	20	
Chloroethane	58.9400	5.0	1.5	50.0000		118	56 - 170	5.46	20	
Chloroform	55.1800	5.0	0.24	50.0000		110	78 - 129	1.17	20	
Chloromethane	46.8600	5.0	1.1	50.0000		93.7	63 - 141	2.51	20	
cis-1,2-Dichloroethene	38.5500	5.0	0.20	50.0000		77.1	83 - 125	4.31	20	L3
cis-1,3-Dichloropropene	41.2500	5.0	0.39	50.0000		82.5	76 - 129	5.29	20	
Di-isopropyl ether	45.7100	5.0	1.9	50.0000		91.4	73 - 132	4.89	20	
Dibromochloromethane	47.1000	5.0	0.81	50.0000		94.2	81 - 120	2.54	20	
Dibromomethane	51.0800	5.0	0.23	50.0000		102	79 - 124	4.95	20	
Dichlorodifluoromethane	43.3800	5.0	0.14	50.0000		86.8	18 - 199	5.23	20	
Ethyl Acetate	20.1400	50	7.0	500.000		4.03	76 - 138	4.80	20	MO
Ethyl Ether	601.460	50	17	500.000		120	74 - 128	6.80	20	
Ethyl tert-butyl ether	45.6900	5.0	0.85	50.0000		91.4	50 - 175	4.26	20	
Ethylbenzene	49.4200	5.0	0.43	50.0000		98.8	86 - 130	3.58	20	
Freon-113	58.2100	5.0	1.3	50.0000		116	66 - 132	14.7	20	
Hexachlorobutadiene	47.8900	5.0	0.40	50.0000		95.8	64 - 135	4.29	20	
Isopropylbenzene	48.5500	5.0	0.79	50.0000		97.1	80 - 133	0.516	20	
m,p-Xylene	96.3600	10	0.98	100.000		96.4	89 - 133	0.740	20	
Methylene chloride	51.3700	5.0	2.2	50.0000		103	72 - 143	2.04	20	
MTBE	46.3100	5.0	0.81	50.0000		92.6	73 - 136	0.646	20	
n-Butylbenzene	46.8500	5.0	1.2	50.0000		93.7	76 - 144	1.09	20	
n-Propylbenzene	46.9800	5.0	0.78	50.0000		94.0	81 - 136	2.52	20	
Naphthalene	41.4800	5.0	1.1	50.0000		83.0	64 - 128	3.23	20	
o-Xylene	47.6600	5.0	0.67	50.0000		95.3	82 - 134	0.547	20	
sec-Butylbenzene	46.1400	5.0	0.63	50.0000		92.3	81 - 138	0.303	20	
Styrene	48.1800	5.0	0.45	50.0000		96.4	79 - 152	5.22	20	
tert-Amyl methyl ether	46.2000	5.0	1.1	50.0000		92.4	48 - 166	1.87	20	
tert-Butanol	179.690	100	11	250.000		71.9	48 - 148	2.83	20	
tert-Butylbenzene	45.1400	5.0	0.80	50.0000		90.3	81 - 135	0.00	20	
Tetrachloroethene	49.4300	5.0	0.31	50.0000		98.9	75 - 127	8.17	20	
Toluene	49.7800	5.0	0.27	50.0000		99.6	88 - 130	0.625	20	
trans-1,2-Dichloroethene	67.6800	5.0	0.56	50.0000		135	79 - 127	0.177	20	L4
trans-1,3-Dichloropropene	51.1300	5.0	0.59	50.0000		102	80 - 130	0.215	20	
Trichloroethene	51.0200	5.0	0.32	50.0000		102	83 - 126	0.0980	20	
Trichlorofluoromethane	59.2800	5.0	1.0	50.0000		119	62 - 143	10.5	20	
Vinyl acetate	27.4300	50	6.0	500.000		5.49	69 - 150	17.2	20	MO
Vinyl chloride	59.1300	5.0	0.92	50.0000		118	69 - 140	3.59	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>56.71</i>			<i>50.0000</i>		<i>113</i>	<i>66 - 200</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>50.84</i>			<i>50.0000</i>		<i>102</i>	<i>50 - 146</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>57.14</i>			<i>50.0000</i>		<i>114</i>	<i>77 - 159</i>			
<i>Surrogate: Toluene-d8</i>	<i>50.03</i>			<i>50.0000</i>		<i>100</i>	<i>81 - 128</i>			



2200396

3.4°C

**FROM:** GSI Environmental Inc.  
19200 Von Karman Ave, Suite 800  
Irvine, CA 92612  
(949) 679-1070

**PROJECT NAME:** Ontario Airport

**PROJECT CONTACT:** Vinnie Robino / Josh Voss

**GLOBAL ID:**

**TEL:** (949) 679-1070 **E-MAIL:** vprobino@gsi-net.com / jcvoss@gsi-net.com

**LABORATORY:** Advanced Technology Laboratories

**PROJECT NO.:** 5925

**LAB CONTACT:** Victoria Michel

**SAMPLER(S): (PRINT)** Tiam Novin / Josh Voss

**REQUESTED ANALYSES**  
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Field Filtered		T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCFs 8081A	Herbicides 8051	
		DATE	TIME			Unpreserved	Preserved										
1	61W-30-4-1	3/16/22	0832	Soil	1	1		X									
2	61W-30-4-5.5		0851		5	4		X	X	X							
3	61W-30-5-1		0912		1	1		X									
4	61W-30-5-5.5		0926		5	4		X	X	X							
5	61W-30-2-1		0959		1	1		X									
6	61W-30-2-5.5		1011		5	4		X	X	X							
7	61W-30-3-1		1054		1	1		X									
8	61W-30-3-5.5		1101		5	4		X	X	X							
9	61W-30-1-1		1134		1	1		X									
10	61W-30-1-5.5		1144		5	4		X	X	X							
11	61W-30-7-1		1208		1	1		X									
12	61W-30-7-5.5		1223		5	4		X	X	X							
13	TB-20220316		1328	water	4	4											X
14	61W-30-8-1		1335	soil	1	1		X									
15	61W-30-8-5.5		1432	Soil	5	4		X	X	X							

**Relinquished by: (Signature)** *[Signature]* **Date:** 3/16/22 **Time:** 1630

**Relinquished by: (Signature)** *[Signature]* **Date:** 3/16/22 **Time:** 18:27

**Relinquished by: (Signature)** *[Signature]* **Date:** 3/16/22 **Time:** 18:27



May 12, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

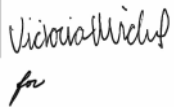
Re: ATL Work Order Number : 2200407

Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 17, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 05/12/22 15:33 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-32-10-1	2200407-01	Soil	3/17/22 7:44	3/17/22 18:12
61W-32-10-5.5	2200407-02	Soil	3/17/22 7:54	3/17/22 18:12
61W-32-9-1	2200407-03	Soil	3/17/22 8:12	3/17/22 18:12
61W-32-9-5.5	2200407-04	Soil	3/17/22 8:20	3/17/22 18:12
61W-32-8-1	2200407-05	Soil	3/17/22 8:41	3/17/22 18:12
61W-32-8-5.5	2200407-06	Soil	3/17/22 8:48	3/17/22 18:12
SV-8-1	2200407-07	Soil	3/17/22 9:53	3/17/22 18:12
SV-8-5.5	2200407-08	Soil	3/17/22 10:15	3/17/22 18:12
SV-8-14	2200407-09	Soil	3/17/22 10:20	3/17/22 18:12
SV-5-1	2200407-10	Soil	3/17/22 11:20	3/17/22 18:12
SV-5-5.5	2200407-11	Soil	3/17/22 11:31	3/17/22 18:12
SV-5-14	2200407-12	Soil	3/17/22 11:37	3/17/22 18:12
TB_20220317	2200407-13	Water	3/17/22 11:48	3/17/22 18:12
SV-2-1	2200407-14	Soil	3/17/22 13:19	3/17/22 18:12
SV-2-5.5	2200407-15	Soil	3/17/22 13:28	3/17/22 18:12
SV-2-14	2200407-16	Soil	3/17/22 13:33	3/17/22 18:12
61W-44-1	2200407-17	Soil	3/17/22 14:30	3/17/22 18:12
61W-44-5.5	2200407-18	Soil	3/17/22 14:44	3/17/22 18:12



## Certificate of Analysis

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19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analyzed		
2200407-01	61W-32-10-1	ND	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22	15:34	
2200407-03	61W-32-9-1	ND	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22	15:37	
2200407-05	61W-32-8-1	ND	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22	15:47	
2200407-07	SV-8-1	ND	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22	15:50	
2200407-10	SV-5-1	ND	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22	15:53	
2200407-14	SV-2-1	ND	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22	15:55	
2200407-17	61W-44-1	ND	mg/kg	0.10	1	B2C1317	03/22/2022	03/23/22	15:58	

Client Sample ID: 61W-32-10-1

Lab ID: 2200407-01

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
<b>Barium</b>	<b>100</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
<b>Beryllium</b>	<b>2.6</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
<b>Cobalt</b>	<b>5.4</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
<b>Copper</b>	<b>10</b>	2.0	1	B2C1321	03/22/2022	03/23/22 18:07	
<b>Lead</b>	<b>2.8</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
<b>Nickel</b>	<b>6.7</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
<b>Selenium</b>	<b>1.0</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
<b>Silver</b>	<b>5.9</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
<b>Vanadium</b>	<b>29</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	
<b>Zinc</b>	<b>37</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:07	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-32-10-5.5**

**Lab ID: 2200407-02**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 12:43	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 12:43	
<i>Surrogate: p-Terphenyl</i>	<i>92.1 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 12:43</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1,1-Trichloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1,2-Trichloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1-Dichloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1-Dichloroethene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,1-Dichloropropene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2,3-Trichloropropane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2-Dibromoethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2-Dichlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2-Dichloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,2-Dichloropropane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,3-Dichlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,3-Dichloropropane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
1,4-Dichlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
2,2-Dichloropropane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
2-Chlorotoluene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
4-Chlorotoluene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
4-Isopropyltoluene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Benzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Bromobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Bromochloromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Bromodichloromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Bromoform	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Bromomethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Carbon disulfide	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-32-10-5.5**  
**Lab ID: 2200407-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Chlorobenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Chloroethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Chloroform	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Chloromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Di-isopropyl ether	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Dibromochloromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Dibromomethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Dichlorodifluoromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Ethyl Acetate	ND	39	1	B2C1278	03/21/2022	03/21/22 15:40	
Ethyl Ether	ND	39	1	B2C1278	03/21/2022	03/21/22 15:40	
Ethyl tert-butyl ether	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Ethylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Freon-113	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Hexachlorobutadiene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Isopropylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
m,p-Xylene	ND	7.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Methylene chloride	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
MTBE	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
n-Butylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
n-Propylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Naphthalene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
o-Xylene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
sec-Butylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Styrene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
tert-Amyl methyl ether	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
tert-Butanol	ND	79	1	B2C1278	03/21/2022	03/21/22 15:40	
tert-Butylbenzene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Tetrachloroethene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Toluene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Trichloroethene	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Trichlorofluoromethane	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	
Vinyl acetate	ND	39	1	B2C1278	03/21/2022	03/21/22 15:40	
Vinyl chloride	ND	3.9	1	B2C1278	03/21/2022	03/21/22 15:40	

Surrogate: 1,2-Dichloroethane-d4      126 %      66 - 200      B2C1278      03/21/2022      03/21/22 15:40  
 Surrogate: 4-Bromofluorobenzene      89.2 %      50 - 146      B2C1278      03/21/2022      03/21/22 15:40



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-32-10-5.5**  
**Lab ID: 2200407-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	112 %	77 - 159		B2C1278	03/21/2022	03/21/22 15:40	
Surrogate: Toluene-d8	93.4 %	81 - 128		B2C1278	03/21/2022	03/21/22 15:40	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.82	1	B2C1398	03/27/2022	03/27/22 20:50	
Surrogate: 4-Bromofluorobenzene	103 %	47.6 - 121.18		B2C1398	03/27/2022	03/27/22 20:50	

**Client Sample ID: 61W-32-9-1**  
**Lab ID: 2200407-03**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
<b>Barium</b>	<b>91</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
<b>Beryllium</b>	<b>2.3</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
<b>Cobalt</b>	<b>4.8</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
<b>Copper</b>	<b>10</b>	2.0	1	B2C1321	03/22/2022	03/23/22 18:08	
<b>Lead</b>	<b>2.4</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
<b>Nickel</b>	<b>6.0</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Selenium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
<b>Silver</b>	<b>5.1</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
<b>Vanadium</b>	<b>26</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	
<b>Zinc</b>	<b>34</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:08	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: 61W-32-9-5.5**

**Lab ID: 2200407-04**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 14:07	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 14:07	
<i>Surrogate: p-Terphenyl</i>	<i>96.3 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 14:07</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1,1-Trichloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1,2,2-Tetrachloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1,2-Trichloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1-Dichloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1-Dichloroethene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,1-Dichloropropene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2,3-Trichloropropane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2,3-Trichlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2,4-Trichlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2,4-Trimethylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2-Dibromo-3-chloropropane	ND	6.9	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2-Dibromoethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2-Dichlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2-Dichloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,2-Dichloropropane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,3,5-Trimethylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,3-Dichlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,3-Dichloropropane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
1,4-Dichlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
2,2-Dichloropropane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
2-Chlorotoluene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
4-Chlorotoluene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
4-Isopropyltoluene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Benzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Bromobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Bromochloromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Bromodichloromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Bromoform	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Bromomethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Carbon disulfide	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-32-9-5.5**  
**Lab ID: 2200407-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Chlorobenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Chloroethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Chloroform	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Chloromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
cis-1,2-Dichloroethene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
cis-1,3-Dichloropropene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Di-isopropyl ether	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Dibromochloromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Dibromomethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Dichlorodifluoromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Ethyl Acetate	ND	35	1	B2C1278	03/21/2022	03/21/22 16:06	
Ethyl Ether	ND	35	1	B2C1278	03/21/2022	03/21/22 16:06	
Ethyl tert-butyl ether	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Ethylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Freon-113	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Hexachlorobutadiene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Isopropylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
m,p-Xylene	ND	6.9	1	B2C1278	03/21/2022	03/21/22 16:06	
Methylene chloride	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
MTBE	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
n-Butylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
n-Propylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Naphthalene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
o-Xylene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
sec-Butylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Styrene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
tert-Amyl methyl ether	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
tert-Butanol	ND	69	1	B2C1278	03/21/2022	03/21/22 16:06	
tert-Butylbenzene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Tetrachloroethene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Toluene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
trans-1,2-Dichloroethene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
trans-1,3-Dichloropropene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Trichloroethene	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Trichlorofluoromethane	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Vinyl acetate	ND	35	1	B2C1278	03/21/2022	03/21/22 16:06	
Vinyl chloride	ND	3.5	1	B2C1278	03/21/2022	03/21/22 16:06	
Surrogate: 1,2-Dichloroethane-d4	139 %	66 - 200		B2C1278	03/21/2022	03/21/22 16:06	
Surrogate: 4-Bromofluorobenzene	99.4 %	50 - 146		B2C1278	03/21/2022	03/21/22 16:06	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-32-9-5.5**

**Lab ID: 2200407-04**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	122 %	77 - 159		B2C1278	03/21/2022	03/21/22 16:06	
<i>Surrogate: Toluene-d8</i>	98.2 %	81 - 128		B2C1278	03/21/2022	03/21/22 16:06	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.72	1	B2C1398	03/27/2022	03/27/22 21:15	
<i>Surrogate: 4-Bromofluorobenzene</i>	110 %	47.6 - 121.18		B2C1398	03/27/2022	03/27/22 21:15	

**Client Sample ID: 61W-32-8-1**

**Lab ID: 2200407-05**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
<b>Barium</b>	<b>97</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
<b>Cobalt</b>	<b>4.9</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
<b>Copper</b>	<b>9.9</b>	2.0	1	B2C1321	03/22/2022	03/23/22 18:10	
<b>Lead</b>	<b>2.4</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
<b>Nickel</b>	<b>6.0</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
<b>Selenium</b>	<b>1.0</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
<b>Silver</b>	<b>5.3</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
<b>Vanadium</b>	<b>27</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	
<b>Zinc</b>	<b>34</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:10	



# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-32-8-5.5**

**Lab ID: 2200407-06**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 14:32	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 14:32	
<i>Surrogate: p-Terphenyl</i>	<i>109 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 14:32</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1,1-Trichloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1,2,2-Tetrachloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1,2-Trichloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1-Dichloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1-Dichloroethene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,1-Dichloropropene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2,3-Trichloropropane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2,3-Trichlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2,4-Trichlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2,4-Trimethylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2-Dibromoethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2-Dichlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2-Dichloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,2-Dichloropropane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,3,5-Trimethylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,3-Dichlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,3-Dichloropropane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
1,4-Dichlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
2,2-Dichloropropane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
2-Chlorotoluene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
4-Chlorotoluene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
4-Isopropyltoluene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Benzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Bromobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Bromochloromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Bromodichloromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Bromoform	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Bromomethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Carbon disulfide	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-32-8-5.5**  
**Lab ID: 2200407-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Chlorobenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Chloroethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Chloroform	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Chloromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
cis-1,2-Dichloroethene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
cis-1,3-Dichloropropene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Di-isopropyl ether	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Dibromochloromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Dibromomethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Dichlorodifluoromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Ethyl Acetate	ND	36	1	B2C1278	03/21/2022	03/21/22 16:32	
Ethyl Ether	ND	36	1	B2C1278	03/21/2022	03/21/22 16:32	
Ethyl tert-butyl ether	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Ethylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Freon-113	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Hexachlorobutadiene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Isopropylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
m,p-Xylene	ND	7.3	1	B2C1278	03/21/2022	03/21/22 16:32	
Methylene chloride	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
MTBE	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
n-Butylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
n-Propylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Naphthalene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
o-Xylene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
sec-Butylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Styrene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
tert-Amyl methyl ether	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
tert-Butanol	ND	73	1	B2C1278	03/21/2022	03/21/22 16:32	
tert-Butylbenzene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Tetrachloroethene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Toluene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
trans-1,2-Dichloroethene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
trans-1,3-Dichloropropene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Trichloroethene	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Trichlorofluoromethane	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	
Vinyl acetate	ND	36	1	B2C1278	03/21/2022	03/21/22 16:32	
Vinyl chloride	ND	3.6	1	B2C1278	03/21/2022	03/21/22 16:32	

Surrogate: 1,2-Dichloroethane-d4	137 %	66 - 200	B2C1278	03/21/2022	03/21/22 16:32
Surrogate: 4-Bromofluorobenzene	94.9 %	50 - 146	B2C1278	03/21/2022	03/21/22 16:32



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-32-8-5.5**

**Lab ID: 2200407-06**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	121 %	77 - 159		B2C1278	03/21/2022	03/21/22 16:32	
<i>Surrogate: Toluene-d8</i>	93.9 %	81 - 128		B2C1278	03/21/2022	03/21/22 16:32	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.72	1	B2C1398	03/27/2022	03/27/22 21:39	
<i>Surrogate: 4-Bromofluorobenzene</i>	107 %	47.6 - 121.18		B2C1398	03/27/2022	03/27/22 21:39	

**Client Sample ID: SV-8-1**

**Lab ID: 2200407-07**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
<b>Barium</b>	<b>86</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
<b>Beryllium</b>	<b>2.2</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
<b>Cobalt</b>	<b>4.3</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
<b>Copper</b>	<b>8.7</b>	2.0	1	B2C1321	03/22/2022	03/23/22 18:11	
<b>Lead</b>	<b>2.4</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
<b>Nickel</b>	<b>5.4</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Selenium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
<b>Silver</b>	<b>4.7</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
<b>Vanadium</b>	<b>26</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:11	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: SV-8-5.5**

**Lab ID: 2200407-08**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 14:50	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 14:50	
<i>Surrogate: p-Terphenyl</i>	<i>105 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 14:50</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1,1-Trichloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1,2-Trichloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1-Dichloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1-Dichloroethene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,1-Dichloropropene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2,3-Trichloropropane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2-Dibromoethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2-Dichlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2-Dichloroethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,2-Dichloropropane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,3-Dichlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,3-Dichloropropane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
1,4-Dichlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
2,2-Dichloropropane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
2-Chlorotoluene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
4-Chlorotoluene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
4-Isopropyltoluene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Benzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Bromobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Bromochloromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Bromodichloromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Bromoform	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Bromomethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Carbon disulfide	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-8-5.5**

**Lab ID: 2200407-08**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Chlorobenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
<b>Chloroethane</b>	<b>6.2</b>	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Chloroform	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Chloromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Di-isopropyl ether	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Dibromochloromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Dibromomethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Dichlorodifluoromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Ethyl Acetate	ND	45	1	B2C1278	03/21/2022	03/21/22 16:58	
Ethyl Ether	ND	45	1	B2C1278	03/21/2022	03/21/22 16:58	
Ethyl tert-butyl ether	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Ethylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Freon-113	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Hexachlorobutadiene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Isopropylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
m,p-Xylene	ND	9.1	1	B2C1278	03/21/2022	03/21/22 16:58	
Methylene chloride	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
MTBE	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
n-Butylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
n-Propylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Naphthalene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
o-Xylene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
sec-Butylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Styrene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
tert-Amyl methyl ether	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
tert-Butanol	ND	91	1	B2C1278	03/21/2022	03/21/22 16:58	
tert-Butylbenzene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Tetrachloroethene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Toluene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Trichloroethene	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Trichlorofluoromethane	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	
Vinyl acetate	ND	45	1	B2C1278	03/21/2022	03/21/22 16:58	
Vinyl chloride	ND	4.5	1	B2C1278	03/21/2022	03/21/22 16:58	

Surrogate: 1,2-Dichloroethane-d4      123 %      66 - 200      B2C1278      03/21/2022      03/21/22 16:58  
 Surrogate: 4-Bromofluorobenzene      87.9 %      50 - 146      B2C1278      03/21/2022      03/21/22 16:58



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-8-5.5**  
**Lab ID: 2200407-08**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	113 %	77 - 159		B2C1278	03/21/2022	03/21/22 16:58	
<i>Surrogate: Toluene-d8</i>	91.9 %	81 - 128		B2C1278	03/21/2022	03/21/22 16:58	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.88	1	B2C1398	03/27/2022	03/27/22 22:04	
<i>Surrogate: 4-Bromofluorobenzene</i>	107 %	47.6 - 121.18		B2C1398	03/27/2022	03/27/22 22:04	





# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-8-14**

**Lab ID: 2200407-09**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 15:12	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 15:12	
<i>Surrogate: p-Terphenyl</i>	<i>101 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 15:12</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1,1-Trichloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1,2-Trichloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1-Dichloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1-Dichloroethene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,1-Dichloropropene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2,3-Trichloropropane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2-Dibromo-3-chloropropane	ND	9.0	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2-Dibromoethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2-Dichlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2-Dichloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,2-Dichloropropane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,3-Dichlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,3-Dichloropropane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
1,4-Dichlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
2,2-Dichloropropane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
2-Chlorotoluene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
4-Chlorotoluene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
4-Isopropyltoluene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Benzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Bromobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Bromochloromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Bromodichloromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Bromoform	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Bromomethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Carbon disulfide	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-8-14**  
**Lab ID: 2200407-09**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Chlorobenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Chloroethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Chloroform	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Chloromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Di-isopropyl ether	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Dibromochloromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Dibromomethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Dichlorodifluoromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Ethyl Acetate	ND	45	1	B2C1304	03/22/2022	03/22/22 14:51	
Ethyl Ether	ND	45	1	B2C1304	03/22/2022	03/22/22 14:51	
Ethyl tert-butyl ether	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Ethylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Freon-113	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Hexachlorobutadiene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Isopropylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
m,p-Xylene	ND	9.0	1	B2C1304	03/22/2022	03/22/22 14:51	
Methylene chloride	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
MTBE	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
n-Butylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
n-Propylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Naphthalene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
o-Xylene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
sec-Butylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Styrene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
tert-Amyl methyl ether	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
tert-Butanol	ND	90	1	B2C1304	03/22/2022	03/22/22 14:51	
tert-Butylbenzene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Tetrachloroethene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Toluene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Trichloroethene	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Trichlorofluoromethane	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Vinyl acetate	ND	45	1	B2C1304	03/22/2022	03/22/22 14:51	
Vinyl chloride	ND	4.5	1	B2C1304	03/22/2022	03/22/22 14:51	
Surrogate: 1,2-Dichloroethane-d4	144 %	66 - 200		B2C1304	03/22/2022	03/22/22 14:51	
Surrogate: 4-Bromofluorobenzene	98.8 %	50 - 146		B2C1304	03/22/2022	03/22/22 14:51	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-8-14**

**Lab ID: 2200407-09**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	108 %	77 - 159		B2C1304	03/22/2022	03/22/22 14:51	
<i>Surrogate: Toluene-d8</i>	105 %	81 - 128		B2C1304	03/22/2022	03/22/22 14:51	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.93	1	B2C1398	03/27/2022	03/27/22 22:29	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	47.6 - 121.18		B2C1398	03/27/2022	03/27/22 22:29	

**Client Sample ID: SV-5-1**

**Lab ID: 2200407-10**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
<b>Barium</b>	<b>95</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
<b>Cobalt</b>	<b>4.6</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
<b>Copper</b>	<b>10</b>	2.0	1	B2C1321	03/22/2022	03/23/22 18:22	
<b>Lead</b>	<b>2.8</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
<b>Nickel</b>	<b>6.1</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Selenium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
<b>Silver</b>	<b>5.3</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
<b>Vanadium</b>	<b>28</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	
<b>Zinc</b>	<b>37</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:22	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-5-5.5**

**Lab ID: 2200407-11**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 15:33	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 15:33	
<i>Surrogate: p-Terphenyl</i>	<i>102 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 15:33</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1,1-Trichloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1,2-Trichloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1-Dichloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1-Dichloroethene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,1-Dichloropropene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2,3-Trichloropropane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2-Dibromoethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2-Dichlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2-Dichloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,2-Dichloropropane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,3-Dichlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,3-Dichloropropane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
1,4-Dichlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
2,2-Dichloropropane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
2-Chlorotoluene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
4-Chlorotoluene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
4-Isopropyltoluene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Benzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Bromobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Bromochloromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Bromodichloromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Bromoform	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Bromomethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Carbon disulfide	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-5-5.5**

**Lab ID: 2200407-11**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Chlorobenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Chloroethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Chloroform	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Chloromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Di-isopropyl ether	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Dibromochloromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Dibromomethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Dichlorodifluoromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Ethyl Acetate	ND	43	1	B2C1304	03/22/2022	03/22/22 15:16	
Ethyl Ether	ND	43	1	B2C1304	03/22/2022	03/22/22 15:16	
Ethyl tert-butyl ether	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Ethylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Freon-113	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Hexachlorobutadiene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Isopropylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
m,p-Xylene	ND	8.6	1	B2C1304	03/22/2022	03/22/22 15:16	
Methylene chloride	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
MTBE	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
n-Butylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
n-Propylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Naphthalene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
o-Xylene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
sec-Butylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Styrene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
tert-Amyl methyl ether	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
tert-Butanol	ND	86	1	B2C1304	03/22/2022	03/22/22 15:16	
tert-Butylbenzene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Tetrachloroethene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Toluene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Trichloroethene	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Trichlorofluoromethane	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	
Vinyl acetate	ND	43	1	B2C1304	03/22/2022	03/22/22 15:16	
Vinyl chloride	ND	4.3	1	B2C1304	03/22/2022	03/22/22 15:16	

Surrogate: 1,2-Dichloroethane-d4      151 %      66 - 200      B2C1304      03/22/2022      03/22/22 15:16  
 Surrogate: 4-Bromofluorobenzene      101 %      50 - 146      B2C1304      03/22/2022      03/22/22 15:16



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-5-5.5**

**Lab ID: 2200407-11**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	101 %	77 - 159		B2C1304	03/22/2022	03/22/22 15:16	
<i>Surrogate: Toluene-d8</i>	111 %	81 - 128		B2C1304	03/22/2022	03/22/22 15:16	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1398	03/27/2022	03/27/22 22:53	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	47.6 - 121.18		B2C1398	03/27/2022	03/27/22 22:53	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-5-14**

**Lab ID: 2200407-12**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 15:54	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 15:54	
<i>Surrogate: p-Terphenyl</i>	<i>94.7 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 15:54</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1,1-Trichloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1,2,2-Tetrachloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1,2-Trichloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1-Dichloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1-Dichloroethene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,1-Dichloropropene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2,3-Trichloropropane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2,3-Trichlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2,4-Trichlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2,4-Trimethylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2-Dibromo-3-chloropropane	ND	9.4	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2-Dibromoethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2-Dichlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2-Dichloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,2-Dichloropropane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,3,5-Trimethylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,3-Dichlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,3-Dichloropropane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
1,4-Dichlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
2,2-Dichloropropane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
2-Chlorotoluene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
4-Chlorotoluene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
4-Isopropyltoluene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Benzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Bromobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Bromochloromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Bromodichloromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Bromoform	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Bromomethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Carbon disulfide	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-5-14**  
**Lab ID: 2200407-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Chlorobenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Chloroethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Chloroform	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Chloromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
cis-1,2-Dichloroethene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
cis-1,3-Dichloropropene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Di-isopropyl ether	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Dibromochloromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Dibromomethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Dichlorodifluoromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Ethyl Acetate	ND	47	1	B2C1304	03/22/2022	03/22/22 15:42	
Ethyl Ether	ND	47	1	B2C1304	03/22/2022	03/22/22 15:42	
Ethyl tert-butyl ether	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Ethylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Freon-113	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Hexachlorobutadiene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Isopropylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
m,p-Xylene	ND	9.4	1	B2C1304	03/22/2022	03/22/22 15:42	
Methylene chloride	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
MTBE	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
n-Butylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
n-Propylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Naphthalene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
o-Xylene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
sec-Butylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Styrene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
tert-Amyl methyl ether	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
tert-Butanol	ND	94	1	B2C1304	03/22/2022	03/22/22 15:42	
tert-Butylbenzene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Tetrachloroethene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Toluene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
trans-1,2-Dichloroethene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
trans-1,3-Dichloropropene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Trichloroethene	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Trichlorofluoromethane	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Vinyl acetate	ND	47	1	B2C1304	03/22/2022	03/22/22 15:42	
Vinyl chloride	ND	4.7	1	B2C1304	03/22/2022	03/22/22 15:42	
Surrogate: 1,2-Dichloroethane-d4	167 %	66 - 200		B2C1304	03/22/2022	03/22/22 15:42	
Surrogate: 4-Bromofluorobenzene	103 %	50 - 146		B2C1304	03/22/2022	03/22/22 15:42	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-5-14**  
**Lab ID: 2200407-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	112 %	77 - 159		B2C1304	03/22/2022	03/22/22 15:42	
Surrogate: Toluene-d8	112 %	81 - 128		B2C1304	03/22/2022	03/22/22 15:42	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.97	1	B2C1398	03/27/2022	03/27/22 23:18	
Surrogate: 4-Bromofluorobenzene	103 %	47.6 - 121.18		B2C1398	03/27/2022	03/27/22 23:18	

**Client Sample ID: SV-2-1**  
**Lab ID: 2200407-14**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
<b>Barium</b>	<b>120</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
<b>Beryllium</b>	<b>3.2</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
<b>Chromium</b>	<b>18</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
<b>Cobalt</b>	<b>6.3</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
<b>Copper</b>	<b>13</b>	2.0	1	B2C1321	03/22/2022	03/23/22 18:24	
<b>Lead</b>	<b>2.9</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
<b>Nickel</b>	<b>7.9</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
<b>Selenium</b>	<b>1.1</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
<b>Silver</b>	<b>7.0</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
<b>Vanadium</b>	<b>34</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	
<b>Zinc</b>	<b>43</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:24	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: SV-2-5.5**

**Lab ID: 2200407-15**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 16:15	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 16:15	
<i>Surrogate: p-Terphenyl</i>	<i>108 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 16:15</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1,1-Trichloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1,2-Trichloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1-Dichloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1-Dichloroethene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,1-Dichloropropene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2,3-Trichloropropane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2,3-Trichlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2,4-Trichlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2,4-Trimethylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2-Dibromo-3-chloropropane	ND	9.8	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2-Dibromoethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2-Dichlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2-Dichloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,2-Dichloropropane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,3,5-Trimethylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,3-Dichlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,3-Dichloropropane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
1,4-Dichlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
2,2-Dichloropropane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
2-Chlorotoluene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
4-Chlorotoluene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
4-Isopropyltoluene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Benzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Bromobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Bromochloromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Bromodichloromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Bromoform	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Bromomethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Carbon disulfide	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-2-5.5**

**Lab ID: 2200407-15**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Chlorobenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Chloroethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Chloroform	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Chloromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
cis-1,2-Dichloroethene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
cis-1,3-Dichloropropene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Di-isopropyl ether	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Dibromochloromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Dibromomethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Dichlorodifluoromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Ethyl Acetate	ND	49	1	B2C1304	03/22/2022	03/22/22 16:08	
Ethyl Ether	ND	49	1	B2C1304	03/22/2022	03/22/22 16:08	
Ethyl tert-butyl ether	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Ethylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Freon-113	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Hexachlorobutadiene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Isopropylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
m,p-Xylene	ND	9.8	1	B2C1304	03/22/2022	03/22/22 16:08	
Methylene chloride	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
MTBE	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
n-Butylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
n-Propylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Naphthalene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
o-Xylene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
sec-Butylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Styrene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
tert-Amyl methyl ether	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
tert-Butanol	ND	98	1	B2C1304	03/22/2022	03/22/22 16:08	
tert-Butylbenzene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Tetrachloroethene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Toluene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
trans-1,2-Dichloroethene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
trans-1,3-Dichloropropene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Trichloroethene	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Trichlorofluoromethane	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	
Vinyl acetate	ND	49	1	B2C1304	03/22/2022	03/22/22 16:08	
Vinyl chloride	ND	4.9	1	B2C1304	03/22/2022	03/22/22 16:08	

Surrogate: 1,2-Dichloroethane-d4      173 %      66 - 200      B2C1304      03/22/2022      03/22/22 16:08  
 Surrogate: 4-Bromofluorobenzene      101 %      50 - 146      B2C1304      03/22/2022      03/22/22 16:08



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-2-5.5**  
**Lab ID: 2200407-15**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	112 %	77 - 159		B2C1304	03/22/2022	03/22/22 16:08	
<i>Surrogate: Toluene-d8</i>	112 %	81 - 128		B2C1304	03/22/2022	03/22/22 16:08	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.86	1	B2C1385	03/25/2022	03/25/22 23:19	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	47.6 - 121.18		B2C1385	03/25/2022	03/25/22 23:19	



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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-2-14**  
**Lab ID: 2200407-16**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 16:37	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 16:37	
<i>Surrogate: p-Terphenyl</i>	<i>102 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 16:37</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1,1-Trichloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1,2-Trichloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1-Dichloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1-Dichloroethene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,1-Dichloropropene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2,3-Trichloropropane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2-Dibromoethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2-Dichlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2-Dichloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,2-Dichloropropane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,3-Dichlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,3-Dichloropropane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
1,4-Dichlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
2,2-Dichloropropane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
2-Chlorotoluene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
4-Chlorotoluene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
4-Isopropyltoluene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Benzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Bromobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Bromochloromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Bromodichloromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Bromoform	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Bromomethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Carbon disulfide	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-2-14**

**Lab ID: 2200407-16**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Chlorobenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Chloroethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Chloroform	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Chloromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Di-isopropyl ether	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Dibromochloromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Dibromomethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Dichlorodifluoromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Ethyl Acetate	ND	46	1	B2C1304	03/22/2022	03/22/22 16:33	
Ethyl Ether	ND	46	1	B2C1304	03/22/2022	03/22/22 16:33	
Ethyl tert-butyl ether	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Ethylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Freon-113	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Hexachlorobutadiene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Isopropylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
m,p-Xylene	ND	9.1	1	B2C1304	03/22/2022	03/22/22 16:33	
Methylene chloride	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
MTBE	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
n-Butylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
n-Propylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Naphthalene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
o-Xylene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
sec-Butylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Styrene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
tert-Amyl methyl ether	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
tert-Butanol	ND	91	1	B2C1304	03/22/2022	03/22/22 16:33	
tert-Butylbenzene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Tetrachloroethene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Toluene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Trichloroethene	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Trichlorofluoromethane	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	
Vinyl acetate	ND	46	1	B2C1304	03/22/2022	03/22/22 16:33	
Vinyl chloride	ND	4.6	1	B2C1304	03/22/2022	03/22/22 16:33	

Surrogate: 1,2-Dichloroethane-d4	142 %	66 - 200	B2C1304	03/22/2022	03/22/22 16:33
Surrogate: 4-Bromofluorobenzene	97.5 %	50 - 146	B2C1304	03/22/2022	03/22/22 16:33



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-2-14**  
**Lab ID: 2200407-16**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	96.8 %	77 - 159		B2C1304	03/22/2022	03/22/22 16:33	
Surrogate: Toluene-d8	109 %	81 - 128		B2C1304	03/22/2022	03/22/22 16:33	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	1.1	1	B2C1385	03/25/2022	03/25/22 23:44	
Surrogate: 4-Bromofluorobenzene	99.5 %	47.6 - 121.18		B2C1385	03/25/2022	03/25/22 23:44	

**Client Sample ID: 61W-44-1**  
**Lab ID: 2200407-17**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Arsenic	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
<b>Barium</b>	<b>93</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
<b>Beryllium</b>	<b>2.4</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Cadmium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
<b>Cobalt</b>	<b>4.8</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
<b>Copper</b>	<b>10</b>	2.0	1	B2C1321	03/22/2022	03/23/22 18:25	
<b>Lead</b>	<b>3.3</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Molybdenum	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
<b>Nickel</b>	<b>6.1</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Selenium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
<b>Silver</b>	<b>5.2</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
Thallium	ND	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
<b>Vanadium</b>	<b>27</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	
<b>Zinc</b>	<b>36</b>	1.0	1	B2C1321	03/22/2022	03/23/22 18:25	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-44-5.5**  
**Lab ID: 2200407-18**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Acenaphthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Acenaphthylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Benzo(a)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Benzo(a)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Benzo(b)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Benzo(k)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Chrysene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Fluorene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Naphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Phenanthrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 01:14	
Surrogate: 1,2-Dichlorobenzene-d4	74.8 %	12 - 125		B2C1309	03/22/2022	03/23/22 01:14	
Surrogate: 2-Fluorobiphenyl	88.9 %	14 - 139		B2C1309	03/22/2022	03/23/22 01:14	
Surrogate: Nitrobenzene-d5	67.3 %	8 - 155		B2C1309	03/22/2022	03/23/22 01:14	
Surrogate: 4-Terphenyl-d14	104 %	16 - 152		B2C1309	03/22/2022	03/23/22 01:14	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 16:58	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 16:58	
Surrogate: p-Terphenyl	114 %	62 - 141		B2C1311	03/22/2022	03/24/22 16:58	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,1,1-Trichloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,1,2-Trichloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-44-5.5**  
**Lab ID: 2200407-18**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,1-Dichloroethene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,1-Dichloropropene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2,3-Trichloropropane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2-Dibromoethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2-Dichlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2-Dichloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,2-Dichloropropane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,3-Dichlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,3-Dichloropropane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
1,4-Dichlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
2,2-Dichloropropane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
2-Chlorotoluene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
4-Chlorotoluene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
4-Isopropyltoluene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Benzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Bromobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Bromochloromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Bromodichloromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Bromoform	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Bromomethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Carbon disulfide	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Carbon tetrachloride	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Chlorobenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Chloroethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Chloroform	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Chloromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Di-isopropyl ether	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Dibromochloromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Dibromomethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Dichlorodifluoromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Ethyl Acetate	ND	41	1	B2C1304	03/22/2022	03/22/22 16:59	
Ethyl Ether	ND	41	1	B2C1304	03/22/2022	03/22/22 16:59	



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 Reported : 05/12/2022

**Client Sample ID: 61W-44-5.5**  
**Lab ID: 2200407-18**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Ethylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Freon-113	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Hexachlorobutadiene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Isopropylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
m,p-Xylene	ND	8.2	1	B2C1304	03/22/2022	03/22/22 16:59	
Methylene chloride	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
MTBE	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
n-Butylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
n-Propylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Naphthalene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
o-Xylene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
sec-Butylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Styrene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
tert-Amyl methyl ether	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
tert-Butanol	ND	82	1	B2C1304	03/22/2022	03/22/22 16:59	
tert-Butylbenzene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Tetrachloroethene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Toluene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
<b>Trichloroethene</b>	<b>4.3</b>	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Trichlorofluoromethane	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
Vinyl acetate	ND	41	1	B2C1304	03/22/2022	03/22/22 16:59	
Vinyl chloride	ND	4.1	1	B2C1304	03/22/2022	03/22/22 16:59	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>177 %</i>	<i>66 - 200</i>		B2C1304	03/22/2022	03/22/22 16:59	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>103 %</i>	<i>50 - 146</i>		B2C1304	03/22/2022	03/22/22 16:59	
<i>Surrogate: Dibromofluoromethane</i>	<i>112 %</i>	<i>77 - 159</i>		B2C1304	03/22/2022	03/22/22 16:59	
<i>Surrogate: Toluene-d8</i>	<i>110 %</i>	<i>81 - 128</i>		B2C1304	03/22/2022	03/22/22 16:59	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.79	1	B2C1385	03/25/2022	03/26/22 00:08	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>108 %</i>	<i>47.6 - 121.18</i>		B2C1385	03/25/2022	03/26/22 00:08	



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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### QUALITY CONTROL SECTION

#### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1309 - MSSEMI\_S**

**Blank (B2C1309-BLK1)**

Prepared: 3/22/2022 Analyzed: 3/22/2022

2-Methylnaphthalene	ND	5.0	0.60
Acenaphthene	ND	5.0	0.41
Acenaphthylene	ND	5.0	0.41
Anthracene	ND	5.0	0.56
Benzo(a)anthracene	ND	5.0	0.56
Benzo(a)pyrene	ND	5.0	0.69
Benzo(b)fluoranthene	ND	5.0	2.2
Benzo(g,h,i)perylene	ND	5.0	0.80
Benzo(k)fluoranthene	ND	5.0	0.70
Chrysene	ND	5.0	0.61
Dibenz(a,h)anthracene	ND	5.0	0.88
Fluoranthene	ND	5.0	0.45
Fluorene	ND	5.0	0.35
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82
Naphthalene	ND	5.0	0.56
Phenanthrene	ND	5.0	0.34
Pyrene	ND	5.0	0.51

Surrogate: 1,2-Dichlorobenzene-d4	23.02		66.6667	34.5	12 - 125
Surrogate: 2-Fluorobiphenyl	41.13		66.6667	61.7	14 - 139
Surrogate: Nitrobenzene-d5	23.97		66.6667	36.0	8 - 155
Surrogate: 4-Terphenyl-d14	62.16		66.6667	93.2	16 - 152

**LCS (B2C1309-BS1)**

Prepared: 3/22/2022 Analyzed: 3/22/2022

2-Methylnaphthalene	34.6400	5.0	0.60	66.6667	52.0	39 - 92	
Acenaphthene	39.2980	5.0	0.41	66.6667	58.9	35 - 94	
Acenaphthylene	41.2333	5.0	0.41	66.6667	61.8	31 - 101	
Anthracene	42.0100	5.0	0.56	66.6667	63.0	37 - 95	
Benzo(a)anthracene	65.4147	5.0	0.56	66.6667	98.1	43 - 102	
Benzo(a)pyrene	65.4880	5.0	0.69	66.6667	98.2	38 - 95	L3
Benzo(b)fluoranthene	72.7647	5.0	2.2	66.6667	109	44 - 102	L3
Benzo(g,h,i)perylene	40.3527	5.0	0.80	66.6667	60.5	34 - 114	
Benzo(k)fluoranthene	73.8320	5.0	0.70	66.6667	111	34 - 110	L3
Chrysene	65.5840	5.0	0.61	66.6667	98.4	46 - 101	
Dibenz(a,h)anthracene	47.2953	5.0	0.88	66.6667	70.9	35 - 117	
Fluoranthene	51.2020	5.0	0.45	66.6667	76.8	46 - 107	
Fluorene	39.6313	5.0	0.35	66.6667	59.4	35 - 98	
Indeno(1,2,3-cd)pyrene	45.1853	5.0	0.82	66.6667	67.8	35 - 114	
Naphthalene	35.2627	5.0	0.56	66.6667	52.9	39 - 86	
Phenanthrene	42.7253	5.0	0.34	66.6667	64.1	43 - 98	
Pyrene	52.8307	5.0	0.51	66.6667	79.2	44 - 108	

Surrogate: 1,2-Dichlorobenzene-d4	38.25		66.6667	57.4	12 - 125
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Reported : 05/12/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1309 - MSSEMI\_S (continued)**

**LCS (B2C1309-BS1) - Continued**

Prepared: 3/22/2022 Analyzed: 3/22/2022

Surrogate: 2-Fluorobiphenyl	47.56		66.6667	71.3	14 - 139
Surrogate: Nitrobenzene-d5	35.80		66.6667	53.7	8 - 155
Surrogate: 4-Terphenyl-d14	66.23		66.6667	99.3	16 - 152

**Matrix Spike (B2C1309-MS1)**

**Source: 2200407-18**

Prepared: 3/22/2022 Analyzed: 3/23/2022

2-Methylnaphthalene	37.3033	5.0	0.60	66.6667	1.56000	53.6	43 - 120
Acenaphthene	43.0480	5.0	0.41	66.6667	1.95733	61.6	52 - 113
Acenaphthylene	44.7847	5.0	0.41	66.6667	1.46333	65.0	44 - 126
Anthracene	48.9847	5.0	0.56	66.6667	ND	73.5	49 - 128
Benzo(a)anthracene	68.3047	5.0	0.56	66.6667	ND	102	32 - 158
Benzo(a)pyrene	68.4733	5.0	0.69	66.6667	ND	103	39 - 137
Benzo(b)fluoranthene	75.2367	5.0	2.2	66.6667	ND	113	52 - 132
Benzo(g,h,i)perylene	40.4507	5.0	0.80	66.6667	ND	60.7	35 - 162
Benzo(k)fluoranthene	73.8920	5.0	0.70	66.6667	ND	111	18 - 153
Chrysene	67.5893	5.0	0.61	66.6667	ND	101	25 - 160
Dibenz(a,h)anthracene	47.5293	5.0	0.88	66.6667	ND	71.3	41 - 155
Fluoranthene	60.3413	5.0	0.45	66.6667	0.693333	89.5	5 - 185
Fluorene	44.2053	5.0	0.35	66.6667	1.19733	64.5	28 - 135
Indeno(1,2,3-cd)pyrene	45.4100	5.0	0.82	66.6667	ND	68.1	36 - 162
Naphthalene	37.4000	5.0	0.56	66.6667	1.51467	53.8	41 - 113
Phenanthrene	49.7253	5.0	0.34	66.6667	1.27933	72.7	35 - 143
Pyrene	60.1367	5.0	0.51	66.6667	ND	90.2	10 - 184

Surrogate: 1,2-Dichlorobenzene-d4	39.29		66.6667	58.9	12 - 125
Surrogate: 2-Fluorobiphenyl	49.03		66.6667	73.5	14 - 139
Surrogate: Nitrobenzene-d5	37.54		66.6667	56.3	8 - 155
Surrogate: 4-Terphenyl-d14	69.18		66.6667	104	16 - 152

**Matrix Spike Dup (B2C1309-MSD1)**

**Source: 2200407-18**

Prepared: 3/22/2022 Analyzed: 3/23/2022

2-Methylnaphthalene	37.9460	5.0	0.60	66.6667	1.56000	54.6	43 - 120	1.71	20
Acenaphthene	43.2967	5.0	0.41	66.6667	1.95733	62.0	52 - 113	0.576	20
Acenaphthylene	44.9573	5.0	0.41	66.6667	1.46333	65.2	44 - 126	0.385	20
Anthracene	49.4680	5.0	0.56	66.6667	ND	74.2	49 - 128	0.982	20
Benzo(a)anthracene	66.4787	5.0	0.56	66.6667	ND	99.7	32 - 158	2.71	20
Benzo(a)pyrene	66.9093	5.0	0.69	66.6667	ND	100	39 - 137	2.31	20
Benzo(b)fluoranthene	73.4760	5.0	2.2	66.6667	ND	110	52 - 132	2.37	20
Benzo(g,h,i)perylene	39.6160	5.0	0.80	66.6667	ND	59.4	35 - 162	2.08	20
Benzo(k)fluoranthene	74.1287	5.0	0.70	66.6667	ND	111	18 - 153	0.320	20
Chrysene	66.4760	5.0	0.61	66.6667	ND	99.7	25 - 160	1.66	20
Dibenz(a,h)anthracene	46.6153	5.0	0.88	66.6667	ND	69.9	41 - 155	1.94	20
Fluoranthene	59.7280	5.0	0.45	66.6667	0.693333	88.6	5 - 185	1.02	20
Fluorene	44.8820	5.0	0.35	66.6667	1.19733	65.5	28 - 135	1.52	20
Indeno(1,2,3-cd)pyrene	44.5407	5.0	0.82	66.6667	ND	66.8	36 - 162	1.93	20
Naphthalene	38.0700	5.0	0.56	66.6667	1.51467	54.8	41 - 113	1.78	20
Phenanthrene	50.3793	5.0	0.34	66.6667	1.27933	73.6	35 - 143	1.31	20
Pyrene	60.0547	5.0	0.51	66.6667	ND	90.1	10 - 184	0.136	20



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 Reported : 05/12/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1309 - MSSEMI\_S (continued)**

**Matrix Spike Dup (B2C1309-MSD1) - Continued**

**Source: 2200407-18**

Prepared: 3/22/2022 Analyzed: 3/23/2022

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	39.32		66.6667		59.0	12 - 125
<i>Surrogate: 2-Fluorobiphenyl</i>	48.81		66.6667		73.2	14 - 139
<i>Surrogate: Nitrobenzene-d5</i>	37.53		66.6667		56.3	8 - 155
<i>Surrogate: 4-Terphenyl-d14</i>	66.83		66.6667		100	16 - 152



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	Limit	Notes
<b>Batch B2C1385 - GCVOA_S</b>									
<b>Blank (B2C1385-BLK1)</b>					Prepared: 3/25/2022 Analyzed: 3/25/2022				
C4-C12	ND	1.0	0.13						
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7477</i>			<i>0.800000</i>		<i>93.5</i>		<i>47.6 - 121.18</i>	
<b>LCS (B2C1385-BS1)</b>					Prepared: 3/25/2022 Analyzed: 3/25/2022				
Gasoline Range Organics	3.94900	1.0	0.13	5.00000		79.0		68.69 - 124.04	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7555</i>			<i>0.800000</i>		<i>94.4</i>		<i>47.6 - 121.18</i>	
<b>LCS Dup (B2C1385-BSD1)</b>					Prepared: 3/25/2022 Analyzed: 3/25/2022				
Gasoline Range Organics	4.35900	1.0	0.13	5.00000		87.2	9.87	68.69 - 124.04	20
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7998</i>			<i>0.800000</i>		<i>100</i>		<i>47.6 - 121.18</i>	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1398 - GCVOA_S</b>										
<b>Blank (B2C1398-BLK1)</b>					Prepared: 3/27/2022 Analyzed: 3/27/2022					
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7726			0.800000		96.6	47.6 - 121.18			
<b>LCS (B2C1398-BS1)</b>					Prepared: 3/27/2022 Analyzed: 3/27/2022					
Gasoline Range Organics	5.27400	1.0	0.13	5.00000		105	68.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.8263			0.800000		103	47.6 - 121.18			
<b>LCS Dup (B2C1398-BSD1)</b>					Prepared: 3/27/2022 Analyzed: 3/27/2022					
Gasoline Range Organics	5.25800	1.0	0.13	5.00000		105	68.69 - 124.04	0.304	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.8168			0.800000		102	47.6 - 121.18			
<b>Matrix Spike (B2C1398-MS1)</b>					Prepared: 3/27/2022 Analyzed: 3/27/2022					
					<b>Source: 2200416-01</b>					
Gasoline Range Organics	5.28200	1.0	0.13	5.00000	ND	106	37.92 - 128.32			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.8644			0.800000		108	47.6 - 121.18			
<b>Matrix Spike Dup (B2C1398-MSD1)</b>					Prepared: 3/27/2022 Analyzed: 3/27/2022					
					<b>Source: 2200416-01</b>					
Gasoline Range Organics	5.81000	1.0	0.13	5.00000	ND	116	37.92 - 128.32	9.52	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.8326			0.800000		104	47.6 - 121.18			



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1321 - EPA 3050B\_S**

**Blank (B2C1321-BLK1)**

Prepared: 3/22/2022 Analyzed: 3/23/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

**LCS (B2C1321-BS1)**

Prepared: 3/22/2022 Analyzed: 3/24/2022

Antimony	23.7259	2.0	0.51	25.0000	94.9	80 - 120
Arsenic	24.2580	1.0	0.12	25.0000	97.0	80 - 120
Barium	24.6779	1.0	0.12	25.0000	98.7	80 - 120
Beryllium	25.1717	1.0	0.03	25.0100	101	80 - 120
Cadmium	25.3888	1.0	0.14	25.0000	102	80 - 120
Chromium	25.2131	1.0	0.26	25.0000	101	80 - 120
Cobalt	24.1056	1.0	0.07	25.0000	96.4	80 - 120
Copper	24.7074	2.0	0.19	25.0000	98.8	80 - 120
Lead	26.7073	1.0	0.18	25.0000	107	80 - 120
Molybdenum	24.6384	1.0	0.12	25.0000	98.6	80 - 120
Nickel	24.9117	1.0	0.18	25.0000	99.6	80 - 120
Selenium	25.2872	1.0	0.40	25.0000	101	80 - 120
Silver	12.6216	1.0	0.12	12.5000	101	80 - 120
Thallium	24.6714	1.0	0.38	25.0000	98.7	80 - 120
Vanadium	23.7863	1.0	0.06	25.0000	95.1	80 - 120
Zinc	27.9268	1.0	0.15	25.0000	112	80 - 120

**Matrix Spike (B2C1321-MS1)**

**Source: 2200405-01**

Prepared: 3/22/2022 Analyzed: 3/24/2022

Antimony	33.1850	2.0	0.51	25.0000	7.01081	105	0 - 102	M2
Arsenic	34.0674	1.0	0.12	25.0000	8.49898	102	55 - 117	
Barium	591.892	1.0	0.12	25.0000	427.900	656	11 - 177	M2
Beryllium	21.8795	1.0	0.03	25.0100	0.577295	85.2	64 - 115	
Cadmium	30.1610	1.0	0.14	25.0000	6.15506	96.0	62 - 116	
Chromium	140.877	1.0	0.26	25.0000	98.1146	171	42 - 145	M2
Cobalt	32.1165	1.0	0.07	25.0000	6.48442	103	60 - 126	
Copper	740.202	2.0	0.19	25.0000	594.522	583	37 - 163	M2
Lead	693.024	1.0	0.18	25.0000	619.534	294	26 - 161	M2





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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1321 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1321-MS1) - Continued**

**Source: 2200405-01**

Prepared: 3/22/2022 Analyzed: 3/24/2022

Molybdenum	26.9933	1.0	0.12	25.0000	4.03200	91.8	31 - 122			
Nickel	71.1685	1.0	0.18	25.0000	45.4048	103	52 - 130			
Selenium	29.3959	1.0	0.40	25.0000	2.25083	109	25 - 129			
Silver	16.0727	1.0	0.12	12.5000	2.69031	107	48 - 133			
Thallium	21.1543	1.0	0.38	25.0000	ND	84.6	25 - 119			
Vanadium	38.6476	1.0	0.06	25.0000	11.9796	107	51 - 141			
Zinc	1352.49	1.0	0.15	25.0000	1112.56	960	8 - 170			M2

**Matrix Spike Dup (B2C1321-MSD1)**

**Source: 2200405-01**

Prepared: 3/22/2022 Analyzed: 3/24/2022

Antimony	32.5606	2.0	0.51	25.0000	7.01081	102	0 - 102	1.90	20	
Arsenic	33.4609	1.0	0.12	25.0000	8.49898	99.8	55 - 117	1.80	20	
Barium	561.978	1.0	0.12	25.0000	427.900	536	11 - 177	5.18	20	M2
Beryllium	22.2229	1.0	0.03	25.0100	0.577295	86.5	64 - 115	1.56	20	
Cadmium	30.5505	1.0	0.14	25.0000	6.15506	97.6	62 - 116	1.28	20	
Chromium	140.818	1.0	0.26	25.0000	98.1146	171	42 - 145	0.0417	20	M2
Cobalt	31.7504	1.0	0.07	25.0000	6.48442	101	60 - 126	1.15	20	
Copper	712.028	2.0	0.19	25.0000	594.522	470	37 - 163	3.88	20	M2
Lead	687.432	1.0	0.18	25.0000	619.534	272	26 - 161	0.810	20	M2
Molybdenum	27.0750	1.0	0.12	25.0000	4.03200	92.2	31 - 122	0.302	20	
Nickel	73.7160	1.0	0.18	25.0000	45.4048	113	52 - 130	3.52	20	
Selenium	29.0494	1.0	0.40	25.0000	2.25083	107	25 - 129	1.19	20	
Silver	15.7537	1.0	0.12	12.5000	2.69031	105	48 - 133	2.00	20	
Thallium	20.9941	1.0	0.38	25.0000	ND	84.0	25 - 119	0.760	20	
Vanadium	38.9398	1.0	0.06	25.0000	11.9796	108	51 - 141	0.753	20	
Zinc	1340.01	1.0	0.15	25.0000	1112.56	910	8 - 170	0.927	20	M2



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### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1317 - EPA 7471_S</b>										
<b>Blank (B2C1317-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 3/22/2022 Analyzed: 3/23/2022
<b>LCS (B2C1317-BS1)</b>										
Mercury	0.419701	0.10	0.01	0.416667		101	80 - 120			Prepared: 3/22/2022 Analyzed: 3/23/2022
<b>Matrix Spike (B2C1317-MS1)</b>										
										<b>Source: 2200400-03</b> Prepared: 3/22/2022 Analyzed: 3/23/2022
Mercury	0.462872	0.10	0.01	0.416667	0.054795	97.9	70 - 130			
<b>Matrix Spike Dup (B2C1317-MSD1)</b>										
										<b>Source: 2200400-03</b> Prepared: 3/22/2022 Analyzed: 3/23/2022
Mercury	0.462408	0.10	0.01	0.416667	0.054795	97.8	70 - 130	0.100	20	



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Reported : 05/12/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C1317 - EPA 7471\_S

Post Spike (B2C1317-PS1)

Source: 2200400-03

Prepared: 3/22/2022 Analyzed: 3/23/2022

Mercury	0.005420		5.00000E-3	0.000658	95.2	85 - 115			
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### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1311 - GCSEMI_DRO_S</b>										
<b>Blank (B2C1311-BLK1)</b>					Prepared: 3/22/2022 Analyzed: 3/24/2022					
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<hr/>										
<i>Surrogate: p-Terphenyl</i>	80.58			80.0000		101	62 - 141			
<b>Blank (B2C1311-BLK2)</b>					Prepared: 3/22/2022 Analyzed: 3/28/2022					
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<hr/>										
<i>Surrogate: p-Terphenyl</i>	81.20			80.0000		101	62 - 141			
<b>LCS (B2C1311-BS1)</b>					Prepared: 3/22/2022 Analyzed: 3/24/2022					
DRO	973.371	10	3.6	1000.00		97.3	56 - 139			
<hr/>										
<i>Surrogate: p-Terphenyl</i>	82.26			80.0000		103	62 - 141			
<b>LCS (B2C1311-BS2)</b>					Prepared: 3/22/2022 Analyzed: 3/28/2022					
DRO	991.910	10	3.6	1000.00		99.2	56 - 139			
<hr/>										
<i>Surrogate: p-Terphenyl</i>	82.60			80.0000		103	62 - 141			
<b>Matrix Spike (B2C1311-MS1)</b>					Source: 2200407-02 Prepared: 3/22/2022 Analyzed: 3/24/2022					
DRO	949.550	10	3.6	1000.00	15.2290	93.4	38 - 161			
<hr/>										
<i>Surrogate: p-Terphenyl</i>	80.40			80.0000		100	62 - 141			
<b>Matrix Spike Dup (B2C1311-MSD1)</b>					Source: 2200407-02 Prepared: 3/22/2022 Analyzed: 3/24/2022					
DRO	950.311	10	3.6	1000.00	15.2290	93.5	38 - 161	0.0801	20	
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<i>Surrogate: p-Terphenyl</i>	80.53			80.0000		101	62 - 141			



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## Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2C1278 - MSVOA\_S

#### Blank (B2C1278-BLK1)

Prepared: 3/21/2022 Analyzed: 3/21/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Di-isopropyl ether	ND	5.0	1.9							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethyl tert-butyl ether	ND	5.0	0.85							



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1278 - MSVOA\_S (continued)**

**Blank (B2C1278-BLK1) - Continued**

Prepared: 3/21/2022 Analyzed: 3/21/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	60.20		50.0000		120	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	43.97		50.0000		87.9	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	59.01		50.0000		118	77 - 159
<i>Surrogate: Toluene-d8</i>	48.35		50.0000		96.7	81 - 128

**LCS (B2C1278-BS1)**

Prepared: 3/21/2022 Analyzed: 3/21/2022

1,1,1,2-Tetrachloroethane	49.0500	5.0	0.52	50.0000	98.1	84 - 123
1,1,1-Trichloroethane	55.7000	5.0	0.26	50.0000	111	78 - 133
1,1,2,2-Tetrachloroethane	44.0800	5.0	0.21	50.0000	88.2	63 - 127
1,1,2-Trichloroethane	50.8300	5.0	0.40	50.0000	102	80 - 125
1,1-Dichloroethane	54.1900	5.0	1.4	50.0000	108	77 - 128
1,1-Dichloroethene	56.4900	5.0	1.9	50.0000	113	69 - 138
1,1-Dichloropropene	50.2300	5.0	0.54	50.0000	100	80 - 133
1,2,3-Trichloropropane	47.6000	5.0	0.40	50.0000	95.2	74 - 123
1,2,3-Trichlorobenzene	47.3600	5.0	0.83	50.0000	94.7	79 - 133
1,2,4-Trichlorobenzene	46.4900	5.0	0.80	50.0000	93.0	73 - 131
1,2,4-Trimethylbenzene	47.6300	5.0	0.91	50.0000	95.3	86 - 137
1,2-Dibromo-3-chloropropane	50.4500	10	1.1	50.0000	101	62 - 127
1,2-Dibromoethane	47.9900	5.0	0.40	50.0000	96.0	83 - 126
1,2-Dichlorobenzene	46.9000	5.0	0.21	50.0000	93.8	83 - 123
1,2-Dichloroethane	56.3200	5.0	0.50	50.0000	113	76 - 128



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1278 - MSVOA_S (continued)</b>									
<b>LCS (B2C1278-BS1) - Continued</b>					Prepared: 3/21/2022 Analyzed: 3/21/2022				
1,2-Dichloropropane	49.5900	5.0	0.46	50.0000		99.2	77 - 121		
1,3,5-Trimethylbenzene	46.3300	5.0	0.70	50.0000		92.7	84 - 135		
1,3-Dichlorobenzene	46.1600	5.0	0.36	50.0000		92.3	81 - 126		
1,3-Dichloropropane	48.1300	5.0	0.49	50.0000		96.3	80 - 118		
1,4-Dichlorobenzene	48.5000	5.0	0.27	50.0000		97.0	80 - 124		
2,2-Dichloropropane	54.8400	5.0	0.28	50.0000		110	72 - 135		
2-Chlorotoluene	48.9700	5.0	0.53	50.0000		97.9	81 - 127		
4-Chlorotoluene	47.9100	5.0	0.40	50.0000		95.8	83 - 127		
4-Isopropyltoluene	46.5000	5.0	0.81	50.0000		93.0	82 - 143		
Benzene	51.9700	5.0	0.36	50.0000		104	84 - 123		
Bromobenzene	48.7400	5.0	0.62	50.0000		97.5	80 - 122		
Bromochloromethane	53.2800	5.0	0.30	50.0000		107	83 - 127		
Bromodichloromethane	54.7200	5.0	0.52	50.0000		109	82 - 123		
Bromoform	47.1200	5.0	1.4	50.0000		94.2	80 - 132		
Bromomethane	94.9500	5.0	2.5	50.0000		190	67 - 176		L4
Carbon disulfide	57.1800	5.0	0.94	50.0000		114	75 - 138		
Carbon tetrachloride	53.2700	5.0	0.73	50.0000		107	76 - 131		
Chlorobenzene	46.4600	5.0	0.42	50.0000		92.9	84 - 119		
Chloroethane	58.9600	5.0	1.5	50.0000		118	56 - 170		
Chloroform	55.1200	5.0	0.24	50.0000		110	78 - 129		
Chloromethane	50.5300	5.0	1.1	50.0000		101	63 - 141		
cis-1,2-Dichloroethene	40.5700	5.0	0.20	50.0000		81.1	83 - 125		L3
cis-1,3-Dichloropropene	45.7000	5.0	0.39	50.0000		91.4	76 - 129		
Di-isopropyl ether	49.4900	5.0	1.9	50.0000		99.0	73 - 132		
Dibromochloromethane	44.5000	5.0	0.81	50.0000		89.0	81 - 120		
Dibromomethane	49.7600	5.0	0.23	50.0000		99.5	79 - 124		
Dichlorodifluoromethane	44.9700	5.0	0.14	50.0000		89.9	18 - 199		
Ethyl Acetate	25.6600	50	7.0	500.000		5.13	76 - 138		MO
Ethyl Ether	640.560	50	17	500.000		128	74 - 128		L3
Ethyl tert-butyl ether	48.7600	5.0	0.85	50.0000		97.5	50 - 175		
Ethylbenzene	46.4200	5.0	0.43	50.0000		92.8	86 - 130		
Freon-113	60.9300	5.0	1.3	50.0000		122	66 - 132		
Hexachlorobutadiene	49.3800	5.0	0.40	50.0000		98.8	64 - 135		
Isopropylbenzene	47.9900	5.0	0.79	50.0000		96.0	80 - 133		
m,p-Xylene	94.8700	10	0.98	100.000		94.9	89 - 133		
Methylene chloride	54.5300	5.0	2.2	50.0000		109	72 - 143		
MTBE	46.7600	5.0	0.81	50.0000		93.5	73 - 136		
n-Butylbenzene	48.3900	5.0	1.2	50.0000		96.8	76 - 144		
n-Propylbenzene	47.1500	5.0	0.78	50.0000		94.3	81 - 136		
Naphthalene	42.3000	5.0	1.1	50.0000		84.6	64 - 128		
o-Xylene	46.3300	5.0	0.67	50.0000		92.7	82 - 134		
sec-Butylbenzene	47.5400	5.0	0.63	50.0000		95.1	81 - 138		
Styrene	46.5600	5.0	0.45	50.0000		93.1	79 - 152		
tert-Amyl methyl ether	48.9700	5.0	1.1	50.0000		97.9	48 - 166		
tert-Butanol	181.980	100	11	250.000		72.8	48 - 148		



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
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Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1278 - MSVOA\_S (continued)**

**LCS (B2C1278-BS1) - Continued**

Prepared: 3/21/2022 Analyzed: 3/21/2022

tert-Butylbenzene	46.6900	5.0	0.80	50.0000		93.4	81 - 135			
Tetrachloroethene	47.0700	5.0	0.31	50.0000		94.1	75 - 127			
Toluene	50.7800	5.0	0.27	50.0000		102	88 - 130			
trans-1,2-Dichloroethene	70.9600	5.0	0.56	50.0000		142	79 - 127			L5
trans-1,3-Dichloropropene	48.8800	5.0	0.59	50.0000		97.8	80 - 130			
Trichloroethene	51.4600	5.0	0.32	50.0000		103	83 - 126			
Trichlorofluoromethane	63.9700	5.0	1.0	50.0000		128	62 - 143			
Vinyl acetate	33.6000	50	6.0	500.000		6.72	69 - 150			MO
Vinyl chloride	61.0100	5.0	0.92	50.0000		122	69 - 140			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>55.43</i>			<i>50.0000</i>		<i>111</i>	<i>66 - 200</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.57</i>			<i>50.0000</i>		<i>93.1</i>	<i>50 - 146</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>55.29</i>			<i>50.0000</i>		<i>111</i>	<i>77 - 159</i>			
<i>Surrogate: Toluene-d8</i>	<i>49.40</i>			<i>50.0000</i>		<i>98.8</i>	<i>81 - 128</i>			

**LCS Dup (B2C1278-BSD1)**

Prepared: 3/21/2022 Analyzed: 3/21/2022

1,1,1,2-Tetrachloroethane	44.3100	5.0	0.52	50.0000		88.6	84 - 123	10.2	20	
1,1,1-Trichloroethane	52.0700	5.0	0.26	50.0000		104	78 - 133	6.74	20	
1,1,2,2-Tetrachloroethane	43.0200	5.0	0.21	50.0000		86.0	63 - 127	2.43	20	
1,1,2-Trichloroethane	50.5300	5.0	0.40	50.0000		101	80 - 125	0.592	20	
1,1-Dichloroethane	49.8100	5.0	1.4	50.0000		99.6	77 - 128	8.42	20	
1,1-Dichloroethene	50.5900	5.0	1.9	50.0000		101	69 - 138	11.0	20	
1,1-Dichloropropene	49.6900	5.0	0.54	50.0000		99.4	80 - 133	1.08	20	
1,2,3-Trichloropropane	47.7200	5.0	0.40	50.0000		95.4	74 - 123	0.252	20	
1,2,3-Trichlorobenzene	45.2900	5.0	0.83	50.0000		90.6	79 - 133	4.47	20	
1,2,4-Trichlorobenzene	43.6100	5.0	0.80	50.0000		87.2	73 - 131	6.39	20	
1,2,4-Trimethylbenzene	45.6700	5.0	0.91	50.0000		91.3	86 - 137	4.20	20	
1,2-Dibromo-3-chloropropane	47.0600	10	1.1	50.0000		94.1	62 - 127	6.95	20	
1,2-Dibromoethane	50.8900	5.0	0.40	50.0000		102	83 - 126	5.87	20	
1,2-Dichlorobenzene	44.6700	5.0	0.21	50.0000		89.3	83 - 123	4.87	20	
1,2-Dichloroethane	52.8600	5.0	0.50	50.0000		106	76 - 128	6.34	20	
1,2-Dichloropropane	48.1400	5.0	0.46	50.0000		96.3	77 - 121	2.97	20	
1,3,5-Trimethylbenzene	45.5600	5.0	0.70	50.0000		91.1	84 - 135	1.68	20	
1,3-Dichlorobenzene	46.6600	5.0	0.36	50.0000		93.3	81 - 126	1.08	20	
1,3-Dichloropropane	45.7700	5.0	0.49	50.0000		91.5	80 - 118	5.03	20	
1,4-Dichlorobenzene	44.7300	5.0	0.27	50.0000		89.5	80 - 124	8.09	20	
2,2-Dichloropropane	51.6000	5.0	0.28	50.0000		103	72 - 135	6.09	20	
2-Chlorotoluene	46.5900	5.0	0.53	50.0000		93.2	81 - 127	4.98	20	
4-Chlorotoluene	48.0500	5.0	0.40	50.0000		96.1	83 - 127	0.292	20	
4-Isopropyltoluene	46.0900	5.0	0.81	50.0000		92.2	82 - 143	0.886	20	
Benzene	50.9400	5.0	0.36	50.0000		102	84 - 123	2.00	20	
Bromobenzene	46.6300	5.0	0.62	50.0000		93.3	80 - 122	4.42	20	
Bromochloromethane	49.2800	5.0	0.30	50.0000		98.6	83 - 127	7.80	20	
Bromodichloromethane	55.7800	5.0	0.52	50.0000		112	82 - 123	1.92	20	
Bromoform	45.5900	5.0	1.4	50.0000		91.2	80 - 132	3.30	20	
Bromomethane	76.5000	5.0	2.5	50.0000		153	67 - 176	21.5	20	R





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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1278 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2C1278-BSD1) - Continued</b>					Prepared: 3/21/2022 Analyzed: 3/21/2022				
Carbon disulfide	47.5000	5.0	0.94	50.0000		95.0	75 - 138	18.5	20
Carbon tetrachloride	52.6300	5.0	0.73	50.0000		105	76 - 131	1.21	20
Chlorobenzene	44.6900	5.0	0.42	50.0000		89.4	84 - 119	3.88	20
Chloroethane	57.2800	5.0	1.5	50.0000		115	56 - 170	2.89	20
Chloroform	53.0000	5.0	0.24	50.0000		106	78 - 129	3.92	20
Chloromethane	45.8900	5.0	1.1	50.0000		91.8	63 - 141	9.62	20
cis-1,2-Dichloroethene	36.5300	5.0	0.20	50.0000		73.1	83 - 125	10.5	20 L3
cis-1,3-Dichloropropene	42.5300	5.0	0.39	50.0000		85.1	76 - 129	7.19	20
Di-isopropyl ether	47.5400	5.0	1.9	50.0000		95.1	73 - 132	4.02	20
Dibromochloromethane	44.5500	5.0	0.81	50.0000		89.1	81 - 120	0.112	20
Dibromomethane	47.9500	5.0	0.23	50.0000		95.9	79 - 124	3.70	20
Dichlorodifluoromethane	40.2500	5.0	0.14	50.0000		80.5	18 - 199	11.1	20
Ethyl Acetate	22.7600	50	7.0	500.000		4.55	76 - 138	12.0	20 MO
Ethyl Ether	569.490	50	17	500.000		114	74 - 128	11.7	20
Ethyl tert-butyl ether	45.0700	5.0	0.85	50.0000		90.1	50 - 175	7.87	20
Ethylbenzene	45.4600	5.0	0.43	50.0000		90.9	86 - 130	2.09	20
Freon-113	54.0500	5.0	1.3	50.0000		108	66 - 132	12.0	20
Hexachlorobutadiene	46.3700	5.0	0.40	50.0000		92.7	64 - 135	6.29	20
Isopropylbenzene	47.6800	5.0	0.79	50.0000		95.4	80 - 133	0.648	20
m,p-Xylene	90.2300	10	0.98	100.000		90.2	89 - 133	5.01	20
Methylene chloride	49.4300	5.0	2.2	50.0000		98.9	72 - 143	9.81	20
MTBE	44.6400	5.0	0.81	50.0000		89.3	73 - 136	4.64	20
n-Butylbenzene	46.3500	5.0	1.2	50.0000		92.7	76 - 144	4.31	20
n-Propylbenzene	46.2600	5.0	0.78	50.0000		92.5	81 - 136	1.91	20
Naphthalene	42.4800	5.0	1.1	50.0000		85.0	64 - 128	0.425	20
o-Xylene	45.1700	5.0	0.67	50.0000		90.3	82 - 134	2.54	20
sec-Butylbenzene	46.6200	5.0	0.63	50.0000		93.2	81 - 138	1.95	20
Styrene	44.8700	5.0	0.45	50.0000		89.7	79 - 152	3.70	20
tert-Amyl methyl ether	46.7400	5.0	1.1	50.0000		93.5	48 - 166	4.66	20
tert-Butanol	171.620	100	11	250.000		68.6	48 - 148	5.86	20
tert-Butylbenzene	45.4700	5.0	0.80	50.0000		90.9	81 - 135	2.65	20
Tetrachloroethene	44.2100	5.0	0.31	50.0000		88.4	75 - 127	6.27	20
Toluene	48.6800	5.0	0.27	50.0000		97.4	88 - 130	4.22	20
trans-1,2-Dichloroethene	67.1700	5.0	0.56	50.0000		134	79 - 127	5.49	20 L4
trans-1,3-Dichloropropene	49.1400	5.0	0.59	50.0000		98.3	80 - 130	0.531	20
Trichloroethene	49.2400	5.0	0.32	50.0000		98.5	83 - 126	4.41	20
Trichlorofluoromethane	58.7700	5.0	1.0	50.0000		118	62 - 143	8.47	20
Vinyl acetate	32.8100	50	6.0	500.000		6.56	69 - 150	2.38	20 MO
Vinyl chloride	55.6900	5.0	0.92	50.0000		111	69 - 140	9.12	20

Surrogate: 1,2-Dichloroethane-d4	52.53	50.0000	105	66 - 200
Surrogate: 4-Bromofluorobenzene	47.92	50.0000	95.8	50 - 146
Surrogate: Dibromofluoromethane	53.56	50.0000	107	77 - 159
Surrogate: Toluene-d8	49.97	50.0000	99.9	81 - 128



## Certificate of Analysis

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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1304 - MSVOA\_S**

**Blank (B2C1304-BLK1)**

Prepared: 3/22/2022 Analyzed: 3/22/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1304 - MSVOA\_S (continued)**

**Blank (B2C1304-BLK1) - Continued**

Prepared: 3/22/2022 Analyzed: 3/22/2022

Ethylbenzene	ND	5.0	0.43					
Freon-113	ND	5.0	1.3					
Hexachlorobutadiene	ND	5.0	0.40					
Isopropylbenzene	ND	5.0	0.79					
m,p-Xylene	ND	10	0.98					
Methylene chloride	ND	5.0	2.2					
MTBE	ND	5.0	0.81					
n-Butylbenzene	ND	5.0	1.2					
n-Propylbenzene	ND	5.0	0.78					
Naphthalene	ND	5.0	1.1					
o-Xylene	ND	5.0	0.67					
sec-Butylbenzene	ND	5.0	0.63					
Styrene	ND	5.0	0.45					
tert-Amyl methyl ether	ND	5.0	1.1					
tert-Butanol	ND	100	11					
tert-Butylbenzene	ND	5.0	0.80					
Tetrachloroethene	ND	5.0	0.31					
Toluene	ND	5.0	0.27					
trans-1,2-Dichloroethene	ND	5.0	0.56					
trans-1,3-Dichloropropene	ND	5.0	0.59					
Trichloroethene	ND	5.0	0.32					
Trichlorofluoromethane	ND	5.0	1.0					
Vinyl acetate	ND	50	6.0					
Vinyl chloride	ND	5.0	0.92					

<i>Surrogate: 1,2-Dichloroethane-d4</i>	74.54		50.0000	149	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	50.10		50.0000	100	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	54.31		50.0000	109	77 - 159
<i>Surrogate: Toluene-d8</i>	54.99		50.0000	110	81 - 128

**LCS (B2C1304-BS1)**

Prepared: 3/22/2022 Analyzed: 3/22/2022

1,1,1,2-Tetrachloroethane	46.5700	5.0	0.52	50.0000	93.1	84 - 123
1,1,1-Trichloroethane	60.7500	5.0	0.26	50.0000	122	78 - 133
1,1,2,2-Tetrachloroethane	41.6200	5.0	0.21	50.0000	83.2	63 - 127
1,1,2-Trichloroethane	43.2300	5.0	0.40	50.0000	86.5	80 - 125
1,1-Dichloroethane	45.4600	5.0	1.4	50.0000	90.9	77 - 128
1,1-Dichloroethene	44.0600	5.0	1.9	50.0000	88.1	69 - 138
1,1-Dichloropropene	45.4600	5.0	0.54	50.0000	90.9	80 - 133
1,2,3-Trichloropropane	43.4500	5.0	0.40	50.0000	86.9	74 - 123
1,2,3-Trichlorobenzene	44.4100	5.0	0.83	50.0000	88.8	79 - 133
1,2,4-Trichlorobenzene	43.8700	5.0	0.80	50.0000	87.7	73 - 131
1,2,4-Trimethylbenzene	45.4800	5.0	0.91	50.0000	91.0	86 - 137
1,2-Dibromo-3-chloropropane	52.8300	10	1.1	50.0000	106	62 - 127
1,2-Dibromoethane	44.5000	5.0	0.40	50.0000	89.0	83 - 126
1,2-Dichlorobenzene	43.0500	5.0	0.21	50.0000	86.1	83 - 123
1,2-Dichloroethane	64.4100	5.0	0.50	50.0000	129	76 - 128

L3



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1304 - MSVOA_S (continued)</b>										
<b>LCS (B2C1304-BS1) - Continued</b>										
					Prepared: 3/22/2022 Analyzed: 3/22/2022					
1,2-Dichloropropane	40.5300	5.0	0.46	50.0000		81.1	77 - 121			
1,3,5-Trimethylbenzene	45.1100	5.0	0.70	50.0000		90.2	84 - 135			
1,3-Dichlorobenzene	41.7500	5.0	0.36	50.0000		83.5	81 - 126			
1,3-Dichloropropane	44.3400	5.0	0.49	50.0000		88.7	80 - 118			
1,4-Dichlorobenzene	42.7800	5.0	0.27	50.0000		85.6	80 - 124			
2,2-Dichloropropane	56.3300	5.0	0.28	50.0000		113	72 - 135			
2-Chlorotoluene	48.2800	5.0	0.53	50.0000		96.6	81 - 127			
4-Chlorotoluene	50.5500	5.0	0.40	50.0000		101	83 - 127			
4-Isopropyltoluene	46.9700	5.0	0.81	50.0000		93.9	82 - 143			
Benzene	46.1000	5.0	0.36	50.0000		92.2	84 - 123			
Bromobenzene	44.6400	5.0	0.62	50.0000		89.3	80 - 122			
Bromochloromethane	42.5800	5.0	0.30	50.0000		85.2	83 - 127			
Bromodichloromethane	56.3800	5.0	0.52	50.0000		113	82 - 123			
Bromoform	50.6600	5.0	1.4	50.0000		101	80 - 132			
Bromomethane	55.4700	5.0	2.5	50.0000		111	67 - 176			
Carbon disulfide	38.6600	5.0	0.94	50.0000		77.3	75 - 138			
Carbon tetrachloride	64.9900	5.0	0.73	50.0000		130	76 - 131			
Chlorobenzene	43.4300	5.0	0.42	50.0000		86.9	84 - 119			
Chloroethane	47.4000	5.0	1.5	50.0000		94.8	56 - 170			
Chloroform	50.8500	5.0	0.24	50.0000		102	78 - 129			
Chloromethane	35.8900	5.0	1.1	50.0000		71.8	63 - 141			
cis-1,2-Dichloroethene	62.3200	5.0	0.20	50.0000		125	83 - 125			
cis-1,3-Dichloropropene	44.0400	5.0	0.39	50.0000		88.1	76 - 129			
Di-isopropyl ether	40.2300	5.0	1.9	50.0000		80.5	73 - 132			
Dibromochloromethane	49.4200	5.0	0.81	50.0000		98.8	81 - 120			
Dibromomethane	50.1400	5.0	0.23	50.0000		100	79 - 124			
Dichlorodifluoromethane	44.2200	5.0	0.14	50.0000		88.4	18 - 199			
Ethyl Acetate	27.0800	50	7.0	500.000		5.42	76 - 138			MO
Ethyl Ether	494.320	50	17	500.000		98.9	74 - 128			
Ethyl tert-butyl ether	43.8000	5.0	0.85	50.0000		87.6	50 - 175			
Ethylbenzene	49.4600	5.0	0.43	50.0000		98.9	86 - 130			
Freon-113	45.2600	5.0	1.3	50.0000		90.5	66 - 132			
Hexachlorobutadiene	52.5700	5.0	0.40	50.0000		105	64 - 135			
Isopropylbenzene	45.3000	5.0	0.79	50.0000		90.6	80 - 133			
m,p-Xylene	100.160	10	0.98	100.000		100	89 - 133			
Methylene chloride	42.7100	5.0	2.2	50.0000		85.4	72 - 143			
MTBE	45.2600	5.0	0.81	50.0000		90.5	73 - 136			
n-Butylbenzene	46.9700	5.0	1.2	50.0000		93.9	76 - 144			
n-Propylbenzene	46.5900	5.0	0.78	50.0000		93.2	81 - 136			
Naphthalene	35.8600	5.0	1.1	50.0000		71.7	64 - 128			
o-Xylene	50.2900	5.0	0.67	50.0000		101	82 - 134			
sec-Butylbenzene	45.0600	5.0	0.63	50.0000		90.1	81 - 138			
Styrene	43.1600	5.0	0.45	50.0000		86.3	79 - 152			
tert-Amyl methyl ether	41.5000	5.0	1.1	50.0000		83.0	48 - 166			
tert-Butanol	203.720	100	11	250.000		81.5	48 - 148			



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1304 - MSVOA_S (continued)</b>										
<b>LCS (B2C1304-BS1) - Continued</b>					Prepared: 3/22/2022 Analyzed: 3/22/2022					
tert-Butylbenzene	45.5800	5.0	0.80	50.0000		91.2	81 - 135			
Tetrachloroethene	47.5800	5.0	0.31	50.0000		95.2	75 - 127			
Toluene	48.1100	5.0	0.27	50.0000		96.2	88 - 130			
trans-1,2-Dichloroethene	34.7700	5.0	0.56	50.0000		69.5	79 - 127			L3
trans-1,3-Dichloropropene	49.8100	5.0	0.59	50.0000		99.6	80 - 130			
Trichloroethene	46.6200	5.0	0.32	50.0000		93.2	83 - 126			
Trichlorofluoromethane	65.5000	5.0	1.0	50.0000		131	62 - 143			
Vinyl acetate	96.0700	50	6.0	500.000		19.2	69 - 150			MO
Vinyl chloride	42.7400	5.0	0.92	50.0000		85.5	69 - 140			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	68.45			50.0000		137	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	55.54			50.0000		111	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	53.60			50.0000		107	77 - 159
<i>Surrogate: Toluene-d8</i>	57.82			50.0000		116	81 - 128

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>LCS Dup (B2C1304-BSD1)</b>					Prepared: 3/22/2022 Analyzed: 3/22/2022					
1,1,1,2-Tetrachloroethane	46.4800	5.0	0.52	50.0000		93.0	84 - 123	0.193	20	
1,1,1-Trichloroethane	58.1100	5.0	0.26	50.0000		116	78 - 133	4.44	20	
1,1,2,2-Tetrachloroethane	41.8300	5.0	0.21	50.0000		83.7	63 - 127	0.503	20	
1,1,2-Trichloroethane	42.2400	5.0	0.40	50.0000		84.5	80 - 125	2.32	20	
1,1-Dichloroethane	45.9200	5.0	1.4	50.0000		91.8	77 - 128	1.01	20	
1,1-Dichloroethene	44.5800	5.0	1.9	50.0000		89.2	69 - 138	1.17	20	
1,1-Dichloropropene	42.5600	5.0	0.54	50.0000		85.1	80 - 133	6.59	20	
1,2,3-Trichloropropane	44.6700	5.0	0.40	50.0000		89.3	74 - 123	2.77	20	
1,2,3-Trichlorobenzene	48.0100	5.0	0.83	50.0000		96.0	79 - 133	7.79	20	
1,2,4-Trichlorobenzene	47.5400	5.0	0.80	50.0000		95.1	73 - 131	8.03	20	
1,2,4-Trimethylbenzene	45.2800	5.0	0.91	50.0000		90.6	86 - 137	0.441	20	
1,2-Dibromo-3-chloropropane	57.0700	10	1.1	50.0000		114	62 - 127	7.72	20	
1,2-Dibromoethane	42.5300	5.0	0.40	50.0000		85.1	83 - 126	4.53	20	
1,2-Dichlorobenzene	45.0200	5.0	0.21	50.0000		90.0	83 - 123	4.47	20	
1,2-Dichloroethane	62.0700	5.0	0.50	50.0000		124	76 - 128	3.70	20	
1,2-Dichloropropane	41.4700	5.0	0.46	50.0000		82.9	77 - 121	2.29	20	
1,3,5-Trimethylbenzene	46.8300	5.0	0.70	50.0000		93.7	84 - 135	3.74	20	
1,3-Dichlorobenzene	43.3900	5.0	0.36	50.0000		86.8	81 - 126	3.85	20	
1,3-Dichloropropane	43.8700	5.0	0.49	50.0000		87.7	80 - 118	1.07	20	
1,4-Dichlorobenzene	44.5800	5.0	0.27	50.0000		89.2	80 - 124	4.12	20	
2,2-Dichloropropane	54.4700	5.0	0.28	50.0000		109	72 - 135	3.36	20	
2-Chlorotoluene	49.2500	5.0	0.53	50.0000		98.5	81 - 127	1.99	20	
4-Chlorotoluene	51.6700	5.0	0.40	50.0000		103	83 - 127	2.19	20	
4-Isopropyltoluene	47.4800	5.0	0.81	50.0000		95.0	82 - 143	1.08	20	
Benzene	45.0600	5.0	0.36	50.0000		90.1	84 - 123	2.28	20	
Bromobenzene	44.6300	5.0	0.62	50.0000		89.3	80 - 122	0.0224	20	
Bromochloromethane	44.7300	5.0	0.30	50.0000		89.5	83 - 127	4.92	20	
Bromodichloromethane	53.5100	5.0	0.52	50.0000		107	82 - 123	5.22	20	
Bromoform	51.1200	5.0	1.4	50.0000		102	80 - 132	0.904	20	
Bromomethane	54.8300	5.0	2.5	50.0000		110	67 - 176	1.16	20	



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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1304 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C1304-BSD1) - Continued</b>					Prepared: 3/22/2022 Analyzed: 3/22/2022					
Carbon disulfide	38.2300	5.0	0.94	50.0000		76.5	75 - 138	1.12	20	
Carbon tetrachloride	62.2400	5.0	0.73	50.0000		124	76 - 131	4.32	20	
Chlorobenzene	43.5600	5.0	0.42	50.0000		87.1	84 - 119	0.299	20	
Chloroethane	46.4400	5.0	1.5	50.0000		92.9	56 - 170	2.05	20	
Chloroform	51.2100	5.0	0.24	50.0000		102	78 - 129	0.705	20	
Chloromethane	34.8400	5.0	1.1	50.0000		69.7	63 - 141	2.97	20	
cis-1,2-Dichloroethene	60.4300	5.0	0.20	50.0000		121	83 - 125	3.08	20	
cis-1,3-Dichloropropene	42.3700	5.0	0.39	50.0000		84.7	76 - 129	3.87	20	
Di-isopropyl ether	38.7100	5.0	1.9	50.0000		77.4	73 - 132	3.85	20	
Dibromochloromethane	50.6600	5.0	0.81	50.0000		101	81 - 120	2.48	20	
Dibromomethane	48.9500	5.0	0.23	50.0000		97.9	79 - 124	2.40	20	
Dichlorodifluoromethane	44.1700	5.0	0.14	50.0000		88.3	18 - 199	0.113	20	
Ethyl Acetate	18.0600	50	7.0	500.000		3.61	76 - 138	40.0	20	MO, R
Ethyl Ether	491.140	50	17	500.000		98.2	74 - 128	0.645	20	
Ethyl tert-butyl ether	42.3900	5.0	0.85	50.0000		84.8	50 - 175	3.27	20	
Ethylbenzene	47.7100	5.0	0.43	50.0000		95.4	86 - 130	3.60	20	
Freon-113	45.2900	5.0	1.3	50.0000		90.6	66 - 132	0.0663	20	
Hexachlorobutadiene	55.4100	5.0	0.40	50.0000		111	64 - 135	5.26	20	
Isopropylbenzene	44.9100	5.0	0.79	50.0000		89.8	80 - 133	0.865	20	
m,p-Xylene	99.3700	10	0.98	100.000		99.4	89 - 133	0.792	20	
Methylene chloride	41.3300	5.0	2.2	50.0000		82.7	72 - 143	3.28	20	
MTBE	44.6800	5.0	0.81	50.0000		89.4	73 - 136	1.29	20	
n-Butylbenzene	48.1300	5.0	1.2	50.0000		96.3	76 - 144	2.44	20	
n-Propylbenzene	47.0900	5.0	0.78	50.0000		94.2	81 - 136	1.07	20	
Naphthalene	37.9200	5.0	1.1	50.0000		75.8	64 - 128	5.58	20	
o-Xylene	49.8500	5.0	0.67	50.0000		99.7	82 - 134	0.879	20	
sec-Butylbenzene	45.0700	5.0	0.63	50.0000		90.1	81 - 138	0.0222	20	
Styrene	42.6700	5.0	0.45	50.0000		85.3	79 - 152	1.14	20	
tert-Amyl methyl ether	42.0100	5.0	1.1	50.0000		84.0	48 - 166	1.22	20	
tert-Butanol	193.270	100	11	250.000		77.3	48 - 148	5.26	20	
tert-Butylbenzene	46.5400	5.0	0.80	50.0000		93.1	81 - 135	2.08	20	
Tetrachloroethene	47.2300	5.0	0.31	50.0000		94.5	75 - 127	0.738	20	
Toluene	47.0900	5.0	0.27	50.0000		94.2	88 - 130	2.14	20	
trans-1,2-Dichloroethene	35.2700	5.0	0.56	50.0000		70.5	79 - 127	1.43	20	L3
trans-1,3-Dichloropropene	47.0700	5.0	0.59	50.0000		94.1	80 - 130	5.66	20	
Trichloroethene	46.2400	5.0	0.32	50.0000		92.5	83 - 126	0.818	20	
Trichlorofluoromethane	64.4700	5.0	1.0	50.0000		129	62 - 143	1.58	20	
Vinyl acetate	92.4900	50	6.0	500.000		18.5	69 - 150	3.80	20	MO
Vinyl chloride	41.6100	5.0	0.92	50.0000		83.2	69 - 140	2.68	20	

Surrogate: 1,2-Dichloroethane-d4	65.14	50.0000	130	66 - 200
Surrogate: 4-Bromofluorobenzene	54.76	50.0000	110	50 - 146
Surrogate: Dibromofluoromethane	50.62	50.0000	101	77 - 159
Surrogate: Toluene-d8	55.12	50.0000	110	81 - 128

2200407

3.2°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		PROJECT NAME: Ontario Airport		PROJECT NO.: 5925																			
TEL: (949) 679-1070		PROJECT CONTACT: Winnie Robino / Josh Voss		LAB CONTACT: Victoria Michel																			
E-MAIL: yprobino@gsi-net.com / jvoss@gsi-net.com		GLOBAL ID:		SAMPLER(S): (PRINT) Tim Nomin / Josh Voss																			
LABORATORY: Advanced Technology Laboratories		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.																					
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD																							
SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32																							
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Preserved		Field Filtered		T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCs 8081A	Herbicides 8051					
		DATE	TIME			Unpreserved	Field Filtered																
1	6 W-32-10-1	3/17/22	0744	Soil	1	1				X	X	X											
2	6 W-32-10-5.5		0754		5	1	4			X	X	X											
3	6 W-32-9-1		0812		1	1	4			X	X	X											
4	6 W-32-9-5.5		0820		5	1	4			X	X	X											
5	6 W-32-8-1		0841		1	1	4			X	X	X											
6	6 W-32-8-5.5		0848		5	1	4			X	X	X											
7	SV-8-1		0953		1	1	4			X	X	X											
8	SV-8-5.5		1015		5	1	4			X	X	X											
9	SV-8-14		1020		5	1	4			X	X	X											
10	SV-5-1		1120		1	1	4			X	X	X											
11	SV-5-5.5		1131		5	1	4			X	X	X											
12	SV-5-14		1137		5	1	4			X	X	X											
13	TB-20120317		1148	Water	4	1	4												X				
14	SV-2-1		1319	Soil	1	1	4			X	X	X											
15	SV-2-5.5		1328	Soil	5	1	4			X	X	X											
Relinquished by: (Signature)		Date: 3/17/22		Time: 10:26		Received by: (Signature)		Date: 3/17/22		Time: 18:12		Received by: (Signature)		Date: 3/17/22		Time: 18:12		Received by: (Signature)		Date: 3/17/22		Time: 18:12	





May 12, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

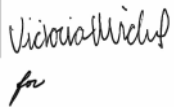
Re: ATL Work Order Number : 2200413

Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 18, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 05/12/22 15:36 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-1-11-1	2200413-01	Soil	3/18/22 8:15	3/18/22 15:10
61W-1-11-6	2200413-02	Soil	3/18/22 8:24	3/18/22 15:10
61W-1-10-1	2200413-03	Soil	3/18/22 8:46	3/18/22 15:10
61W-1-10-6	2200413-04	Soil	3/18/22 8:53	3/18/22 15:10
61W-1-6-1	2200413-05	Soil	3/18/22 9:12	3/18/22 15:10
61W-1-6-6	2200413-06	Soil	3/18/22 9:20	3/18/22 15:10
61W-1-9-1	2200413-07	Soil	3/18/22 9:47	3/18/22 15:10
61W-1-9-5.5	2200413-08	Soil	3/18/22 9:54	3/18/22 15:10
61W-1-9-14	2200413-09	Soil	3/18/22 9:58	3/18/22 15:10
61W-23-3-1	2200413-10	Soil	3/18/22 10:52	3/18/22 15:10
61W-23-3-5.5	2200413-11	Soil	3/18/22 11:01	3/18/22 15:10
61W-23-2-1	2200413-12	Soil	3/18/22 11:25	3/18/22 15:10
61W-23-2-5.5	2200413-13	Soil	3/18/22 11:40	3/18/22 15:10
TB_20220318	2200413-14	Water	3/18/22 11:50	3/18/22 15:10
61W-23-1-1	2200413-15	Soil	3/18/22 12:03	3/18/22 15:10
61W-23-1-5.5	2200413-16	Soil	3/18/22 12:08	3/18/22 15:10
61W-8-1-1	2200413-17	Soil	3/18/22 12:37	3/18/22 15:10
61W-8-1-5.5	2200413-18	Soil	3/18/22 12:43	3/18/22 15:10



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### Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time	Notes
								Analyzed	
2200413-01	61W-1-11-1	0.10	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:31	
2200413-03	61W-1-10-1	0.17	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:44	
2200413-05	61W-1-6-1	0.19	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:47	
2200413-07	61W-1-9-1	0.20	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:50	
2200413-10	61W-23-3-1	0.18	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:53	
2200413-12	61W-23-2-1	0.20	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 13:56	
2200413-15	61W-23-1-1	0.19	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 14:06	
2200413-17	61W-8-1-1	0.23	mg/kg	0.10	1	B2C1319	03/23/2022	03/24/22 14:08	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-11-1**  
**Lab ID: 2200413-01**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
<b>Barium</b>	<b>72</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
<b>Beryllium</b>	<b>2.1</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
<b>Cobalt</b>	<b>4.0</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
<b>Copper</b>	<b>7.8</b>	2.0	1	B2C1342	03/23/2022	03/23/22 18:45	
<b>Lead</b>	<b>3.7</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
<b>Nickel</b>	<b>5.3</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
<b>Silver</b>	<b>4.6</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
<b>Vanadium</b>	<b>25</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:45	

## Organochlorine Pesticides by EPA 8081A

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
4,4'-DDE	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
<b>4,4'-DDT [2C]</b>	<b>2.6</b>	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Aldrin	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
alpha-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
alpha-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
beta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Chlordane	ND	8.5	1	B2C1295	03/21/2022	03/23/22 16:48	
delta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Dieldrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endosulfan I	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endosulfan II	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endosulfan sulfate	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endrin aldehyde	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Endrin ketone	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:48	
gamma-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
gamma-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	



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**Client Sample ID: 61W-1-11-1**  
**Lab ID: 2200413-01**

#### Organochlorine Pesticides by EPA 8081A

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Heptachlor epoxide	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Methoxychlor	ND	5.0	1	B2C1295	03/21/2022	03/23/22 16:48	
Toxaphene	ND	50	1	B2C1295	03/21/2022	03/23/22 16:48	
<i>Surrogate: Decachlorobiphenyl</i>	51.9 %	0 - 97		B2C1295	03/21/2022	03/23/22 16:48	
<i>Surrogate: Tetrachloro-m-xylene</i>	55.5 %	3 - 78		B2C1295	03/21/2022	03/23/22 16:48	



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**Client Sample ID: 61W-1-11-6**  
**Lab ID: 2200413-02**

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Acenaphthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Acenaphthylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Benzo(a)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Benzo(a)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Benzo(b)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Benzo(k)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Chrysene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Fluorene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Naphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Phenanthrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
Pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:27	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	62.7 %	12 - 125		B2C1309	03/22/2022	03/23/22 03:27	
<i>Surrogate: 2-Fluorobiphenyl</i>	79.6 %	14 - 139		B2C1309	03/22/2022	03/23/22 03:27	
<i>Surrogate: Nitrobenzene-d5</i>	54.7 %	8 - 155		B2C1309	03/22/2022	03/23/22 03:27	
<i>Surrogate: 4-Terphenyl-d14</i>	107 %	16 - 152		B2C1309	03/22/2022	03/23/22 03:27	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 17:19	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 17:19	
<i>Surrogate: p-Terphenyl</i>	128 %	62 - 141		B2C1311	03/22/2022	03/24/22 17:19	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,1,1-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,1,2-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	



## Certificate of Analysis

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19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: 61W-1-11-6**

**Lab ID: 2200413-02**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,1-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,1-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2,3-Trichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2-Dibromoethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,3-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,3-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
1,4-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
2,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
2-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
4-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
4-Isopropyltoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Benzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Bromobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Bromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Bromodichloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Bromoform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Bromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Carbon disulfide	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Carbon tetrachloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Chlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Chloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Chloroform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Chloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Di-isopropyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Dibromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Dibromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Dichlorodifluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Ethyl Acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 17:04	
Ethyl Ether	ND	44	1	B2C1305	03/22/2022	03/22/22 17:04	





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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

**Client Sample ID: 61W-1-11-6**  
**Lab ID: 2200413-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Ethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Freon-113	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Hexachlorobutadiene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Isopropylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
m,p-Xylene	ND	8.9	1	B2C1305	03/22/2022	03/22/22 17:04	
Methylene chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
MTBE	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
n-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
n-Propylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Naphthalene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
o-Xylene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
sec-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Styrene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
tert-Amyl methyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
tert-Butanol	ND	89	1	B2C1305	03/22/2022	03/22/22 17:04	
tert-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Tetrachloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Toluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Trichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Trichlorofluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
Vinyl acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 17:04	
Vinyl chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:04	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>136 %</i>	<i>66 - 200</i>		B2C1305	03/22/2022	<i>03/22/22 17:04</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.7 %</i>	<i>50 - 146</i>		B2C1305	03/22/2022	<i>03/22/22 17:04</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>121 %</i>	<i>77 - 159</i>		B2C1305	03/22/2022	<i>03/22/22 17:04</i>	
<i>Surrogate: Toluene-d8</i>	<i>93.6 %</i>	<i>81 - 128</i>		B2C1305	03/22/2022	<i>03/22/22 17:04</i>	

## Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
1,2-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
1,3-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
1,4-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2,4,5-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	



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Reported : 05/12/2022

**Client Sample ID: 61W-1-11-6**

**Lab ID: 2200413-02**

### Semivolatile Organic Compounds by EPA 8270C

**Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2,4,6-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2,4-Dichlorophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
2,4-Dimethylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2,4-Dinitrophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
2,4-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2,6-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Chloronaphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Chlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Methylnaphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
2-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
3,3'-Dichlorobenzidine	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
3-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
4,6-Dinitro-2-methylphenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Bromophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Chloro-3-methylphenol	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Chloroaniline	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Chlorophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
4-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Acenaphthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Acenaphthylene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzidine (M)	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzo(a)anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzo(a)pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzo(b)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzo(g,h,i)perylene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzo(k)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzoic acid	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
Benzyl alcohol	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
bis(2-chloroethoxy)methane	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
bis(2-Chloroethyl)ether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
bis(2-chloroisopropyl)ether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Butylbenzylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Chrysene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Di-n-butylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-11-6**  
**Lab ID: 2200413-02**

## Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Di-n-octylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Dibenz(a,h)anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Dibenzofuran	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Diethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Dimethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Fluorene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Hexachlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Hexachlorobutadiene	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
Hexachlorocyclopentadiene	ND	660	1	B2C1344	03/23/2022	03/23/22 21:03	
Hexachloroethane	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Isophorone	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
N-Nitroso-di-n propylamine	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
N-Nitrosodiphenylamine	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Naphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Nitrobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Pentachlorophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
Phenanthrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Phenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:03	
Pyridine	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:03	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>53.8 %</i>	<i>23 - 102</i>		B2C1344	03/23/2022	03/23/22 21:03	
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>59.9 %</i>	<i>3 - 138</i>		B2C1344	03/23/2022	03/23/22 21:03	
<i>Surrogate: 2-Chlorophenol-d4</i>	<i>53.2 %</i>	<i>18 - 105</i>		B2C1344	03/23/2022	03/23/22 21:03	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>54.8 %</i>	<i>34 - 106</i>		B2C1344	03/23/2022	03/23/22 21:03	
<i>Surrogate: 2-Fluorophenol</i>	<i>49.9 %</i>	<i>16 - 94</i>		B2C1344	03/23/2022	03/23/22 21:03	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>66.3 %</i>	<i>31 - 130</i>		B2C1344	03/23/2022	03/23/22 21:03	
<i>Surrogate: Nitrobenzene-d5</i>	<i>53.5 %</i>	<i>23 - 102</i>		B2C1344	03/23/2022	03/23/22 21:03	
<i>Surrogate: Phenol-d6</i>	<i>51.7 %</i>	<i>14 - 104</i>		B2C1344	03/23/2022	03/23/22 21:03	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.89	1	B2C1434	03/29/2022	03/29/22 16:32	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.3 %</i>	<i>47.6 - 121.18</i>		B2C1434	03/29/2022	03/29/22 16:32	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-10-1**  
**Lab ID: 2200413-03**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
<b>Barium</b>	<b>80</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
<b>Beryllium</b>	<b>2.3</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
<b>Chromium</b>	<b>13</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
<b>Cobalt</b>	<b>4.3</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
<b>Copper</b>	<b>8.7</b>	2.0	1	B2C1342	03/23/2022	03/23/22 18:50	
<b>Lead</b>	<b>3.8</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
<b>Nickel</b>	<b>5.8</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
<b>Silver</b>	<b>5.0</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
<b>Vanadium</b>	<b>27</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	
<b>Zinc</b>	<b>36</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:50	

## Organochlorine Pesticides by EPA 8081A

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
<b>4,4'-DDE</b>	<b>6.0</b>	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
<b>4,4'-DDT</b>	<b>3.1</b>	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Aldrin	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
alpha-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
alpha-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
beta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Chlordane	ND	8.5	1	B2C1295	03/21/2022	03/23/22 16:59	
delta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Dieldrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endosulfan I	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endosulfan II	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endosulfan sulfate	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endrin aldehyde	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Endrin ketone	ND	2.0	1	B2C1295	03/21/2022	03/23/22 16:59	
gamma-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
gamma-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	



### Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-1-10-1**  
**Lab ID: 2200413-03**

#### Organochlorine Pesticides by EPA 8081A

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Heptachlor epoxide	ND	1.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Methoxychlor	ND	5.0	1	B2C1295	03/21/2022	03/23/22 16:59	
Toxaphene	ND	50	1	B2C1295	03/21/2022	03/23/22 16:59	
<i>Surrogate: Decachlorobiphenyl</i>	55.7 %	0 - 97		B2C1295	03/21/2022	03/23/22 16:59	
<i>Surrogate: Tetrachloro-m-xylene</i>	49.1 %	3 - 78		B2C1295	03/21/2022	03/23/22 16:59	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-10-6**  
**Lab ID: 2200413-04**

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Acenaphthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Acenaphthylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Benzo(a)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Benzo(a)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Benzo(b)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Benzo(k)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Chrysene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Fluorene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Naphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Phenanthrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
Pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 03:54	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>71.2 %</i>	<i>12 - 125</i>		B2C1309	03/22/2022	<i>03/23/22 03:54</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>85.1 %</i>	<i>14 - 139</i>		B2C1309	03/22/2022	<i>03/23/22 03:54</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>62.4 %</i>	<i>8 - 155</i>		B2C1309	03/22/2022	<i>03/23/22 03:54</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>111 %</i>	<i>16 - 152</i>		B2C1309	03/22/2022	<i>03/23/22 03:54</i>	

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 17:40	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 17:40	
<i>Surrogate: p-Terphenyl</i>	<i>108 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 17:40</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,1,1-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,1,2-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-10-6**  
**Lab ID: 2200413-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,1-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,1-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2,3-Trichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2-Dibromoethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,3-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,3-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
1,4-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
2,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
2-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
4-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
4-Isopropyltoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Benzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Bromobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Bromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Bromodichloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Bromoform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Bromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Carbon disulfide	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Carbon tetrachloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Chlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Chloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Chloroform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Chloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Di-isopropyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Dibromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Dibromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Dichlorodifluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Ethyl Acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 17:30	
Ethyl Ether	ND	44	1	B2C1305	03/22/2022	03/22/22 17:30	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-1-10-6**  
**Lab ID: 2200413-04**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Ethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Freon-113	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Hexachlorobutadiene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Isopropylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
m,p-Xylene	ND	8.9	1	B2C1305	03/22/2022	03/22/22 17:30	
Methylene chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
MTBE	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
n-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
n-Propylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Naphthalene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
o-Xylene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
sec-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Styrene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
tert-Amyl methyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
tert-Butanol	ND	89	1	B2C1305	03/22/2022	03/22/22 17:30	
tert-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Tetrachloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Toluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Trichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Trichlorofluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
Vinyl acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 17:30	
Vinyl chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 17:30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>149 %</i>	<i>66 - 200</i>		B2C1305	03/22/2022	03/22/22 17:30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.7 %</i>	<i>50 - 146</i>		B2C1305	03/22/2022	03/22/22 17:30	
<i>Surrogate: Dibromofluoromethane</i>	<i>126 %</i>	<i>77 - 159</i>		B2C1305	03/22/2022	03/22/22 17:30	
<i>Surrogate: Toluene-d8</i>	<i>95.5 %</i>	<i>81 - 128</i>		B2C1305	03/22/2022	03/22/22 17:30	

### Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
1,2-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
1,3-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
1,4-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2,4,5-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	





## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: 61W-1-10-6**

**Lab ID: 2200413-04**

### Semivolatile Organic Compounds by EPA 8270C

**Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2,4,6-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2,4-Dichlorophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
2,4-Dimethylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2,4-Dinitrophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
2,4-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2,6-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Chloronaphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Chlorophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Methylnaphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
2-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
3,3'-Dichlorobenzidine	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
3-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
4,6-Dinitro-2-methylphenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Bromophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Chloro-3-methylphenol	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Chloroaniline	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Chlorophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
4-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Acenaphthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Acenaphthylene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzidine (M)	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzo(a)anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzo(a)pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzo(b)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzo(g,h,i)perylene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzo(k)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzoic acid	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
Benzyl alcohol	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
bis(2-chloroethoxy)methane	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
bis(2-Chloroethyl)ether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
bis(2-chloroisopropyl)ether	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Butylbenzylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Chrysene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Di-n-butylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-1-10-6**  
**Lab ID: 2200413-04**

### Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Di-n-octylphthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Dibenz(a,h)anthracene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Dibenzofuran	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Diethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Dimethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Fluoranthene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Fluorene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Hexachlorobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Hexachlorobutadiene	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
Hexachlorocyclopentadiene	ND	660	1	B2C1344	03/23/2022	03/23/22 21:30	
Hexachloroethane	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Isophorone	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
N-Nitroso-di-n propylamine	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
N-Nitrosodiphenylamine	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Naphthalene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Nitrobenzene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Pentachlorophenol	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
Phenanthrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Phenol	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Pyrene	ND	330	1	B2C1344	03/23/2022	03/23/22 21:30	
Pyridine	ND	1600	1	B2C1344	03/23/2022	03/23/22 21:30	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>60.3 %</i>	<i>23 - 102</i>		B2C1344	03/23/2022	<i>03/23/22 21:30</i>	
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>64.8 %</i>	<i>3 - 138</i>		B2C1344	03/23/2022	<i>03/23/22 21:30</i>	
<i>Surrogate: 2-Chlorophenol-d4</i>	<i>58.6 %</i>	<i>18 - 105</i>		B2C1344	03/23/2022	<i>03/23/22 21:30</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>61.5 %</i>	<i>34 - 106</i>		B2C1344	03/23/2022	<i>03/23/22 21:30</i>	
<i>Surrogate: 2-Fluorophenol</i>	<i>56.9 %</i>	<i>16 - 94</i>		B2C1344	03/23/2022	<i>03/23/22 21:30</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>70.9 %</i>	<i>31 - 130</i>		B2C1344	03/23/2022	<i>03/23/22 21:30</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>58.2 %</i>	<i>23 - 102</i>		B2C1344	03/23/2022	<i>03/23/22 21:30</i>	
<i>Surrogate: Phenol-d6</i>	<i>56.8 %</i>	<i>14 - 104</i>		B2C1344	03/23/2022	<i>03/23/22 21:30</i>	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1434	03/29/2022	03/29/22 16:57	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.9 %</i>	<i>47.6 - 121.18</i>		B2C1434	03/29/2022	<i>03/29/22 16:57</i>	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-6-1**  
**Lab ID: 2200413-05**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
<b>Barium</b>	<b>69</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
<b>Beryllium</b>	<b>1.8</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
<b>Chromium</b>	<b>10</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
<b>Cobalt</b>	<b>3.5</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
<b>Copper</b>	<b>9.7</b>	2.0	1	B2C1342	03/23/2022	03/23/22 18:52	
<b>Lead</b>	<b>2.9</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
<b>Nickel</b>	<b>4.7</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
<b>Silver</b>	<b>3.9</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
<b>Vanadium</b>	<b>21</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	
<b>Zinc</b>	<b>30</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:52	

## Organochlorine Pesticides by EPA 8081A

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
4,4'-DDE	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
4,4'-DDT	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Aldrin	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
alpha-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
alpha-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
beta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Chlordane	ND	8.5	1	B2C1295	03/21/2022	03/23/22 17:09	
delta-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Dieldrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endosulfan I	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endosulfan II	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endosulfan sulfate	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endrin	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endrin aldehyde	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Endrin ketone	ND	2.0	1	B2C1295	03/21/2022	03/23/22 17:09	
gamma-BHC	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
gamma-Chlordane	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-6-1**  
**Lab ID: 2200413-05**

## Organochlorine Pesticides by EPA 8081A

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Heptachlor	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Heptachlor epoxide	ND	1.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Methoxychlor	ND	5.0	1	B2C1295	03/21/2022	03/23/22 17:09	
Toxaphene	ND	50	1	B2C1295	03/21/2022	03/23/22 17:09	
<i>Surrogate: Decachlorobiphenyl</i>	<i>57.0 %</i>	<i>0 - 97</i>		B2C1295	03/21/2022	<i>03/23/22 17:09</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>48.6 %</i>	<i>3 - 78</i>		B2C1295	03/21/2022	<i>03/23/22 17:09</i>	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-6-6**  
**Lab ID: 2200413-06**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Acenaphthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Acenaphthylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Benzo(a)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Benzo(a)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Benzo(b)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Benzo(k)fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Chrysene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Fluoranthene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Fluorene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Naphthalene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Phenanthrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
Pyrene	ND	5.0	1	B2C1309	03/22/2022	03/23/22 04:20	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>71.3 %</i>	<i>12 - 125</i>		B2C1309	03/22/2022	<i>03/23/22 04:20</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>87.2 %</i>	<i>14 - 139</i>		B2C1309	03/22/2022	<i>03/23/22 04:20</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>64.2 %</i>	<i>8 - 155</i>		B2C1309	03/22/2022	<i>03/23/22 04:20</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>105 %</i>	<i>16 - 152</i>		B2C1309	03/22/2022	<i>03/23/22 04:20</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 18:01	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 18:01	
<i>Surrogate: p-Terphenyl</i>	<i>114 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 18:01</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,1,1-Trichloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,1,2-Trichloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-6-6**  
**Lab ID: 2200413-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,1-Dichloroethene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,1-Dichloropropene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2,3-Trichloropropane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2-Dibromo-3-chloropropane	ND	9.0	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2-Dibromoethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2-Dichlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2-Dichloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,2-Dichloropropane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,3-Dichlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,3-Dichloropropane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
1,4-Dichlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
2,2-Dichloropropane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
2-Chlorotoluene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
4-Chlorotoluene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
4-Isopropyltoluene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Benzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Bromobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Bromochloromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Bromodichloromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Bromoform	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Bromomethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Carbon disulfide	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Carbon tetrachloride	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Chlorobenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Chloroethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Chloroform	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Chloromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Di-isopropyl ether	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Dibromochloromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Dibromomethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Dichlorodifluoromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Ethyl Acetate	ND	45	1	B2C1305	03/22/2022	03/22/22 17:56	
Ethyl Ether	ND	45	1	B2C1305	03/22/2022	03/22/22 17:56	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-6-6**  
**Lab ID: 2200413-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Ethylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Freon-113	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Hexachlorobutadiene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Isopropylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
m,p-Xylene	ND	9.0	1	B2C1305	03/22/2022	03/22/22 17:56	
Methylene chloride	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
MTBE	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
n-Butylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
n-Propylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Naphthalene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
o-Xylene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
sec-Butylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Styrene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
tert-Amyl methyl ether	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
tert-Butanol	ND	90	1	B2C1305	03/22/2022	03/22/22 17:56	
tert-Butylbenzene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Tetrachloroethene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Toluene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Trichloroethene	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Trichlorofluoromethane	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
Vinyl acetate	ND	45	1	B2C1305	03/22/2022	03/22/22 17:56	
Vinyl chloride	ND	4.5	1	B2C1305	03/22/2022	03/22/22 17:56	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>153 %</i>	<i>66 - 200</i>		B2C1305	03/22/2022	03/22/22 17:56	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.9 %</i>	<i>50 - 146</i>		B2C1305	03/22/2022	03/22/22 17:56	
<i>Surrogate: Dibromofluoromethane</i>	<i>124 %</i>	<i>77 - 159</i>		B2C1305	03/22/2022	03/22/22 17:56	
<i>Surrogate: Toluene-d8</i>	<i>94.8 %</i>	<i>81 - 128</i>		B2C1305	03/22/2022	03/22/22 17:56	

## Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
1,2-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
1,3-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
1,4-Dichlorobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2,4,5-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	



## Certificate of Analysis

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Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

Client Sample ID: 61W-1-6-6

Lab ID: 2200413-06

### Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2,4,6-Trichlorophenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2,4-Dichlorophenol	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
2,4-Dimethylphenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2,4-Dinitrophenol	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
2,4-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2,6-Dinitrotoluene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Chloronaphthalene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Chlorophenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Methylnaphthalene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
2-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
3,3'-Dichlorobenzidine	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
3-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
4,6-Dinitro-2-methylphenol	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Bromophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Chloro-3-methylphenol	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Chloroaniline	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Chlorophenyl-phenylether	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Methylphenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Nitroaniline	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
4-Nitrophenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Acenaphthene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Acenaphthylene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Anthracene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzidine (M)	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzo(a)anthracene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzo(a)pyrene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzo(b)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzo(g,h,i)perylene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzo(k)fluoranthene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzoic acid	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
Benzyl alcohol	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
bis(2-chloroethoxy)methane	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
bis(2-Chloroethyl)ether	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
bis(2-chloroisopropyl)ether	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
bis(2-ethylhexyl)phthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Butylbenzylphthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Chrysene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Di-n-butylphthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-6-6**  
**Lab ID: 2200413-06**

## Semivolatile Organic Compounds by EPA 8270C

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Di-n-octylphthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Dibenz(a,h)anthracene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Dibenzofuran	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Diethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Dimethyl phthalate	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Fluoranthene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Fluorene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Hexachlorobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Hexachlorobutadiene	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
Hexachlorocyclopentadiene	ND	660	1	B2C1344	03/23/2022	03/24/22 15:13	
Hexachloroethane	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Indeno(1,2,3-cd)pyrene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Isophorone	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
N-Nitroso-di-n propylamine	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
N-Nitrosodiphenylamine	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Naphthalene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Nitrobenzene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Pentachlorophenol	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
Phenanthrene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Phenol	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Pyrene	ND	330	1	B2C1344	03/23/2022	03/24/22 15:13	
Pyridine	ND	1600	1	B2C1344	03/23/2022	03/24/22 15:13	
Surrogate: 1,2-Dichlorobenzene-d4	50.5 %	23 - 102		B2C1344	03/23/2022	03/24/22 15:13	
Surrogate: 2,4,6-Tribromophenol	57.5 %	3 - 138		B2C1344	03/23/2022	03/24/22 15:13	
Surrogate: 2-Chlorophenol-d4	50.8 %	18 - 105		B2C1344	03/23/2022	03/24/22 15:13	
Surrogate: 2-Fluorobiphenyl	54.8 %	34 - 106		B2C1344	03/23/2022	03/24/22 15:13	
Surrogate: 2-Fluorophenol	48.3 %	16 - 94		B2C1344	03/23/2022	03/24/22 15:13	
Surrogate: 4-Terphenyl-d14	66.3 %	31 - 130		B2C1344	03/23/2022	03/24/22 15:13	
Surrogate: Nitrobenzene-d5	50.2 %	23 - 102		B2C1344	03/23/2022	03/24/22 15:13	
Surrogate: Phenol-d6	50.5 %	14 - 104		B2C1344	03/23/2022	03/24/22 15:13	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.89	1	B2C1434	03/29/2022	03/29/22 17:22	
Surrogate: 4-Bromofluorobenzene	91.2 %	47.6 - 121.18		B2C1434	03/29/2022	03/29/22 17:22	



# Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-1-9-1**  
**Lab ID: 2200413-07**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
<b>Barium</b>	<b>74</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
<b>Beryllium</b>	<b>2.0</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
<b>Cobalt</b>	<b>3.9</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
<b>Copper</b>	<b>8.3</b>	2.0	1	B2C1342	03/23/2022	03/23/22 18:53	
<b>Lead</b>	<b>3.2</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
<b>Nickel</b>	<b>5.4</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
<b>Silver</b>	<b>4.4</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
<b>Vanadium</b>	<b>25</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:53	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-1-9-5.5**

**Lab ID: 2200413-08**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 18:23	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 18:23	
<i>Surrogate: p-Terphenyl</i>	<i>111 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 18:23</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1,1-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1,2-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,1-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2,3-Trichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2-Dibromoethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,3-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,3-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
1,4-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
2,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
2-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
4-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
4-Isopropyltoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Benzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Bromobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Bromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Bromodichloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Bromoform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Bromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Carbon disulfide	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-9-5.5**  
**Lab ID: 2200413-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Chlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Chloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Chloroform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Chloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Di-isopropyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Dibromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Dibromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Dichlorodifluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Ethyl Acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 18:21	
Ethyl Ether	ND	44	1	B2C1305	03/22/2022	03/22/22 18:21	
Ethyl tert-butyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Ethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Freon-113	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Hexachlorobutadiene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Isopropylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
m,p-Xylene	ND	8.9	1	B2C1305	03/22/2022	03/22/22 18:21	
Methylene chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
MTBE	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
n-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
n-Propylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Naphthalene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
o-Xylene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
sec-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Styrene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
tert-Amyl methyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
tert-Butanol	ND	89	1	B2C1305	03/22/2022	03/22/22 18:21	
tert-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Tetrachloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Toluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Trichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Trichlorofluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Vinyl acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 18:21	
Vinyl chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 18:21	
Surrogate: 1,2-Dichloroethane-d4	142 %	66 - 200		B2C1305	03/22/2022	03/22/22 18:21	
Surrogate: 4-Bromofluorobenzene	93.8 %	50 - 146		B2C1305	03/22/2022	03/22/22 18:21	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-9-5.5**  
**Lab ID: 2200413-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	121 %	77 - 159		B2C1305	03/22/2022	03/22/22 18:21	
<i>Surrogate: Toluene-d8</i>	91.8 %	81 - 128		B2C1305	03/22/2022	03/22/22 18:21	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C1434	03/29/2022	03/29/22 17:46	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.1 %	47.6 - 121.18		B2C1434	03/29/2022	03/29/22 17:46	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-9-14**  
**Lab ID: 2200413-09**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 18:44	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 18:44	
<i>Surrogate: p-Terphenyl</i>	<i>99.6 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 18:44</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1,1-Trichloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1,2-Trichloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1-Dichloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1-Dichloroethene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,1-Dichloropropene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2,3-Trichloropropane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2-Dibromo-3-chloropropane	ND	9.2	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2-Dibromoethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2-Dichlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2-Dichloroethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,2-Dichloropropane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,3-Dichlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,3-Dichloropropane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
1,4-Dichlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
2,2-Dichloropropane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
2-Chlorotoluene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
4-Chlorotoluene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
4-Isopropyltoluene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Benzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Bromobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Bromochloromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Bromodichloromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Bromoform	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Bromomethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Carbon disulfide	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-1-9-14**  
**Lab ID: 2200413-09**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Chlorobenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
<b>Chloroethane</b>	<b>31</b>	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Chloroform	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Chloromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Di-isopropyl ether	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Dibromochloromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Dibromomethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Dichlorodifluoromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Ethyl Acetate	ND	46	1	B2C1305	03/22/2022	03/22/22 18:48	
Ethyl Ether	ND	46	1	B2C1305	03/22/2022	03/22/22 18:48	
Ethyl tert-butyl ether	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Ethylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Freon-113	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Hexachlorobutadiene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Isopropylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
m,p-Xylene	ND	9.2	1	B2C1305	03/22/2022	03/22/22 18:48	
Methylene chloride	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
MTBE	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
n-Butylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
n-Propylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Naphthalene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
o-Xylene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
sec-Butylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Styrene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
tert-Amyl methyl ether	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
tert-Butanol	ND	92	1	B2C1305	03/22/2022	03/22/22 18:48	
tert-Butylbenzene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Tetrachloroethene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Toluene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Trichloroethene	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Trichlorofluoromethane	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	
Vinyl acetate	ND	46	1	B2C1305	03/22/2022	03/22/22 18:48	
Vinyl chloride	ND	4.6	1	B2C1305	03/22/2022	03/22/22 18:48	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>143 %</i>	<i>66 - 200</i>	B2C1305	03/22/2022	03/22/22 18:48
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.3 %</i>	<i>50 - 146</i>	B2C1305	03/22/2022	03/22/22 18:48



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-1-9-14**

**Lab ID: 2200413-09**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	124 %	77 - 159		B2C1305	03/22/2022	03/22/22 18:48	
<i>Surrogate: Toluene-d8</i>	97.2 %	81 - 128		B2C1305	03/22/2022	03/22/22 18:48	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.94	1	B2C1434	03/29/2022	03/29/22 18:11	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.1 %	47.6 - 121.18		B2C1434	03/29/2022	03/29/22 18:11	

**Client Sample ID: 61W-23-3-1**

**Lab ID: 2200413-10**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
<b>Barium</b>	<b>69</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
<b>Beryllium</b>	<b>1.9</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
<b>Chromium</b>	<b>11</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
<b>Cobalt</b>	<b>3.4</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
<b>Copper</b>	<b>7.2</b>	2.0	1	B2C1342	03/23/2022	03/23/22 18:55	
<b>Lead</b>	<b>3.0</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
<b>Nickel</b>	<b>4.6</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
<b>Silver</b>	<b>4.1</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
<b>Vanadium</b>	<b>22</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	
<b>Zinc</b>	<b>30</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:55	





# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-23-3-5.5**  
**Lab ID: 2200413-11**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 19:05	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 19:05	
<i>Surrogate: p-Terphenyl</i>	<i>109 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 19:05</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1,1-Trichloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1,2,2-Tetrachloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1,2-Trichloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1-Dichloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1-Dichloroethene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,1-Dichloropropene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2,3-Trichloropropane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2,3-Trichlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2,4-Trichlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2,4-Trimethylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2-Dibromo-3-chloropropane	ND	8.1	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2-Dibromoethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2-Dichlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2-Dichloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,2-Dichloropropane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,3,5-Trimethylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,3-Dichlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,3-Dichloropropane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
1,4-Dichlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
2,2-Dichloropropane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
2-Chlorotoluene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
4-Chlorotoluene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
4-Isopropyltoluene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Benzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Bromobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Bromochloromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Bromodichloromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Bromoform	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Bromomethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Carbon disulfide	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-23-3-5.5**  
**Lab ID: 2200413-11**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Chlorobenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Chloroethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Chloroform	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Chloromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
cis-1,2-Dichloroethene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
cis-1,3-Dichloropropene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Di-isopropyl ether	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Dibromochloromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Dibromomethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Dichlorodifluoromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Ethyl Acetate	ND	40	1	B2C1305	03/22/2022	03/22/22 19:14	
Ethyl Ether	ND	40	1	B2C1305	03/22/2022	03/22/22 19:14	
Ethyl tert-butyl ether	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Ethylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Freon-113	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Hexachlorobutadiene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Isopropylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
m,p-Xylene	ND	8.1	1	B2C1305	03/22/2022	03/22/22 19:14	
Methylene chloride	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
MTBE	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
n-Butylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
n-Propylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Naphthalene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
o-Xylene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
sec-Butylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Styrene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
tert-Amyl methyl ether	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
tert-Butanol	ND	81	1	B2C1305	03/22/2022	03/22/22 19:14	
tert-Butylbenzene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Tetrachloroethene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Toluene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
trans-1,2-Dichloroethene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
trans-1,3-Dichloropropene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Trichloroethene	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Trichlorofluoromethane	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	
Vinyl acetate	ND	40	1	B2C1305	03/22/2022	03/22/22 19:14	
Vinyl chloride	ND	4.0	1	B2C1305	03/22/2022	03/22/22 19:14	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>151 %</i>	<i>66 - 200</i>	B2C1305	03/22/2022	<i>03/22/22 19:14</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.0 %</i>	<i>50 - 146</i>	B2C1305	03/22/2022	<i>03/22/22 19:14</i>



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: 61W-23-3-5.5**

**Lab ID: 2200413-11**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(ug/kg)	(ug/kg)				Analyzed		
<i>Surrogate: Dibromofluoromethane</i>	131 %	77 - 159		B2C1305	03/22/2022	03/22/22 19:14		
<i>Surrogate: Toluene-d8</i>	94.9 %	81 - 128		B2C1305	03/22/2022	03/22/22 19:14		

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(mg/kg)	(mg/kg)				Analyzed		
C4-C12	ND	0.80	1	B2C1434	03/29/2022	03/29/22 18:36		
<i>Surrogate: 4-Bromofluorobenzene</i>	94.4 %	47.6 - 121.18		B2C1434	03/29/2022	03/29/22 18:36		

**Client Sample ID: 61W-23-2-1**

**Lab ID: 2200413-12**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(mg/kg)	(mg/kg)				Analyzed		
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:56		
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
<b>Barium</b>	<b>84</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
<b>Beryllium</b>	<b>2.2</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
<b>Chromium</b>	<b>12</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
<b>Cobalt</b>	<b>4.2</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
<b>Copper</b>	<b>9.3</b>	2.0	1	B2C1342	03/23/2022	03/23/22 18:56		
<b>Lead</b>	<b>3.1</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
<b>Nickel</b>	<b>5.5</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
<b>Silver</b>	<b>4.7</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
<b>Vanadium</b>	<b>26</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		
<b>Zinc</b>	<b>35</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:56		



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-23-2-5.5**  
**Lab ID: 2200413-13**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 19:26	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 19:26	
<i>Surrogate: p-Terphenyl</i>	<i>110 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 19:26</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1,1-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1,2-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,1-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2,3-Trichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2-Dibromoethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,3-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,3-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
1,4-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
2,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
2-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
4-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
4-Isopropyltoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Benzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Bromobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Bromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Bromodichloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Bromoform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Bromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Carbon disulfide	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-23-2-5.5**  
**Lab ID: 2200413-13**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Chlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Chloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Chloroform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Chloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Di-isopropyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Dibromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Dibromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Dichlorodifluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Ethyl Acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 19:40	
Ethyl Ether	ND	44	1	B2C1305	03/22/2022	03/22/22 19:40	
Ethyl tert-butyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Ethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Freon-113	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Hexachlorobutadiene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Isopropylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
m,p-Xylene	ND	8.7	1	B2C1305	03/22/2022	03/22/22 19:40	
Methylene chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
MTBE	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
n-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
n-Propylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Naphthalene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
o-Xylene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
sec-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Styrene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
tert-Amyl methyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
tert-Butanol	ND	87	1	B2C1305	03/22/2022	03/22/22 19:40	
tert-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Tetrachloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Toluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Trichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Trichlorofluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Vinyl acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 19:40	
Vinyl chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 19:40	
Surrogate: 1,2-Dichloroethane-d4	148 %	66 - 200		B2C1305	03/22/2022	03/22/22 19:40	
Surrogate: 4-Bromofluorobenzene	96.0 %	50 - 146		B2C1305	03/22/2022	03/22/22 19:40	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-23-2-5.5**

**Lab ID: 2200413-13**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	130 %	77 - 159		B2C1305	03/22/2022	03/22/22 19:40	
<i>Surrogate: Toluene-d8</i>	96.2 %	81 - 128		B2C1305	03/22/2022	03/22/22 19:40	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1434	03/29/2022	03/29/22 19:00	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.6 %	47.6 - 121.18		B2C1434	03/29/2022	03/29/22 19:00	

**Client Sample ID: 61W-23-1-1**

**Lab ID: 2200413-15**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
<b>Barium</b>	<b>97</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
<b>Beryllium</b>	<b>2.5</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
<b>Chromium</b>	<b>15</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
<b>Cobalt</b>	<b>4.9</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
<b>Copper</b>	<b>18</b>	2.0	1	B2C1342	03/23/2022	03/23/22 18:58	
<b>Lead</b>	<b>31</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
<b>Nickel</b>	<b>6.4</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
<b>Silver</b>	<b>5.6</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
<b>Vanadium</b>	<b>31</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	
<b>Zinc</b>	<b>46</b>	1.0	1	B2C1342	03/23/2022	03/23/22 18:58	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-23-1-5.5**

**Lab ID: 2200413-16**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/24/22 19:47	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/24/22 19:47	
<i>Surrogate: p-Terphenyl</i>	<i>108 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/24/22 19:47</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1,1-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1,2-Trichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,1-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2,3-Trichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2-Dibromoethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2-Dichloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,3-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,3-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
1,4-Dichlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
2,2-Dichloropropane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
2-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
4-Chlorotoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
4-Isopropyltoluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Benzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Bromobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Bromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Bromodichloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Bromoform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Bromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Carbon disulfide	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-23-1-5.5**  
**Lab ID: 2200413-16**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Chlorobenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Chloroethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Chloroform	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Chloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Di-isopropyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Dibromochloromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Dibromomethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Dichlorodifluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Ethyl Acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 20:06	
Ethyl Ether	ND	44	1	B2C1305	03/22/2022	03/22/22 20:06	
Ethyl tert-butyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Ethylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Freon-113	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Hexachlorobutadiene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Isopropylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
m,p-Xylene	ND	8.7	1	B2C1305	03/22/2022	03/22/22 20:06	
Methylene chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
MTBE	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
n-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
n-Propylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Naphthalene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
o-Xylene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
sec-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Styrene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
tert-Amyl methyl ether	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
tert-Butanol	ND	87	1	B2C1305	03/22/2022	03/22/22 20:06	
tert-Butylbenzene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Tetrachloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Toluene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Trichloroethene	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Trichlorofluoromethane	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Vinyl acetate	ND	44	1	B2C1305	03/22/2022	03/22/22 20:06	
Vinyl chloride	ND	4.4	1	B2C1305	03/22/2022	03/22/22 20:06	
Surrogate: 1,2-Dichloroethane-d4	144 %	66 - 200		B2C1305	03/22/2022	03/22/22 20:06	
Surrogate: 4-Bromofluorobenzene	91.4 %	50 - 146		B2C1305	03/22/2022	03/22/22 20:06	





# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-23-1-5.5**

**Lab ID: 2200413-16**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	125 %	77 - 159		B2C1305	03/22/2022	03/22/22 20:06	
<i>Surrogate: Toluene-d8</i>	93.9 %	81 - 128		B2C1305	03/22/2022	03/22/22 20:06	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1434	03/29/2022	03/29/22 19:25	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.1 %	47.6 - 121.18		B2C1434	03/29/2022	03/29/22 19:25	

**Client Sample ID: 61W-8-1-1**

**Lab ID: 2200413-17**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Arsenic	ND	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
<b>Barium</b>	<b>100</b>	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
<b>Beryllium</b>	<b>2.7</b>	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Cadmium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
<b>Chromium</b>	<b>20</b>	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
<b>Cobalt</b>	<b>5.1</b>	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
<b>Copper</b>	<b>11</b>	2.0	1	B2C1342	03/23/2022	03/23/22 19:03	
<b>Lead</b>	<b>2.6</b>	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Molybdenum	ND	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
<b>Nickel</b>	<b>6.5</b>	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Selenium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
<b>Silver</b>	<b>6.0</b>	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
Thallium	ND	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
<b>Vanadium</b>	<b>29</b>	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	
<b>Zinc</b>	<b>37</b>	1.0	1	B2C1342	03/23/2022	03/23/22 19:03	



# Certificate of Analysis

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Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-8-1-5.5**

**Lab ID: 2200413-18**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: EB**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1311	03/22/2022	03/28/22 21:13	
C23-C32	ND	10	1	B2C1311	03/22/2022	03/28/22 21:13	
<i>Surrogate: p-Terphenyl</i>	<i>93.5 %</i>	<i>62 - 141</i>		B2C1311	03/22/2022	<i>03/28/22 21:13</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1,1-Trichloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1,2,2-Tetrachloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1,2-Trichloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1-Dichloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1-Dichloroethene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,1-Dichloropropene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2,3-Trichloropropane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2,3-Trichlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2,4-Trichlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2,4-Trimethylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2-Dibromoethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2-Dichlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2-Dichloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,2-Dichloropropane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,3,5-Trimethylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,3-Dichlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,3-Dichloropropane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
1,4-Dichlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
2,2-Dichloropropane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
2-Chlorotoluene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
4-Chlorotoluene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
4-Isopropyltoluene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Benzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Bromobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Bromochloromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Bromodichloromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Bromoform	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Bromomethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Carbon disulfide	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	



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**Client Sample ID: 61W-8-1-5.5**  
**Lab ID: 2200413-18**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Chlorobenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Chloroethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Chloroform	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Chloromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
cis-1,2-Dichloroethene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
cis-1,3-Dichloropropene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Di-isopropyl ether	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Dibromochloromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Dibromomethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Dichlorodifluoromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Ethyl Acetate	ND	36	1	B2C1305	03/22/2022	03/22/22 20:32	
Ethyl Ether	ND	36	1	B2C1305	03/22/2022	03/22/22 20:32	
Ethyl tert-butyl ether	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Ethylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Freon-113	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Hexachlorobutadiene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Isopropylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
m,p-Xylene	ND	7.3	1	B2C1305	03/22/2022	03/22/22 20:32	
Methylene chloride	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
MTBE	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
n-Butylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
n-Propylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Naphthalene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
o-Xylene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
sec-Butylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Styrene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
tert-Amyl methyl ether	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
tert-Butanol	ND	73	1	B2C1305	03/22/2022	03/22/22 20:32	
tert-Butylbenzene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Tetrachloroethene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Toluene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
trans-1,2-Dichloroethene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
trans-1,3-Dichloropropene	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
<b>Trichloroethene</b>	<b>6.8</b>	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Trichlorofluoromethane	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	
Vinyl acetate	ND	36	1	B2C1305	03/22/2022	03/22/22 20:32	
Vinyl chloride	ND	3.6	1	B2C1305	03/22/2022	03/22/22 20:32	

Surrogate: 1,2-Dichloroethane-d4      156 %      66 - 200      B2C1305      03/22/2022      03/22/22 20:32  
 Surrogate: 4-Bromofluorobenzene      93.6 %      50 - 146      B2C1305      03/22/2022      03/22/22 20:32



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-8-1-5.5**  
**Lab ID: 2200413-18**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	131 %	77 - 159		B2C1305	03/22/2022	03/22/22 20:32	
<i>Surrogate: Toluene-d8</i>	96.9 %	81 - 128		B2C1305	03/22/2022	03/22/22 20:32	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.71	1	B2C1434	03/29/2022	03/29/22 19:49	
<i>Surrogate: 4-Bromofluorobenzene</i>	96.6 %	47.6 - 121.18		B2C1434	03/29/2022	03/29/22 19:49	



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### QUALITY CONTROL SECTION

#### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1309 - MSSEMI\_S**

**Blank (B2C1309-BLK1)**

Prepared: 3/22/2022 Analyzed: 3/22/2022

2-Methylnaphthalene	ND	5.0	0.60						
Acenaphthene	ND	5.0	0.41						
Acenaphthylene	ND	5.0	0.41						
Anthracene	ND	5.0	0.56						
Benzo(a)anthracene	ND	5.0	0.56						
Benzo(a)pyrene	ND	5.0	0.69						
Benzo(b)fluoranthene	ND	5.0	2.2						
Benzo(g,h,i)perylene	ND	5.0	0.80						
Benzo(k)fluoranthene	ND	5.0	0.70						
Chrysene	ND	5.0	0.61						
Dibenz(a,h)anthracene	ND	5.0	0.88						
Fluoranthene	ND	5.0	0.45						
Fluorene	ND	5.0	0.35						
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82						
Naphthalene	ND	5.0	0.56						
Phenanthrene	ND	5.0	0.34						
Pyrene	ND	5.0	0.51						

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	23.02			66.6667	34.5	12 - 125			
<i>Surrogate: 2-Fluorobiphenyl</i>	41.13			66.6667	61.7	14 - 139			
<i>Surrogate: Nitrobenzene-d5</i>	23.97			66.6667	36.0	8 - 155			
<i>Surrogate: 4-Terphenyl-d14</i>	62.16			66.6667	93.2	16 - 152			

**LCS (B2C1309-BS1)**

Prepared: 3/22/2022 Analyzed: 3/22/2022

2-Methylnaphthalene	34.6400	5.0	0.60	66.6667	52.0	39 - 92			
Acenaphthene	39.2980	5.0	0.41	66.6667	58.9	35 - 94			
Acenaphthylene	41.2333	5.0	0.41	66.6667	61.8	31 - 101			
Anthracene	42.0100	5.0	0.56	66.6667	63.0	37 - 95			
Benzo(a)anthracene	65.4147	5.0	0.56	66.6667	98.1	43 - 102			
Benzo(a)pyrene	65.4880	5.0	0.69	66.6667	98.2	38 - 95			L3
Benzo(b)fluoranthene	72.7647	5.0	2.2	66.6667	109	44 - 102			L3
Benzo(g,h,i)perylene	40.3527	5.0	0.80	66.6667	60.5	34 - 114			
Benzo(k)fluoranthene	73.8320	5.0	0.70	66.6667	111	34 - 110			L3
Chrysene	65.5840	5.0	0.61	66.6667	98.4	46 - 101			
Dibenz(a,h)anthracene	47.2953	5.0	0.88	66.6667	70.9	35 - 117			
Fluoranthene	51.2020	5.0	0.45	66.6667	76.8	46 - 107			
Fluorene	39.6313	5.0	0.35	66.6667	59.4	35 - 98			
Indeno(1,2,3-cd)pyrene	45.1853	5.0	0.82	66.6667	67.8	35 - 114			
Naphthalene	35.2627	5.0	0.56	66.6667	52.9	39 - 86			
Phenanthrene	42.7253	5.0	0.34	66.6667	64.1	43 - 98			
Pyrene	52.8307	5.0	0.51	66.6667	79.2	44 - 108			

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	38.25			66.6667	57.4	12 - 125			
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Project Number : Ontario Airport / 5925  
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Reported : 05/12/2022

### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1309 - MSSEMI\_S (continued)**

**LCS (B2C1309-BS1) - Continued**

Prepared: 3/22/2022 Analyzed: 3/22/2022

Surrogate: 2-Fluorobiphenyl	47.56		66.6667	71.3	14 - 139
Surrogate: Nitrobenzene-d5	35.80		66.6667	53.7	8 - 155
Surrogate: 4-Terphenyl-d14	66.23		66.6667	99.3	16 - 152

**Matrix Spike (B2C1309-MS1)**

**Source: 2200407-18**

Prepared: 3/22/2022 Analyzed: 3/23/2022

2-Methylnaphthalene	37.3033	5.0	0.60	66.6667	1.56000	53.6	43 - 120
Acenaphthene	43.0480	5.0	0.41	66.6667	1.95733	61.6	52 - 113
Acenaphthylene	44.7847	5.0	0.41	66.6667	1.46333	65.0	44 - 126
Anthracene	48.9847	5.0	0.56	66.6667	ND	73.5	49 - 128
Benzo(a)anthracene	68.3047	5.0	0.56	66.6667	ND	102	32 - 158
Benzo(a)pyrene	68.4733	5.0	0.69	66.6667	ND	103	39 - 137
Benzo(b)fluoranthene	75.2367	5.0	2.2	66.6667	ND	113	52 - 132
Benzo(g,h,i)perylene	40.4507	5.0	0.80	66.6667	ND	60.7	35 - 162
Benzo(k)fluoranthene	73.8920	5.0	0.70	66.6667	ND	111	18 - 153
Chrysene	67.5893	5.0	0.61	66.6667	ND	101	25 - 160
Dibenz(a,h)anthracene	47.5293	5.0	0.88	66.6667	ND	71.3	41 - 155
Fluoranthene	60.3413	5.0	0.45	66.6667	0.693333	89.5	5 - 185
Fluorene	44.2053	5.0	0.35	66.6667	1.19733	64.5	28 - 135
Indeno(1,2,3-cd)pyrene	45.4100	5.0	0.82	66.6667	ND	68.1	36 - 162
Naphthalene	37.4000	5.0	0.56	66.6667	1.51467	53.8	41 - 113
Phenanthrene	49.7253	5.0	0.34	66.6667	1.27933	72.7	35 - 143
Pyrene	60.1367	5.0	0.51	66.6667	ND	90.2	10 - 184

Surrogate: 1,2-Dichlorobenzene-d4	39.29		66.6667	58.9	12 - 125
Surrogate: 2-Fluorobiphenyl	49.03		66.6667	73.5	14 - 139
Surrogate: Nitrobenzene-d5	37.54		66.6667	56.3	8 - 155
Surrogate: 4-Terphenyl-d14	69.18		66.6667	104	16 - 152

**Matrix Spike Dup (B2C1309-MSD1)**

**Source: 2200407-18**

Prepared: 3/22/2022 Analyzed: 3/23/2022

2-Methylnaphthalene	37.9460	5.0	0.60	66.6667	1.56000	54.6	43 - 120	1.71	20
Acenaphthene	43.2967	5.0	0.41	66.6667	1.95733	62.0	52 - 113	0.576	20
Acenaphthylene	44.9573	5.0	0.41	66.6667	1.46333	65.2	44 - 126	0.385	20
Anthracene	49.4680	5.0	0.56	66.6667	ND	74.2	49 - 128	0.982	20
Benzo(a)anthracene	66.4787	5.0	0.56	66.6667	ND	99.7	32 - 158	2.71	20
Benzo(a)pyrene	66.9093	5.0	0.69	66.6667	ND	100	39 - 137	2.31	20
Benzo(b)fluoranthene	73.4760	5.0	2.2	66.6667	ND	110	52 - 132	2.37	20
Benzo(g,h,i)perylene	39.6160	5.0	0.80	66.6667	ND	59.4	35 - 162	2.08	20
Benzo(k)fluoranthene	74.1287	5.0	0.70	66.6667	ND	111	18 - 153	0.320	20
Chrysene	66.4760	5.0	0.61	66.6667	ND	99.7	25 - 160	1.66	20
Dibenz(a,h)anthracene	46.6153	5.0	0.88	66.6667	ND	69.9	41 - 155	1.94	20
Fluoranthene	59.7280	5.0	0.45	66.6667	0.693333	88.6	5 - 185	1.02	20
Fluorene	44.8820	5.0	0.35	66.6667	1.19733	65.5	28 - 135	1.52	20
Indeno(1,2,3-cd)pyrene	44.5407	5.0	0.82	66.6667	ND	66.8	36 - 162	1.93	20
Naphthalene	38.0700	5.0	0.56	66.6667	1.51467	54.8	41 - 113	1.78	20
Phenanthrene	50.3793	5.0	0.34	66.6667	1.27933	73.6	35 - 143	1.31	20
Pyrene	60.0547	5.0	0.51	66.6667	ND	90.1	10 - 184	0.136	20



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### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1309 - MSSEMI\_S (continued)**

**Matrix Spike Dup (B2C1309-MSD1) - Continued**

**Source: 2200407-18**

Prepared: 3/22/2022 Analyzed: 3/23/2022

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	39.32		66.6667		59.0	12 - 125
<i>Surrogate: 2-Fluorobiphenyl</i>	48.81		66.6667		73.2	14 - 139
<i>Surrogate: Nitrobenzene-d5</i>	37.53		66.6667		56.3	8 - 155
<i>Surrogate: 4-Terphenyl-d14</i>	66.83		66.6667		100	16 - 152



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### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	Limit	Notes
<b>Batch B2C1434 - GCVOA_S</b>									
<b>Blank (B2C1434-BLK1)</b>					Prepared: 3/29/2022 Analyzed: 3/29/2022				
C4-C12	ND	1.0	0.13						
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6571</i>			<i>0.800000</i>		<i>82.1</i>	<i>47.6 - 121.18</i>		
<b>LCS (B2C1434-BS1)</b>					Prepared: 3/29/2022 Analyzed: 3/29/2022				
Gasoline Range Organics	5.24200	1.0	0.13	5.00000		105	68.69 - 124.04		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6984</i>			<i>0.800000</i>		<i>87.3</i>	<i>47.6 - 121.18</i>		
<b>LCS Dup (B2C1434-BSD1)</b>					Prepared: 3/29/2022 Analyzed: 3/29/2022				
Gasoline Range Organics	5.24000	1.0	0.13	5.00000		105	68.69 - 124.04	0.0382	20
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7150</i>			<i>0.800000</i>		<i>89.4</i>	<i>47.6 - 121.18</i>		





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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1342 - EPA 3050B\_S**

**Blank (B2C1342-BLK1)**

Prepared: 3/23/2022 Analyzed: 3/23/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

**LCS (B2C1342-BS1)**

Prepared: 3/23/2022 Analyzed: 3/24/2022

Antimony	23.6603	2.0	0.51	25.0000	94.6	80 - 120
Arsenic	24.0117	1.0	0.12	25.0000	96.0	80 - 120
Barium	24.5940	1.0	0.12	25.0000	98.4	80 - 120
Beryllium	24.9457	1.0	0.03	25.0100	99.7	80 - 120
Cadmium	25.0376	1.0	0.14	25.0000	100	80 - 120
Chromium	24.8592	1.0	0.26	25.0000	99.4	80 - 120
Cobalt	23.8788	1.0	0.07	25.0000	95.5	80 - 120
Copper	26.6452	2.0	0.19	25.0000	107	80 - 120
Lead	26.8432	1.0	0.18	25.0000	107	80 - 120
Molybdenum	24.7455	1.0	0.12	25.0000	99.0	80 - 120
Nickel	24.7934	1.0	0.18	25.0000	99.2	80 - 120
Selenium	24.8856	1.0	0.40	25.0000	99.5	80 - 120
Silver	12.5268	1.0	0.12	12.5000	100	80 - 120
Thallium	24.5807	1.0	0.38	25.0000	98.3	80 - 120
Vanadium	23.6331	1.0	0.06	25.0000	94.5	80 - 120
Zinc	29.9694	1.0	0.15	25.0000	120	80 - 120

**Matrix Spike (B2C1342-MS1)**

**Source: 2200413-01**

Prepared: 3/23/2022 Analyzed: 3/23/2022

Antimony	11.0254	2.0	0.51	25.0000	ND	44.1	0 - 102
Arsenic	19.2824	1.0	0.12	25.0000	ND	77.1	55 - 117
Barium	102.082	1.0	0.12	25.0000	72.0139	120	11 - 177
Beryllium	20.3127	1.0	0.03	25.0100	2.09645	72.8	64 - 115
Cadmium	19.7746	1.0	0.14	25.0000	0.336534	77.8	62 - 116
Chromium	31.3835	1.0	0.26	25.0000	11.6163	79.1	42 - 145
Cobalt	23.2844	1.0	0.07	25.0000	4.03393	77.0	60 - 126
Copper	29.9918	2.0	0.19	25.0000	7.77062	88.9	37 - 163
Lead	24.5758	1.0	0.18	25.0000	3.74752	83.3	26 - 161



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1342 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1342-MS1) - Continued**

**Source: 2200413-01**

Prepared: 3/23/2022 Analyzed: 3/23/2022

Molybdenum	18.3930	1.0	0.12	25.0000	ND	73.6	31 - 122			
Nickel	25.2617	1.0	0.18	25.0000	5.29591	79.9	52 - 130			
Selenium	20.3785	1.0	0.40	25.0000	0.532898	79.4	25 - 129			
Silver	15.0329	1.0	0.12	12.5000	4.55442	83.8	48 - 133			
Thallium	18.2586	1.0	0.38	25.0000	ND	73.0	25 - 119			
Vanadium	46.3092	1.0	0.06	25.0000	24.9263	85.5	51 - 141			
Zinc	53.1804	1.0	0.15	25.0000	33.1907	80.0	8 - 170			

**Matrix Spike Dup (B2C1342-MSD1)**

**Source: 2200413-01**

Prepared: 3/23/2022 Analyzed: 3/23/2022

Antimony	10.6216	2.0	0.51	25.0000	ND	42.5	0 - 102	3.73	20	
Arsenic	19.2890	1.0	0.12	25.0000	ND	77.2	55 - 117	0.0342	20	
Barium	101.949	1.0	0.12	25.0000	72.0139	120	11 - 177	0.130	20	
Beryllium	20.7435	1.0	0.03	25.0100	2.09645	74.6	64 - 115	2.10	20	
Cadmium	19.8548	1.0	0.14	25.0000	0.336534	78.1	62 - 116	0.405	20	
Chromium	31.5691	1.0	0.26	25.0000	11.6163	79.8	42 - 145	0.590	20	
Cobalt	23.6197	1.0	0.07	25.0000	4.03393	78.3	60 - 126	1.43	20	
Copper	29.1902	2.0	0.19	25.0000	7.77062	85.7	37 - 163	2.71	20	
Lead	25.3401	1.0	0.18	25.0000	3.74752	86.4	26 - 161	3.06	20	
Molybdenum	18.4694	1.0	0.12	25.0000	ND	73.9	31 - 122	0.414	20	
Nickel	25.6691	1.0	0.18	25.0000	5.29591	81.5	52 - 130	1.60	20	
Selenium	21.1925	1.0	0.40	25.0000	0.532898	82.6	25 - 129	3.92	20	
Silver	15.1351	1.0	0.12	12.5000	4.55442	84.6	48 - 133	0.678	20	
Thallium	18.5225	1.0	0.38	25.0000	ND	74.1	25 - 119	1.43	20	
Vanadium	45.1164	1.0	0.06	25.0000	24.9263	80.8	51 - 141	2.61	20	
Zinc	51.8977	1.0	0.15	25.0000	33.1907	74.8	8 - 170	2.44	20	



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### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1319 - EPA 7471_S</b>										
<b>Blank (B2C1319-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 3/22/2022 Analyzed: 3/24/2022
<b>LCS (B2C1319-BS1)</b>										
Mercury	0.424224	0.10	0.01	0.416667		102	80 - 120			Prepared: 3/22/2022 Analyzed: 3/24/2022
<b>Matrix Spike (B2C1319-MS1)</b>										
Mercury	0.471494	0.10	0.01	0.416667	0.104392	88.1	70 - 130			Source: 2200413-01 Prepared: 3/22/2022 Analyzed: 3/24/2022
<b>Matrix Spike Dup (B2C1319-MSD1)</b>										
Mercury	0.481463	0.10	0.01	0.416667	0.104392	90.5	70 - 130	2.09	20	Source: 2200413-01 Prepared: 3/22/2022 Analyzed: 3/24/2022



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1319 - EPA 7471\_S**

**Post Spike (B2C1319-PS1)**

**Source: 2200413-01**

Prepared: 3/22/2022 Analyzed: 3/24/2022

Mercury	5.7439E-3		5.00000E-3	0.001253	89.8	85 - 115			
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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1311 - GCSEMI_DRO_S</b>										
<b>Blank (B2C1311-BLK1)</b>					Prepared: 3/22/2022 Analyzed: 3/24/2022					
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<i>Surrogate: p-Terphenyl</i>	80.58			80.0000		101	62 - 141			
<b>Blank (B2C1311-BLK2)</b>					Prepared: 3/22/2022 Analyzed: 3/28/2022					
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<i>Surrogate: p-Terphenyl</i>	81.20			80.0000		101	62 - 141			
<b>LCS (B2C1311-BS1)</b>					Prepared: 3/22/2022 Analyzed: 3/24/2022					
DRO	973.371	10	3.6	1000.00		97.3	56 - 139			
<i>Surrogate: p-Terphenyl</i>	82.26			80.0000		103	62 - 141			
<b>LCS (B2C1311-BS2)</b>					Prepared: 3/22/2022 Analyzed: 3/28/2022					
DRO	991.910	10	3.6	1000.00		99.2	56 - 139			
<i>Surrogate: p-Terphenyl</i>	82.60			80.0000		103	62 - 141			
<b>Matrix Spike (B2C1311-MS1)</b>					Source: 2200407-02 Prepared: 3/22/2022 Analyzed: 3/24/2022					
DRO	949.550	10	3.6	1000.00	15.2290	93.4	38 - 161			
<i>Surrogate: p-Terphenyl</i>	80.40			80.0000		100	62 - 141			
<b>Matrix Spike Dup (B2C1311-MSD1)</b>					Source: 2200407-02 Prepared: 3/22/2022 Analyzed: 3/24/2022					
DRO	950.311	10	3.6	1000.00	15.2290	93.5	38 - 161	0.0801	20	
<i>Surrogate: p-Terphenyl</i>	80.53			80.0000		101	62 - 141			



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### Organochlorine Pesticides by EPA 8081A - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1295 - GCSEMI\_PCB/PEST\_S**

**Blank (B2C1295-BLK1)**

Prepared: 3/21/2022 Analyzed: 3/23/2022

4,4'-DDD	ND	2.0	0.08						
4,4'-DDD [2C]	ND	2.0	0.08						
4,4'-DDE	ND	2.0	0.09						
4,4'-DDE [2C]	ND	2.0	0.09						
4,4'-DDT	ND	2.0	0.10						
4,4'-DDT [2C]	ND	2.0	0.10						
Aldrin	ND	1.0	0.09						
Aldrin [2C]	ND	1.0	0.09						
alpha-BHC	ND	1.0	0.11						
alpha-BHC [2C]	ND	1.0	0.11						
alpha-Chlordane	ND	1.0	0.10						
alpha-Chlordane [2C]	ND	1.0	0.10						
beta-BHC	ND	1.0	0.15						
beta-BHC [2C]	ND	1.0	0.15						
Chlordane	ND	8.5	1.1						
Chlordane [2C]	ND	8.5	1.1						
delta-BHC	ND	1.0	0.11						
delta-BHC [2C]	ND	1.0	0.11						
Dieldrin	ND	2.0	0.09						
Dieldrin [2C]	ND	2.0	0.09						
Endosulfan I	ND	1.0	0.09						
Endosulfan I [2C]	ND	1.0	0.09						
Endosulfan II	ND	2.0	0.09						
Endosulfan II [2C]	ND	2.0	0.09						
Endosulfan sulfate	ND	2.0	0.11						
Endosulfan Sulfate [2C]	ND	2.0	0.11						
Endrin	ND	2.0	0.07						
Endrin [2C]	ND	2.0	0.07						
Endrin aldehyde	ND	2.0	0.18						
Endrin aldehyde [2C]	ND	2.0	0.18						
Endrin ketone	ND	2.0	0.06						
Endrin ketone [2C]	ND	2.0	0.06						
gamma-BHC	ND	1.0	0.12						
gamma-BHC [2C]	ND	1.0	0.12						
gamma-Chlordane	ND	1.0	0.11						
gamma-Chlordane [2C]	ND	1.0	0.11						
Heptachlor	ND	1.0	0.10						
Heptachlor [2C]	ND	1.0	0.10						
Heptachlor epoxide	ND	1.0	0.09						
Heptachlor epoxide [2C]	ND	1.0	0.09						
Methoxychlor	ND	5.0	0.14						
Methoxychlor [2C]	ND	5.0	0.14						
Toxaphene	ND	50	3.6						
Toxaphene [2C]	ND	50	3.6						



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### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1295 - GCSEMI\_PCB/PEST\_S (continued)**

**Blank (B2C1295-BLK1) - Continued**

Prepared: 3/21/2022 Analyzed: 3/23/2022

Surrogate: Decachlorobiphenyl	10.54		16.6667		63.2	0 - 97			
Surrogate: Decachlorobiphenyl [2C]	7.771		16.6667		46.6	0 - 89			
Surrogate: Tetrachloro-m-xylene	10.25		16.6667		61.5	3 - 78			
Surrogate: Tetrachloro-m-xylene [2C]	9.560		16.6667		57.4	6 - 76			

**LCS (B2C1295-BS1)**

Prepared: 3/21/2022 Analyzed: 3/23/2022

4,4'-DDD	11.8365	2.0	0.08	16.6667	71.0	35 - 94			
4,4'-DDD [2C]	10.8715	2.0	0.08	16.6667	65.2	38 - 85			
4,4'-DDE	11.7038	2.0	0.09	16.6667	70.2	27 - 81			
4,4'-DDE [2C]	11.3105	2.0	0.09	16.6667	67.9	32 - 84			
4,4'-DDT	12.2012	2.0	0.10	16.6667	73.2	22 - 87			
4,4'-DDT [2C]	10.0260	2.0	0.10	16.6667	60.2	23 - 91			
Aldrin	10.6475	1.0	0.09	16.6667	63.9	23 - 75			
Aldrin [2C]	10.1770	1.0	0.09	16.6667	61.1	25 - 79			
alpha-BHC	11.8978	1.0	0.11	16.6667	71.4	23 - 77			
alpha-BHC [2C]	10.6442	1.0	0.11	16.6667	63.9	39 - 92			
alpha-Chlordane	11.9500	1.0	0.10	16.6667	71.7	30 - 85			
alpha-Chlordane [2C]	11.6290	1.0	0.10	16.6667	69.8	33 - 91			
beta-BHC	10.7728	1.0	0.15	16.6667	64.6	29 - 77			
beta-BHC [2C]	10.5593	1.0	0.15	16.6667	63.4	30 - 80			
delta-BHC	12.9270	1.0	0.11	16.6667	77.6	30 - 85			
delta-BHC [2C]	11.3653	1.0	0.11	16.6667	68.2	33 - 92			
Dieldrin	10.7142	2.0	0.09	16.6667	64.3	31 - 80			
Dieldrin [2C]	10.6010	2.0	0.09	16.6667	63.6	33 - 82			
Endosulfan I	10.5913	1.0	0.09	16.6667	63.5	27 - 74			
Endosulfan I [2C]	9.06633	1.0	0.09	16.6667	54.4	30 - 79			
Endosulfan II	11.5405	2.0	0.09	16.6667	69.2	37 - 86			
Endosulfan II [2C]	11.0128	2.0	0.09	16.6667	66.1	38 - 86			
Endosulfan sulfate	10.6172	2.0	0.11	16.6667	63.7	32 - 80			
Endosulfan Sulfate [2C]	10.3783	2.0	0.11	16.6667	62.3	32 - 87			
Endrin	12.0328	2.0	0.07	16.6667	72.2	35 - 92			
Endrin [2C]	11.7478	2.0	0.07	16.6667	70.5	39 - 98			
Endrin aldehyde	11.3615	2.0	0.18	16.6667	68.2	29 - 82			
Endrin aldehyde [2C]	10.7833	2.0	0.18	16.6667	64.7	30 - 91			
Endrin ketone	10.2470	2.0	0.06	16.6667	61.5	30 - 85			
Endrin ketone [2C]	10.1822	2.0	0.06	16.6667	61.1	32 - 84			
gamma-BHC	11.7065	1.0	0.12	16.6667	70.2	25 - 81			
gamma-BHC [2C]	11.1767	1.0	0.12	16.6667	67.1	26 - 83			
gamma-Chlordane	9.43517	1.0	0.11	16.6667	56.6	30 - 77			
gamma-Chlordane [2C]	10.0662	1.0	0.11	16.6667	60.4	32 - 79			
Heptachlor	10.7985	1.0	0.10	16.6667	64.8	23 - 85			
Heptachlor [2C]	10.6503	1.0	0.10	16.6667	63.9	28 - 84			
Heptachlor epoxide	10.8555	1.0	0.09	16.6667	65.1	26 - 76			
Heptachlor epoxide [2C]	10.1810	1.0	0.09	16.6667	61.1	29 - 80			
Methoxychlor	12.8933	5.0	0.14	16.6667	77.4	27 - 93			



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### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1295 - GCSEMI\_PCB/PEST\_S (continued)**

**LCS (B2C1295-BS1) - Continued**

Prepared: 3/21/2022 Analyzed: 3/23/2022

Methoxychlor [2C]	12.1368	5.0	0.14	16.6667		72.8	27 - 98			
<i>Surrogate: Decachlorobiphenyl</i>	<i>10.69</i>			<i>16.6667</i>		<i>64.1</i>	<i>0 - 97</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>7.856</i>			<i>16.6667</i>		<i>47.1</i>	<i>0 - 89</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>10.50</i>			<i>16.6667</i>		<i>63.0</i>	<i>3 - 78</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>9.785</i>			<i>16.6667</i>		<i>58.7</i>	<i>6 - 76</i>			

**Matrix Spike (B2C1295-MS1)**

**Source: 2200309-01**

Prepared: 3/21/2022 Analyzed: 3/23/2022

4,4'-DDD	10.2100	2.0	0.08	16.6667	ND	61.3	13 - 84			
4,4'-DDD [2C]	9.92583	2.0	0.08	16.6667	ND	59.6	9 - 91			
4,4'-DDE	10.1852	2.0	0.09	16.6667	ND	61.1	0 - 115			
4,4'-DDE [2C]	10.0833	2.0	0.09	16.6667	ND	60.5	0 - 142			
4,4'-DDT	10.2277	2.0	0.10	16.6667	ND	61.4	0 - 116			
4,4'-DDT [2C]	9.02483	2.0	0.10	16.6667	ND	54.1	0 - 112			
Aldrin	8.92567	1.0	0.09	16.6667	ND	53.6	5 - 80			
Aldrin [2C]	8.71900	1.0	0.09	16.6667	ND	52.3	4 - 86			
alpha-BHC	9.48400	1.0	0.11	16.6667	ND	56.9	10 - 76			
alpha-BHC [2C]	9.03933	1.0	0.11	16.6667	ND	54.2	8 - 86			
alpha-Chlordane	10.3342	1.0	0.10	16.6667	ND	62.0	6 - 92			
alpha-Chlordane [2C]	10.2622	1.0	0.10	16.6667	ND	61.6	1 - 112			
beta-BHC	9.38717	1.0	0.15	16.6667	ND	56.3	14 - 72			
beta-BHC [2C]	9.52950	1.0	0.15	16.6667	ND	57.2	16 - 76			
delta-BHC	11.0965	1.0	0.11	16.6667	ND	66.6	14 - 76			
delta-BHC [2C]	9.93600	1.0	0.11	16.6667	ND	59.6	12 - 86			
Dieldrin	9.56183	2.0	0.09	16.6667	ND	57.4	0 - 122			
Dieldrin [2C]	9.38400	2.0	0.09	16.6667	ND	56.3	0 - 110			
Endosulfan I	9.09517	1.0	0.09	16.6667	ND	54.6	6 - 80			
Endosulfan I [2C]	8.06533	1.0	0.09	16.6667	ND	48.4	0 - 96			
Endosulfan II	9.69717	2.0	0.09	16.6667	ND	58.2	17 - 82			
Endosulfan II [2C]	9.76383	2.0	0.09	16.6667	ND	58.6	6 - 98			
Endosulfan sulfate	8.68067	2.0	0.11	16.6667	ND	52.1	9 - 78			
Endosulfan Sulfate [2C]	9.07900	2.0	0.11	16.6667	ND	54.5	14 - 75			
Endrin	10.4022	2.0	0.07	16.6667	ND	62.4	6 - 111			
Endrin [2C]	10.3450	2.0	0.07	16.6667	ND	62.1	21 - 94			
Endrin aldehyde	9.89950	2.0	0.18	16.6667	ND	59.4	0 - 121			
Endrin aldehyde [2C]	9.04567	2.0	0.18	16.6667	ND	54.3	9 - 87			
Endrin ketone	9.09650	2.0	0.06	16.6667	ND	54.6	8 - 78			
Endrin ketone [2C]	8.95117	2.0	0.06	16.6667	ND	53.7	10 - 84			
gamma-BHC	9.99683	1.0	0.12	16.6667	ND	60.0	14 - 81			
gamma-BHC [2C]	9.60067	1.0	0.12	16.6667	ND	57.6	13 - 84			
gamma-Chlordane	8.58000	1.0	0.11	16.6667	ND	51.5	12 - 79			
gamma-Chlordane [2C]	8.84650	1.0	0.11	16.6667	ND	53.1	11 - 82			
Heptachlor	9.21400	1.0	0.10	16.6667	ND	55.3	3 - 92			
Heptachlor [2C]	8.97817	1.0	0.10	16.6667	ND	53.9	15 - 81			
Heptachlor epoxide	9.13333	1.0	0.09	16.6667	ND	54.8	11 - 75			
Heptachlor epoxide [2C]	9.00533	1.0	0.09	16.6667	ND	54.0	16 - 76			





## Certificate of Analysis

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Irvine , CA 92612

Reported : 05/12/2022

### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B2C1295 - GCSEMI\_PCB/PEST\_S (continued)

##### Matrix Spike (B2C1295-MS1) - Continued

Source: 2200309-01

Prepared: 3/21/2022 Analyzed: 3/23/2022

Methoxychlor	11.5698	5.0	0.14	16.6667	ND	69.4	0 - 101			
Methoxychlor [2C]	10.8232	5.0	0.14	16.6667	ND	64.9	0 - 110			

<i>Surrogate: Decachlorobiphenyl</i>	9.322			16.6667		55.9	0 - 97			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	6.918			16.6667		41.5	0 - 89			
<i>Surrogate: Tetrachloro-m-xylene</i>	8.474			16.6667		50.8	3 - 78			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	8.477			16.6667		50.9	6 - 76			

##### Matrix Spike Dup (B2C1295-MSD1)

Source: 2200309-01

Prepared: 3/21/2022 Analyzed: 3/23/2022

4,4'-DDD	10.5255	2.0	0.08	16.6667	ND	63.2	13 - 84	3.04	20	
4,4'-DDD [2C]	10.4268	2.0	0.08	16.6667	ND	62.6	9 - 91	4.92	20	
4,4'-DDE	10.5578	2.0	0.09	16.6667	ND	63.3	0 - 115	3.59	20	
4,4'-DDE [2C]	10.5800	2.0	0.09	16.6667	ND	63.5	0 - 142	4.81	20	
4,4'-DDT	10.5145	2.0	0.10	16.6667	ND	63.1	0 - 116	2.77	20	
4,4'-DDT [2C]	9.68450	2.0	0.10	16.6667	ND	58.1	0 - 112	7.05	20	
Aldrin	9.24717	1.0	0.09	16.6667	ND	55.5	5 - 80	3.54	20	
Aldrin [2C]	9.14950	1.0	0.09	16.6667	ND	54.9	4 - 86	4.82	20	
alpha-BHC	9.80133	1.0	0.11	16.6667	ND	58.8	10 - 76	3.29	20	
alpha-BHC [2C]	9.62050	1.0	0.11	16.6667	ND	57.7	8 - 86	6.23	20	
alpha-Chlordane	10.7448	1.0	0.10	16.6667	ND	64.5	6 - 92	3.90	20	
alpha-Chlordane [2C]	10.7870	1.0	0.10	16.6667	ND	64.7	1 - 112	4.99	20	
beta-BHC	9.78783	1.0	0.15	16.6667	ND	58.7	14 - 72	4.18	20	
beta-BHC [2C]	9.92117	1.0	0.15	16.6667	ND	59.5	16 - 76	4.03	20	
delta-BHC	11.4855	1.0	0.11	16.6667	ND	68.9	14 - 76	3.45	20	
delta-BHC [2C]	10.4928	1.0	0.11	16.6667	ND	63.0	12 - 86	5.45	20	
Dieldrin	9.95367	2.0	0.09	16.6667	ND	59.7	0 - 122	4.02	20	
Dieldrin [2C]	9.80317	2.0	0.09	16.6667	ND	58.8	0 - 110	4.37	20	
Endosulfan I	9.47683	1.0	0.09	16.6667	ND	56.9	6 - 80	4.11	20	
Endosulfan I [2C]	8.50917	1.0	0.09	16.6667	ND	51.1	0 - 96	5.36	20	
Endosulfan II	9.87583	2.0	0.09	16.6667	ND	59.3	17 - 82	1.83	20	
Endosulfan II [2C]	10.2450	2.0	0.09	16.6667	ND	61.5	6 - 98	4.81	20	
Endosulfan sulfate	9.17783	2.0	0.11	16.6667	ND	55.1	9 - 78	5.57	20	
Endosulfan Sulfate [2C]	9.55417	2.0	0.11	16.6667	ND	57.3	14 - 75	5.10	20	
Endrin	10.8485	2.0	0.07	16.6667	ND	65.1	6 - 111	4.20	20	
Endrin [2C]	10.8573	2.0	0.07	16.6667	ND	65.1	21 - 94	4.83	20	
Endrin aldehyde	10.0892	2.0	0.18	16.6667	ND	60.5	0 - 121	1.90	20	
Endrin aldehyde [2C]	9.89433	2.0	0.18	16.6667	ND	59.4	9 - 87	8.96	20	
Endrin ketone	9.16933	2.0	0.06	16.6667	ND	55.0	8 - 78	0.797	20	
Endrin ketone [2C]	9.40783	2.0	0.06	16.6667	ND	56.4	10 - 84	4.97	20	
gamma-BHC	10.2832	1.0	0.12	16.6667	ND	61.7	14 - 81	2.82	20	
gamma-BHC [2C]	10.1758	1.0	0.12	16.6667	ND	61.1	13 - 84	5.82	20	
gamma-Chlordane	8.96283	1.0	0.11	16.6667	ND	53.8	12 - 79	4.36	20	
gamma-Chlordane [2C]	9.15650	1.0	0.11	16.6667	ND	54.9	11 - 82	3.44	20	
Heptachlor	9.39717	1.0	0.10	16.6667	ND	56.4	3 - 92	1.97	20	
Heptachlor [2C]	9.59383	1.0	0.10	16.6667	ND	57.6	15 - 81	6.63	20	
Heptachlor epoxide	9.51150	1.0	0.09	16.6667	ND	57.1	11 - 75	4.06	20	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1295 - GCSEMI\_PCB/PEST\_S (continued)**

**Matrix Spike Dup (B2C1295-MSD1) - Continued**

Source: 2200309-01

Prepared: 3/21/2022 Analyzed: 3/23/2022

Heptachlor epoxide [2C]	9.48500	1.0	0.09	16.6667	ND	56.9	16 - 76	5.19	20
Methoxychlor	11.5185	5.0	0.14	16.6667	ND	69.1	0 - 101	0.445	20
Methoxychlor [2C]	11.3238	5.0	0.14	16.6667	ND	67.9	0 - 110	4.52	20

<i>Surrogate: Decachlorobiphenyl</i>	9.492			16.6667		56.9	0 - 97		
<i>Surrogate: Decachlorobiphenyl [2C]</i>	7.448			16.6667		44.7	0 - 89		
<i>Surrogate: Tetrachloro-m-xylene</i>	8.720			16.6667		52.3	3 - 78		
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	8.840			16.6667		53.0	6 - 76		



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Project Number : Ontario Airport / 5925  
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Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1305 - MSVOA\_S**

**Blank (B2C1305-BLK1)**

Prepared: 3/22/2022 Analyzed: 3/22/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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Irvine , CA 92612

Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1305 - MSVOA\_S (continued)**

**Blank (B2C1305-BLK1) - Continued**

Prepared: 3/22/2022 Analyzed: 3/22/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	61.45		50.0000		123	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	47.10		50.0000		94.2	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	55.55		50.0000		111	77 - 159
<i>Surrogate: Toluene-d8</i>	48.09		50.0000		96.2	81 - 128

**LCS (B2C1305-BS1)**

Prepared: 3/22/2022 Analyzed: 3/22/2022

1,1,1,2-Tetrachloroethane	49.2000	5.0	0.52	50.0000	98.4	84 - 123
1,1,1-Trichloroethane	57.5000	5.0	0.26	50.0000	115	78 - 133
1,1,2,2-Tetrachloroethane	47.3000	5.0	0.21	50.0000	94.6	63 - 127
1,1,2-Trichloroethane	54.4000	5.0	0.40	50.0000	109	80 - 125
1,1-Dichloroethane	58.0200	5.0	1.4	50.0000	116	77 - 128
1,1-Dichloroethene	55.3800	5.0	1.9	50.0000	111	69 - 138
1,1-Dichloropropene	52.0400	5.0	0.54	50.0000	104	80 - 133
1,2,3-Trichloropropane	50.5500	5.0	0.40	50.0000	101	74 - 123
1,2,3-Trichlorobenzene	47.7200	5.0	0.83	50.0000	95.4	79 - 133
1,2,4-Trichlorobenzene	48.0000	5.0	0.80	50.0000	96.0	73 - 131
1,2,4-Trimethylbenzene	51.1800	5.0	0.91	50.0000	102	86 - 137
1,2-Dibromo-3-chloropropane	52.3600	10	1.1	50.0000	105	62 - 127
1,2-Dibromoethane	51.1900	5.0	0.40	50.0000	102	83 - 126
1,2-Dichlorobenzene	47.0500	5.0	0.21	50.0000	94.1	83 - 123
1,2-Dichloroethane	57.2400	5.0	0.50	50.0000	114	76 - 128



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1305 - MSVOA\_S (continued)**

**LCS (B2C1305-BS1) - Continued**

Prepared: 3/22/2022 Analyzed: 3/22/2022

1,2-Dichloropropane	49.4900	5.0	0.46	50.0000		99.0	77 - 121			
1,3,5-Trimethylbenzene	50.8300	5.0	0.70	50.0000		102	84 - 135			
1,3-Dichlorobenzene	48.4900	5.0	0.36	50.0000		97.0	81 - 126			
1,3-Dichloropropane	49.2900	5.0	0.49	50.0000		98.6	80 - 118			
1,4-Dichlorobenzene	49.6000	5.0	0.27	50.0000		99.2	80 - 124			
2,2-Dichloropropane	54.3700	5.0	0.28	50.0000		109	72 - 135			
2-Chlorotoluene	50.2900	5.0	0.53	50.0000		101	81 - 127			
4-Chlorotoluene	52.2400	5.0	0.40	50.0000		104	83 - 127			
4-Isopropyltoluene	49.6800	5.0	0.81	50.0000		99.4	82 - 143			
Benzene	54.6800	5.0	0.36	50.0000		109	84 - 123			
Bromobenzene	52.0900	5.0	0.62	50.0000		104	80 - 122			
Bromochloromethane	54.7300	5.0	0.30	50.0000		109	83 - 127			
Bromodichloromethane	55.2900	5.0	0.52	50.0000		111	82 - 123			
Bromoform	46.4700	5.0	1.4	50.0000		92.9	80 - 132			
Bromomethane	79.8400	5.0	2.5	50.0000		160	67 - 176			
Carbon disulfide	55.8100	5.0	0.94	50.0000		112	75 - 138			
Carbon tetrachloride	50.9800	5.0	0.73	50.0000		102	76 - 131			
Chlorobenzene	49.2600	5.0	0.42	50.0000		98.5	84 - 119			
Chloroethane	63.8500	5.0	1.5	50.0000		128	56 - 170			
Chloroform	57.0100	5.0	0.24	50.0000		114	78 - 129			
Chloromethane	54.2500	5.0	1.1	50.0000		108	63 - 141			
cis-1,2-Dichloroethene	41.9400	5.0	0.20	50.0000		83.9	83 - 125			
cis-1,3-Dichloropropene	44.8500	5.0	0.39	50.0000		89.7	76 - 129			
Di-isopropyl ether	54.2500	5.0	1.9	50.0000		108	73 - 132			
Dibromochloromethane	46.8500	5.0	0.81	50.0000		93.7	81 - 120			
Dibromomethane	48.9100	5.0	0.23	50.0000		97.8	79 - 124			
Dichlorodifluoromethane	46.5400	5.0	0.14	50.0000		93.1	18 - 199			
Ethyl Acetate	28.5600	50	7.0	500.000		5.71	76 - 138			MO
Ethyl Ether	650.800	50	17	500.000		130	74 - 128			L3
Ethyl tert-butyl ether	50.2700	5.0	0.85	50.0000		101	50 - 175			
Ethylbenzene	51.2400	5.0	0.43	50.0000		102	86 - 130			
Freon-113	64.6800	5.0	1.3	50.0000		129	66 - 132			
Hexachlorobutadiene	51.7700	5.0	0.40	50.0000		104	64 - 135			
Isopropylbenzene	52.9800	5.0	0.79	50.0000		106	80 - 133			
m,p-Xylene	100.490	10	0.98	100.000		100	89 - 133			
Methylene chloride	57.7700	5.0	2.2	50.0000		116	72 - 143			
MTBE	50.6100	5.0	0.81	50.0000		101	73 - 136			
n-Butylbenzene	51.9200	5.0	1.2	50.0000		104	76 - 144			
n-Propylbenzene	51.8500	5.0	0.78	50.0000		104	81 - 136			
Naphthalene	44.8100	5.0	1.1	50.0000		89.6	64 - 128			
o-Xylene	50.1500	5.0	0.67	50.0000		100	82 - 134			
sec-Butylbenzene	51.2600	5.0	0.63	50.0000		103	81 - 138			
Styrene	47.8100	5.0	0.45	50.0000		95.6	79 - 152			
tert-Amyl methyl ether	50.8300	5.0	1.1	50.0000		102	48 - 166			
tert-Butanol	185.250	100	11	250.000		74.1	48 - 148			



## Certificate of Analysis

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Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1305 - MSVOA\_S (continued)**

**LCS (B2C1305-BS1) - Continued**

Prepared: 3/22/2022 Analyzed: 3/22/2022

tert-Butylbenzene	49.7000	5.0	0.80	50.0000		99.4	81 - 135			
Tetrachloroethene	48.0500	5.0	0.31	50.0000		96.1	75 - 127			
Toluene	52.6600	5.0	0.27	50.0000		105	88 - 130			
trans-1,2-Dichloroethene	70.5400	5.0	0.56	50.0000		141	79 - 127			L5
trans-1,3-Dichloropropene	48.6500	5.0	0.59	50.0000		97.3	80 - 130			
Trichloroethene	53.6500	5.0	0.32	50.0000		107	83 - 126			
Trichlorofluoromethane	66.4300	5.0	1.0	50.0000		133	62 - 143			
Vinyl acetate	34.6500	50	6.0	500.000		6.93	69 - 150			MO
Vinyl chloride	61.4100	5.0	0.92	50.0000		123	69 - 140			

*Surrogate: 1,2-Dichloroethane-d4*

58.63

50.0000

117

66 - 200

*Surrogate: 4-Bromofluorobenzene*

47.76

50.0000

95.5

50 - 146

*Surrogate: Dibromofluoromethane*

54.90

50.0000

110

77 - 159

*Surrogate: Toluene-d8*

49.92

50.0000

99.8

81 - 128

**LCS Dup (B2C1305-BSD1)**

Prepared: 3/22/2022 Analyzed: 3/22/2022

1,1,1,2-Tetrachloroethane	44.1100	5.0	0.52	50.0000		88.2	84 - 123	10.9	20	
1,1,1-Trichloroethane	52.8400	5.0	0.26	50.0000		106	78 - 133	8.45	20	
1,1,2,2-Tetrachloroethane	44.3400	5.0	0.21	50.0000		88.7	63 - 127	6.46	20	
1,1,2-Trichloroethane	50.7000	5.0	0.40	50.0000		101	80 - 125	7.04	20	
1,1-Dichloroethane	54.1100	5.0	1.4	50.0000		108	77 - 128	6.97	20	
1,1-Dichloroethene	47.1100	5.0	1.9	50.0000		94.2	69 - 138	16.1	20	
1,1-Dichloropropene	52.3600	5.0	0.54	50.0000		105	80 - 133	0.613	20	
1,2,3-Trichloropropane	47.6400	5.0	0.40	50.0000		95.3	74 - 123	5.93	20	
1,2,3-Trichlorobenzene	45.4800	5.0	0.83	50.0000		91.0	79 - 133	4.81	20	
1,2,4-Trichlorobenzene	46.0600	5.0	0.80	50.0000		92.1	73 - 131	4.13	20	
1,2,4-Trimethylbenzene	47.3300	5.0	0.91	50.0000		94.7	86 - 137	7.82	20	
1,2-Dibromo-3-chloropropane	45.1000	10	1.1	50.0000		90.2	62 - 127	14.9	20	
1,2-Dibromoethane	51.5900	5.0	0.40	50.0000		103	83 - 126	0.778	20	
1,2-Dichlorobenzene	47.1800	5.0	0.21	50.0000		94.4	83 - 123	0.276	20	
1,2-Dichloroethane	55.6400	5.0	0.50	50.0000		111	76 - 128	2.83	20	
1,2-Dichloropropane	50.0100	5.0	0.46	50.0000		100	77 - 121	1.05	20	
1,3,5-Trimethylbenzene	46.7600	5.0	0.70	50.0000		93.5	84 - 135	8.34	20	
1,3-Dichlorobenzene	47.0900	5.0	0.36	50.0000		94.2	81 - 126	2.93	20	
1,3-Dichloropropane	46.5600	5.0	0.49	50.0000		93.1	80 - 118	5.70	20	
1,4-Dichlorobenzene	45.6100	5.0	0.27	50.0000		91.2	80 - 124	8.38	20	
2,2-Dichloropropane	51.9400	5.0	0.28	50.0000		104	72 - 135	4.57	20	
2-Chlorotoluene	49.3300	5.0	0.53	50.0000		98.7	81 - 127	1.93	20	
4-Chlorotoluene	50.1300	5.0	0.40	50.0000		100	83 - 127	4.12	20	
4-Isopropyltoluene	45.3300	5.0	0.81	50.0000		90.7	82 - 143	9.16	20	
Benzene	52.6400	5.0	0.36	50.0000		105	84 - 123	3.80	20	
Bromobenzene	48.1800	5.0	0.62	50.0000		96.4	80 - 122	7.80	20	
Bromochloromethane	48.8000	5.0	0.30	50.0000		97.6	83 - 127	11.5	20	
Bromodichloromethane	54.7500	5.0	0.52	50.0000		110	82 - 123	0.981	20	
Bromoform	44.9600	5.0	1.4	50.0000		89.9	80 - 132	3.30	20	
Bromomethane	72.2300	5.0	2.5	50.0000		144	67 - 176	10.0	20	



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1305 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2C1305-BSD1) - Continued</b>					Prepared: 3/22/2022 Analyzed: 3/22/2022				
Carbon disulfide	48.4800	5.0	0.94	50.0000		97.0	75 - 138	14.1	20
Carbon tetrachloride	50.3400	5.0	0.73	50.0000		101	76 - 131	1.26	20
Chlorobenzene	46.3100	5.0	0.42	50.0000		92.6	84 - 119	6.17	20
Chloroethane	55.3500	5.0	1.5	50.0000		111	56 - 170	14.3	20
Chloroform	55.7900	5.0	0.24	50.0000		112	78 - 129	2.16	20
Chloromethane	50.3800	5.0	1.1	50.0000		101	63 - 141	7.40	20
cis-1,2-Dichloroethene	39.8800	5.0	0.20	50.0000		79.8	83 - 125	5.04	20 L3
cis-1,3-Dichloropropene	43.0800	5.0	0.39	50.0000		86.2	76 - 129	4.03	20
Di-isopropyl ether	50.9100	5.0	1.9	50.0000		102	73 - 132	6.35	20
Dibromochloromethane	45.7500	5.0	0.81	50.0000		91.5	81 - 120	2.38	20
Dibromomethane	50.5200	5.0	0.23	50.0000		101	79 - 124	3.24	20
Dichlorodifluoromethane	38.9500	5.0	0.14	50.0000		77.9	18 - 199	17.8	20
Ethyl Acetate	27.4300	50	7.0	500.000		5.49	76 - 138	4.04	20 MO
Ethyl Ether	601.280	50	17	500.000		120	74 - 128	7.91	20
Ethyl tert-butyl ether	48.9700	5.0	0.85	50.0000		97.9	50 - 175	2.62	20
Ethylbenzene	47.3000	5.0	0.43	50.0000		94.6	86 - 130	8.00	20
Freon-113	57.0900	5.0	1.3	50.0000		114	66 - 132	12.5	20
Hexachlorobutadiene	47.9500	5.0	0.40	50.0000		95.9	64 - 135	7.66	20
Isopropylbenzene	48.5200	5.0	0.79	50.0000		97.0	80 - 133	8.79	20
m,p-Xylene	92.7600	10	0.98	100.000		92.8	89 - 133	8.00	20
Methylene chloride	52.6400	5.0	2.2	50.0000		105	72 - 143	9.29	20
MTBE	46.2200	5.0	0.81	50.0000		92.4	73 - 136	9.07	20
n-Butylbenzene	46.8600	5.0	1.2	50.0000		93.7	76 - 144	10.2	20
n-Propylbenzene	48.0300	5.0	0.78	50.0000		96.1	81 - 136	7.65	20
Naphthalene	42.8000	5.0	1.1	50.0000		85.6	64 - 128	4.59	20
o-Xylene	47.3800	5.0	0.67	50.0000		94.8	82 - 134	5.68	20
sec-Butylbenzene	48.1800	5.0	0.63	50.0000		96.4	81 - 138	6.19	20
Styrene	46.9500	5.0	0.45	50.0000		93.9	79 - 152	1.82	20
tert-Amyl methyl ether	48.0800	5.0	1.1	50.0000		96.2	48 - 166	5.56	20
tert-Butanol	184.140	100	11	250.000		73.7	48 - 148	0.601	20
tert-Butylbenzene	46.1300	5.0	0.80	50.0000		92.3	81 - 135	7.45	20
Tetrachloroethene	44.2400	5.0	0.31	50.0000		88.5	75 - 127	8.26	20
Toluene	50.7100	5.0	0.27	50.0000		101	88 - 130	3.77	20
trans-1,2-Dichloroethene	70.6300	5.0	0.56	50.0000		141	79 - 127	0.128	20 L5
trans-1,3-Dichloropropene	49.5400	5.0	0.59	50.0000		99.1	80 - 130	1.81	20
Trichloroethene	51.1000	5.0	0.32	50.0000		102	83 - 126	4.87	20
Trichlorofluoromethane	59.7200	5.0	1.0	50.0000		119	62 - 143	10.6	20
Vinyl acetate	31.4700	50	6.0	500.000		6.29	69 - 150	9.62	20 MO
Vinyl chloride	57.5500	5.0	0.92	50.0000		115	69 - 140	6.49	20
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Surrogate: 1,2-Dichloroethane-d4	54.49			50.0000		109	66 - 200		
Surrogate: 4-Bromofluorobenzene	47.08			50.0000		94.2	50 - 146		
Surrogate: Dibromofluoromethane	53.45			50.0000		107	77 - 159		
Surrogate: Toluene-d8	51.08			50.0000		102	81 - 128		



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1344 - MSSEMI\_NAL**

**Blank (B2C1344-BLK1)**

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,2,4-Trichlorobenzene	ND	330	50						
1,2-Dichlorobenzene	ND	330	26						
1,3-Dichlorobenzene	ND	330	27						
1,4-Dichlorobenzene	ND	330	27						
2,4,5-Trichlorophenol	ND	330	30						
2,4,6-Trichlorophenol	ND	330	35						
2,4-Dichlorophenol	ND	1600	34						
2,4-Dimethylphenol	ND	330	26						
2,4-Dinitrophenol	ND	1600	86						
2,4-Dinitrotoluene	ND	330	33						
2,6-Dinitrotoluene	ND	330	49						
2-Chloronaphthalene	ND	330	28						
2-Chlorophenol	ND	330	31						
2-Methylnaphthalene	ND	330	27						
2-Methylphenol	ND	330	36						
2-Nitroaniline	ND	1600	43						
2-Nitrophenol	ND	330	45						
3,3'-Dichlorobenzidine	ND	660	280						
3-Nitroaniline	ND	1600	49						
4,6-Dinitro-2-methylphenol	ND	1600	41						
4-Bromophenyl-phenylether	ND	330	64						
4-Chloro-3-methylphenol	ND	660	71						
4-Chloroaniline	ND	660	53						
4-Chlorophenyl-phenylether	ND	330	33						
4-Methylphenol	ND	330	57						
4-Nitroaniline	ND	1600	37						
4-Nitrophenol	ND	330	64						
Acenaphthene	ND	330	43						
Acenaphthylene	ND	330	62						
Anthracene	ND	330	51						
Benzdine (M)	ND	1600	1400						
Benzo(a)anthracene	ND	330	44						
Benzo(a)pyrene	ND	330	64						
Benzo(b)fluoranthene	ND	330	65						
Benzo(g,h,i)perylene	ND	330	81						
Benzo(k)fluoranthene	ND	330	33						
Benzoic acid	ND	1600	890						
Benzyl alcohol	ND	660	32						
bis(2-chloroethoxy)methane	ND	330	64						
bis(2-Chloroethyl)ether	ND	330	66						
bis(2-chloroisopropyl)ether	ND	330	76						
bis(2-ethylhexyl)phthalate	ND	330	63						
Butylbenzylphthalate	ND	330	41						
Chrysene	ND	330	84						
Di-n-butylphthalate	ND	330	51						





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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1344 - MSSEMI\_NAL (continued)**

**Blank (B2C1344-BLK1) - Continued**

Prepared: 3/23/2022 Analyzed: 3/23/2022

Di-n-octylphthalate	ND	330	63
Dibenz(a,h)anthracene	ND	330	45
Dibenzofuran	ND	330	58
Diethyl phthalate	ND	330	58
Dimethyl phthalate	ND	330	40
Fluoranthene	ND	330	60
Fluorene	ND	330	110
Hexachlorobenzene	ND	330	55
Hexachlorobutadiene	ND	660	53
Hexachlorocyclopentadiene	ND	660	70
Hexachloroethane	ND	330	94
Indeno(1,2,3-cd)pyrene	ND	330	75
Isophorone	ND	330	85
N-Nitroso-di-n propylamine	ND	330	60
N-Nitrosodiphenylamine	ND	330	32
Naphthalene	ND	330	56
Nitrobenzene	ND	330	57
Pentachlorophenol	ND	1600	50
Phenanthrene	ND	330	67
Phenol	ND	330	34
Pyrene	ND	330	72
Pyridine	ND	1600	270

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	4007		6666.67	60.1	23 - 102
<i>Surrogate: 2,4,6-Tribromophenol</i>	7546		10000.0	75.5	3 - 138
<i>Surrogate: 2-Chlorophenol-d4</i>	5925		10000.0	59.2	18 - 105
<i>Surrogate: 2-Fluorobiphenyl</i>	4236		6666.67	63.5	34 - 106
<i>Surrogate: 2-Fluorophenol</i>	5914		10000.0	59.1	16 - 94
<i>Surrogate: 4-Terphenyl-d14</i>	5060		6666.67	75.9	31 - 130
<i>Surrogate: Nitrobenzene-d5</i>	4225		6666.67	63.4	23 - 102
<i>Surrogate: Phenol-d6</i>	5921		10000.0	59.2	14 - 104

**Blank (B2C1344-BLK2)**

Prepared: 3/23/2022 Analyzed: 3/24/2022

1,2,4-Trichlorobenzene	ND	330	50
1,2-Dichlorobenzene	ND	330	26
1,3-Dichlorobenzene	ND	330	27
1,4-Dichlorobenzene	ND	330	27
2,4,5-Trichlorophenol	ND	330	30
2,4,6-Trichlorophenol	ND	330	35
2,4-Dichlorophenol	ND	1600	34
2,4-Dimethylphenol	ND	330	26
2,4-Dinitrophenol	ND	1600	86
2,4-Dinitrotoluene	ND	330	33
2,6-Dinitrotoluene	ND	330	49
2-Chloronaphthalene	ND	330	28
2-Chlorophenol	ND	330	31



# Certificate of Analysis

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## Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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### Batch B2C1344 - MSSEMI\_NAL (continued)

#### Blank (B2C1344-BLK2) - Continued

Prepared: 3/23/2022 Analyzed: 3/24/2022

2-Methylnaphthalene	ND	330	27							
2-Methylphenol	ND	330	36							
2-Nitroaniline	ND	1600	43							
2-Nitrophenol	ND	330	45							
3,3'-Dichlorobenzidine	ND	660	280							
3-Nitroaniline	ND	1600	49							
4,6-Dinitro-2-methylphenol	ND	1600	41							
4-Bromophenyl-phenylether	ND	330	64							
4-Chloro-3-methylphenol	ND	660	71							
4-Chloroaniline	ND	660	53							
4-Chlorophenyl-phenylether	ND	330	33							
4-Methylphenol	ND	330	57							
4-Nitroaniline	ND	1600	37							
4-Nitrophenol	ND	330	64							
Acenaphthene	ND	330	43							
Acenaphthylene	ND	330	62							
Anthracene	ND	330	51							
Benzdine (M)	ND	1600	1400							
Benzo(a)anthracene	ND	330	44							
Benzo(a)pyrene	ND	330	64							
Benzo(b)fluoranthene	ND	330	65							
Benzo(g,h,i)perylene	ND	330	81							
Benzo(k)fluoranthene	ND	330	33							
Benzoic acid	ND	1600	890							
Benzyl alcohol	ND	660	32							
bis(2-chloroethoxy)methane	ND	330	64							
bis(2-Chloroethyl)ether	ND	330	66							
bis(2-chloroisopropyl)ether	ND	330	76							
bis(2-ethylhexyl)phthalate	ND	330	63							
Butylbenzylphthalate	ND	330	41							
Chrysene	ND	330	84							
Di-n-butylphthalate	ND	330	51							
Di-n-octylphthalate	ND	330	63							
Dibenz(a,h)anthracene	ND	330	45							
Dibenzofuran	ND	330	58							
Diethyl phthalate	ND	330	58							
Dimethyl phthalate	ND	330	40							
Fluoranthene	ND	330	60							
Fluorene	ND	330	110							
Hexachlorobenzene	ND	330	55							
Hexachlorobutadiene	ND	660	53							
Hexachlorocyclopentadiene	ND	660	70							
Hexachloroethane	ND	330	94							
Indeno(1,2,3-cd)pyrene	ND	330	75							
Isophorone	ND	330	85							



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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1344 - MSSEMI\_NAL (continued)**

**Blank (B2C1344-BLK2) - Continued**

Prepared: 3/23/2022 Analyzed: 3/24/2022

N-Nitroso-di-n propylamine	ND	330	60						
N-Nitrosodiphenylamine	ND	330	32						
Naphthalene	ND	330	56						
Nitrobenzene	ND	330	57						
Pentachlorophenol	ND	1600	50						
Phenanthrene	ND	330	67						
Phenol	ND	330	34						
Pyrene	ND	330	72						
Pyridine	ND	1600	270						

<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	4196			6666.67		62.9	23 - 102		
<i>Surrogate: 2,4,6-Tribromophenol</i>	6721			10000.0		67.2	3 - 138		
<i>Surrogate: 2-Chlorophenol-d4</i>	6075			10000.0		60.8	18 - 105		
<i>Surrogate: 2-Fluorobiphenyl</i>	4187			6666.67		62.8	34 - 106		
<i>Surrogate: 2-Fluorophenol</i>	5869			10000.0		58.7	16 - 94		
<i>Surrogate: 4-Terphenyl-d14</i>	5131			6666.67		77.0	31 - 130		
<i>Surrogate: Nitrobenzene-d5</i>	4027			6666.67		60.4	23 - 102		
<i>Surrogate: Phenol-d6</i>	5980			10000.0		59.8	14 - 104		

**LCS (B2C1344-BS1)**

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,2,4-Trichlorobenzene	4678.00	330	50	6666.67		70.2	41 - 104		
1,2-Dichlorobenzene	4390.00	330	26	6666.67		65.8	37 - 100		
1,3-Dichlorobenzene	4171.33	330	27	6666.67		62.6	36 - 98		
1,4-Dichlorobenzene	4298.00	330	27	6666.67		64.5	37 - 97		
2,4,5-Trichlorophenol	5280.00	330	30	6666.67		79.2	47 - 115		
2,4,6-Trichlorophenol	5243.33	330	35	6666.67		78.6	48 - 119		
2,4-Dichlorophenol	5048.67	1600	34	6666.67		75.7	46 - 118		
2,4-Dimethylphenol	5216.00	330	26	6666.67		78.2	41 - 114		
2,4-Dinitrophenol	4684.00	1600	86	6666.67		70.3	0 - 180		
2,4-Dinitrotoluene	5808.00	330	33	6666.67		87.1	40 - 138		
2,6-Dinitrotoluene	5633.33	330	49	6666.67		84.5	45 - 131		
2-Chloronaphthalene	5060.00	330	28	6666.67		75.9	46 - 112		
2-Chlorophenol	4466.00	330	31	6666.67		67.0	41 - 99		
2-Methylnaphthalene	4916.67	330	27	6666.67		73.8	45 - 111		
2-Methylphenol	4777.33	330	36	6666.67		71.7	40 - 92		
2-Nitroaniline	5660.00	1600	43	6666.67		84.9	44 - 130		
2-Nitrophenol	4866.67	330	45	6666.67		73.0	34 - 114		
3,3'-Dichlorobenzidine	4638.00	660	280	6666.67		69.6	41 - 128		
3-Nitroaniline	5813.33	1600	49	6666.67		87.2	47 - 123		
4,6-Dinitro-2-methylphenol	5313.33	1600	41	6666.67		79.7	2 - 172		
4-Bromophenyl-phenylether	5463.33	330	64	6666.67		81.9	49 - 116		
4-Chloro-3-methylphenol	5629.33	660	71	6666.67		84.4	45 - 127		
4-Chloroaniline	5352.67	660	53	6666.67		80.3	50 - 106		
4-Chlorophenyl-phenylether	5418.00	330	33	6666.67		81.3	49 - 115		
4-Methylphenol	2590.00	330	57	3333.33		77.7	43 - 109		
4-Nitroaniline	5806.67	1600	37	6666.67		87.1	44 - 125		



## Certificate of Analysis

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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1344 - MSSEMI\_NAL (continued)**

**LCS (B2C1344-BS1) - Continued**

Prepared: 3/23/2022 Analyzed: 3/23/2022

4-Nitrophenol	5585.33	330	64	6666.67		83.8	30 - 146			
Acenaphthene	5249.33	330	43	6666.67		78.7	44 - 110			
Acenaphthylene	5270.67	330	62	6666.67		79.1	42 - 111			
Anthracene	5468.00	330	51	6666.67		82.0	41 - 117			
Benzidine (M)	4008.00	1600	1400	6666.67		60.1	0 - 189			
Benzo(a)anthracene	5536.00	330	44	6666.67		83.0	45 - 110			
Benzo(a)pyrene	5634.00	330	64	6666.67		84.5	45 - 116			
Benzo(b)fluoranthene	5456.67	330	65	6666.67		81.8	43 - 112			
Benzo(g,h,i)perylene	5434.00	330	81	6666.67		81.5	43 - 113			
Benzo(k)fluoranthene	5590.00	330	33	6666.67		83.8	42 - 114			
Benzoic acid	ND	1600	890	6666.67		NR	0 - 134			
Benzyl alcohol	5101.33	660	32	6666.67		76.5	39 - 117			
bis(2-chloroethoxy)methane	4963.33	330	64	6666.67		74.4	43 - 102			
bis(2-Chloroethyl)ether	4460.67	330	66	6666.67		66.9	38 - 99			
bis(2-chloroisopropyl)ether	4416.67	330	76	6666.67		66.2	30 - 104			
bis(2-ethylhexyl)phthalate	5666.00	330	63	6666.67		85.0	49 - 123			
Butylbenzylphthalate	5770.67	330	41	6666.67		86.6	49 - 122			
Chrysene	5535.33	330	84	6666.67		83.0	46 - 111			
Di-n-butylphthalate	5567.33	330	51	6666.67		83.5	48 - 118			
Di-n-octylphthalate	6071.33	330	63	6666.67		91.1	46 - 131			
Dibenz(a,h)anthracene	5419.33	330	45	6666.67		81.3	43 - 113			
Dibenzofuran	5279.33	330	58	6666.67		79.2	50 - 113			
Diethyl phthalate	5430.67	330	58	6666.67		81.5	50 - 115			
Dimethyl phthalate	5390.00	330	40	6666.67		80.8	48 - 112			
Fluoranthene	5562.67	330	60	6666.67		83.4	40 - 119			
Fluorene	5441.33	330	110	6666.67		81.6	41 - 117			
Hexachlorobenzene	5355.33	330	55	6666.67		80.3	46 - 123			
Hexachlorobutadiene	4309.33	660	53	6666.67		64.6	37 - 104			
Hexachlorocyclopentadiene	4178.00	660	70	6666.67		62.7	30 - 128			
Hexachloroethane	4298.67	330	94	6666.67		64.5	38 - 103			
Indeno(1,2,3-cd)pyrene	5572.67	330	75	6666.67		83.6	43 - 113			
Isophorone	5180.67	330	85	6666.67		77.7	43 - 109			
N-Nitroso-di-n propylamine	5159.33	330	60	6666.67		77.4	44 - 111			
N-Nitrosodiphenylamine	5296.67	330	32	6666.67		79.4	48 - 113			
Naphthalene	4618.00	330	56	6666.67		69.3	38 - 103			
Nitrobenzene	4646.00	330	57	6666.67		69.7	40 - 111			
Pentachlorophenol	5313.33	1600	50	6666.67		79.7	33 - 130			
Phenanthrene	5372.00	330	67	6666.67		80.6	42 - 119			
Phenol	4361.33	330	34	6666.67		65.4	43 - 104			
Pyrene	5514.67	330	72	6666.67		82.7	38 - 120			
Pyridine	2628.67	1600	270	6666.67		39.4	0 - 72			

Surrogate: 1,2-Dichlorobenzene-d4	4396			6666.67		65.9	23 - 102			
Surrogate: 2,4,6-Tribromophenol	8961			10000.0		89.6	3 - 138			
Surrogate: 2-Chlorophenol-d4	6838			10000.0		68.4	18 - 105			
Surrogate: 2-Fluorobiphenyl	5045			6666.67		75.7	34 - 106			



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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1344 - MSSEMI\_NAL (continued)**

**LCS (B2C1344-BS1) - Continued**

Prepared: 3/23/2022 Analyzed: 3/23/2022

Surrogate: 2-Fluorophenol	6308		10000.0	63.1	16 - 94
Surrogate: 4-Terphenyl-d14	5659		6666.67	84.9	31 - 130
Surrogate: Nitrobenzene-d5	4725		6666.67	70.9	23 - 102
Surrogate: Phenol-d6	6990		10000.0	69.9	14 - 104

**LCS (B2C1344-BS2)**

Prepared: 3/23/2022 Analyzed: 3/24/2022

1,2,4-Trichlorobenzene	3462.00	330	50	6666.67	51.9	41 - 104
1,2-Dichlorobenzene	3025.33	330	26	6666.67	45.4	37 - 100
1,3-Dichlorobenzene	3096.67	330	27	6666.67	46.4	36 - 98
1,4-Dichlorobenzene	3094.67	330	27	6666.67	46.4	37 - 97
2,4,5-Trichlorophenol	3894.00	330	30	6666.67	58.4	47 - 115
2,4,6-Trichlorophenol	3788.67	330	35	6666.67	56.8	48 - 119
2,4-Dichlorophenol	3674.00	1600	34	6666.67	55.1	46 - 118
2,4-Dimethylphenol	3720.67	330	26	6666.67	55.8	41 - 114
2,4-Dinitrophenol	3550.00	1600	86	6666.67	53.2	0 - 180
2,4-Dinitrotoluene	3941.33	330	33	6666.67	59.1	40 - 138
2,6-Dinitrotoluene	3938.67	330	49	6666.67	59.1	45 - 131
2-Chloronaphthalene	3632.00	330	28	6666.67	54.5	46 - 112
2-Chlorophenol	3249.33	330	31	6666.67	48.7	41 - 99
2-Methylnaphthalene	3670.00	330	27	6666.67	55.0	45 - 111
2-Methylphenol	3460.00	330	36	6666.67	51.9	40 - 92
2-Nitroaniline	3870.67	1600	43	6666.67	58.1	44 - 130
2-Nitrophenol	3558.00	330	45	6666.67	53.4	34 - 114
3,3'-Dichlorobenzidine	2980.67	660	280	6666.67	44.7	41 - 128
3-Nitroaniline	4021.33	1600	49	6666.67	60.3	47 - 123
4,6-Dinitro-2-methylphenol	3862.67	1600	41	6666.67	57.9	2 - 172
4-Bromophenyl-phenylether	3992.00	330	64	6666.67	59.9	49 - 116
4-Chloro-3-methylphenol	3974.67	660	71	6666.67	59.6	45 - 127
4-Chloroaniline	3874.67	660	53	6666.67	58.1	50 - 106
4-Chlorophenyl-phenylether	3832.67	330	33	6666.67	57.5	49 - 115
4-Methylphenol	1818.00	330	57	3333.33	54.5	43 - 109
4-Nitroaniline	4016.67	1600	37	6666.67	60.2	44 - 125
4-Nitrophenol	3933.33	330	64	6666.67	59.0	30 - 146
Acenaphthene	3679.33	330	43	6666.67	55.2	44 - 110
Acenaphthylene	3790.67	330	62	6666.67	56.9	42 - 111
Anthracene	3992.67	330	51	6666.67	59.9	41 - 117
Benzidine (M)	1681.33	1600	1400	6666.67	25.2	0 - 189
Benzo(a)anthracene	3928.67	330	44	6666.67	58.9	45 - 110
Benzo(a)pyrene	4008.67	330	64	6666.67	60.1	45 - 116
Benzo(b)fluoranthene	4020.00	330	65	6666.67	60.3	43 - 112
Benzo(g,h,i)perylene	3802.67	330	81	6666.67	57.0	43 - 113
Benzo(k)fluoranthene	3845.33	330	33	6666.67	57.7	42 - 114
Benzoic acid	ND	1600	890	6666.67	NR	0 - 134
Benzyl alcohol	3596.67	660	32	6666.67	54.0	39 - 117
bis(2-chloroethoxy)methane	3642.00	330	64	6666.67	54.6	43 - 102



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1344 - MSSEMI\_NAL (continued)**

**LCS (B2C1344-BS2) - Continued**

Prepared: 3/23/2022 Analyzed: 3/24/2022

bis(2-Chloroethyl)ether	3208.00	330	66	6666.67		48.1	38 - 99			
bis(2-chloroisopropyl)ether	3170.00	330	76	6666.67		47.6	30 - 104			
bis(2-ethylhexyl)phthalate	3912.00	330	63	6666.67		58.7	49 - 123			
Butylbenzylphthalate	3886.67	330	41	6666.67		58.3	49 - 122			
Chrysene	3962.67	330	84	6666.67		59.4	46 - 111			
Di-n-butylphthalate	3992.67	330	51	6666.67		59.9	48 - 118			
Di-n-octylphthalate	4000.00	330	63	6666.67		60.0	46 - 131			
Dibenz(a,h)anthracene	3913.33	330	45	6666.67		58.7	43 - 113			
Dibenzofuran	3828.00	330	58	6666.67		57.4	50 - 113			
Diethyl phthalate	3786.67	330	58	6666.67		56.8	50 - 115			
Dimethyl phthalate	3848.00	330	40	6666.67		57.7	48 - 112			
Fluoranthene	4038.00	330	60	6666.67		60.6	40 - 119			
Fluorene	3800.00	330	110	6666.67		57.0	41 - 117			
Hexachlorobenzene	3982.67	330	55	6666.67		59.7	46 - 123			
Hexachlorobutadiene	3382.00	660	53	6666.67		50.7	37 - 104			
Hexachlorocyclopentadiene	2943.33	660	70	6666.67		44.1	30 - 128			
Hexachloroethane	3129.33	330	94	6666.67		46.9	38 - 103			
Indeno(1,2,3-cd)pyrene	4000.00	330	75	6666.67		60.0	43 - 113			
Isophorone	3694.67	330	85	6666.67		55.4	43 - 109			
N-Nitroso-di-n propylamine	3480.67	330	60	6666.67		52.2	44 - 111			
N-Nitrosodiphenylamine	3888.67	330	32	6666.67		58.3	48 - 113			
Naphthalene	3476.00	330	56	6666.67		52.1	38 - 103			
Nitrobenzene	3468.00	330	57	6666.67		52.0	40 - 111			
Pentachlorophenol	3912.67	1600	50	6666.67		58.7	33 - 130			
Phenanthrene	3937.33	330	67	6666.67		59.1	42 - 119			
Phenol	2993.33	330	34	6666.67		44.9	43 - 104			
Pyrene	4099.33	330	72	6666.67		61.5	38 - 120			
Pyridine	3186.67	1600	270	6666.67		47.8	0 - 72			
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Surrogate: 1,2-Dichlorobenzene-d4	3517			6666.67		52.8	23 - 102			
Surrogate: 2,4,6-Tribromophenol	7055			10000.0		70.5	3 - 138			
Surrogate: 2-Chlorophenol-d4	5588			10000.0		55.9	18 - 105			
Surrogate: 2-Fluorobiphenyl	4089			6666.67		61.3	34 - 106			
Surrogate: 2-Fluorophenol	5273			10000.0		52.7	16 - 94			
Surrogate: 4-Terphenyl-d14	4479			6666.67		67.2	31 - 130			
Surrogate: Nitrobenzene-d5	3921			6666.67		58.8	23 - 102			
Surrogate: Phenol-d6	5637			10000.0		56.4	14 - 104			

**Matrix Spike (B2C1344-MS1)**

**Source: 2200413-02**

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,2,4-Trichlorobenzene	3483.33	330	50	6666.67	ND	52.2	35 - 113			
1,2-Dichlorobenzene	3190.00	330	26	6666.67	ND	47.8	32 - 102			
1,3-Dichlorobenzene	3097.33	330	27	6666.67	ND	46.5	32 - 100			
1,4-Dichlorobenzene	3144.67	330	27	6666.67	ND	47.2	33 - 97			
2,4,5-Trichlorophenol	4020.00	330	30	6666.67	ND	60.3	36 - 124			
2,4,6-Trichlorophenol	3843.33	330	35	6666.67	ND	57.6	37 - 130			
2,4-Dichlorophenol	3691.33	1600	34	6666.67	ND	55.4	32 - 130			



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Reported : 05/12/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1344 - MSSEMI\_NAL (continued)**

**Matrix Spike (B2C1344-MS1) - Continued**

**Source: 2200413-02**

Prepared: 3/23/2022 Analyzed: 3/23/2022

2,4-Dimethylphenol	3806.67	330	26	6666.67	ND	57.1	30 - 128		
2,4-Dinitrophenol	3679.33	1600	86	6666.67	ND	55.2	0 - 203		
2,4-Dinitrotoluene	4023.33	330	33	6666.67	ND	60.3	21 - 168		
2,6-Dinitrotoluene	3823.33	330	49	6666.67	ND	57.3	31 - 152		
2-Chloronaphthalene	3648.00	330	28	6666.67	ND	54.7	33 - 130		
2-Chlorophenol	3252.00	330	31	6666.67	ND	48.8	32 - 106		
2-Methylnaphthalene	3590.00	330	27	6666.67	ND	53.8	33 - 125		
2-Methylphenol	3393.33	330	36	6666.67	ND	50.9	34 - 96		
2-Nitroaniline	3894.67	1600	43	6666.67	ND	58.4	30 - 146		
2-Nitrophenol	3531.33	330	45	6666.67	ND	53.0	22 - 125		
3,3'-Dichlorobenzidine	2980.67	660	280	6666.67	ND	44.7	19 - 144		
3-Nitroaniline	4066.00	1600	49	6666.67	ND	61.0	36 - 133		
4,6-Dinitro-2-methylphenol	3976.00	1600	41	6666.67	ND	59.6	0 - 196		
4-Bromophenyl-phenylether	3967.33	330	64	6666.67	ND	59.5	41 - 121		
4-Chloro-3-methylphenol	3890.67	660	71	6666.67	ND	58.4	39 - 134		
4-Chloroaniline	3820.00	660	53	6666.67	ND	57.3	37 - 115		
4-Chlorophenyl-phenylether	3900.00	330	33	6666.67	ND	58.5	34 - 133		
4-Methylphenol	1865.33	330	57	3333.33	ND	56.0	34 - 121		
4-Nitroaniline	4080.67	1600	37	6666.67	ND	61.2	30 - 138		
4-Nitrophenol	4026.00	330	64	6666.67	ND	60.4	5 - 154		
Acenaphthene	3760.00	330	43	6666.67	ND	56.4	33 - 121		
Acenaphthylene	3816.00	330	62	6666.67	ND	57.2	35 - 120		
Anthracene	3929.33	330	51	6666.67	ND	58.9	28 - 133		
Benzdine (M)	1805.33	1600	1400	6666.67	ND	27.1	8 - 175		
Benzo(a)anthracene	4011.33	330	44	6666.67	ND	60.2	32 - 127		
Benzo(a)pyrene	4069.33	330	64	6666.67	ND	61.0	35 - 127		
Benzo(b)fluoranthene	3962.00	330	65	6666.67	ND	59.4	29 - 126		
Benzo(g,h,i)perylene	3902.00	330	81	6666.67	ND	58.5	26 - 129		
Benzo(k)fluoranthene	4102.00	330	33	6666.67	ND	61.5	36 - 120		
Benzoic acid	ND	1600	890	6666.67	ND	NR	0 - 208		
Benzyl alcohol	3773.33	660	32	6666.67	39.3333	56.0	32 - 120		
bis(2-chloroethoxy)methane	3586.67	330	64	6666.67	ND	53.8	34 - 108		
bis(2-Chloroethyl)ether	3259.33	330	66	6666.67	ND	48.9	34 - 100		
bis(2-chloroisopropyl)ether	3221.33	330	76	6666.67	ND	48.3	21 - 111		
bis(2-ethylhexyl)phthalate	3876.67	330	63	6666.67	ND	58.2	39 - 131		
Butylbenzylphthalate	3944.67	330	41	6666.67	ND	59.2	39 - 129		
Chrysene	3884.00	330	84	6666.67	ND	58.3	33 - 126		
Di-n-butylphthalate	3944.67	330	51	6666.67	ND	59.2	42 - 122		
Di-n-octylphthalate	4170.67	330	63	6666.67	ND	62.6	30 - 147		
Dibenz(a,h)anthracene	3966.67	330	45	6666.67	ND	59.5	30 - 126		
Dibenzofuran	3778.67	330	58	6666.67	ND	56.7	36 - 133		
Diethyl phthalate	3904.67	330	58	6666.67	ND	58.6	28 - 139		
Dimethyl phthalate	3853.33	330	40	6666.67	ND	57.8	32 - 129		
Fluoranthene	4053.33	330	60	6666.67	ND	60.8	23 - 140		
Fluorene	3838.00	330	110	6666.67	ND	57.6	32 - 130		



## Certificate of Analysis

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Reported : 05/12/2022

### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1344 - MSSEMI\_NAL (continued)**

**Matrix Spike (B2C1344-MS1) - Continued**

Source: 2200413-02

Prepared: 3/23/2022 Analyzed: 3/23/2022

Hexachlorobenzene	3929.33	330	55	6666.67	ND	58.9	27 - 148			
Hexachlorobutadiene	3229.33	660	53	6666.67	ND	48.4	29 - 112			
Hexachlorocyclopentadiene	2998.67	660	70	6666.67	ND	45.0	13 - 147			
Hexachloroethane	3245.33	330	94	6666.67	ND	48.7	31 - 104			
Indeno(1,2,3-cd)pyrene	4061.33	330	75	6666.67	ND	60.9	21 - 137			
Isophorone	3695.33	330	85	6666.67	ND	55.4	34 - 112			
N-Nitroso-di-n propylamine	3636.67	330	60	6666.67	ND	54.6	36 - 115			
N-Nitrosodiphenylamine	3810.00	330	32	6666.67	ND	57.2	40 - 120			
Naphthalene	3430.67	330	56	6666.67	ND	51.5	33 - 108			
Nitrobenzene	3430.67	330	57	6666.67	ND	51.5	32 - 122			
Pentachlorophenol	4113.33	1600	50	6666.67	ND	61.7	0 - 151			
Phenanthrene	3948.67	330	67	6666.67	ND	59.2	40 - 122			
Phenol	3197.33	330	34	6666.67	ND	48.0	35 - 112			
Pyrene	4006.00	330	72	6666.67	ND	60.1	28 - 132			
Pyridine	3376.67	1600	270	6666.67	ND	50.6	5 - 107			
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Surrogate: 1,2-Dichlorobenzene-d4	3711			6666.67		55.7	23 - 102			
Surrogate: 2,4,6-Tribromophenol	7193			10000.0		71.9	3 - 138			
Surrogate: 2-Chlorophenol-d4	5487			10000.0		54.9	18 - 105			
Surrogate: 2-Fluorobiphenyl	4099			6666.67		61.5	34 - 106			
Surrogate: 2-Fluorophenol	5325			10000.0		53.2	16 - 94			
Surrogate: 4-Terphenyl-d14	4412			6666.67		66.2	31 - 130			
Surrogate: Nitrobenzene-d5	3925			6666.67		58.9	23 - 102			
Surrogate: Phenol-d6	5738			10000.0		57.4	14 - 104			

**Matrix Spike Dup (B2C1344-MSD1)**

Source: 2200413-02

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,2,4-Trichlorobenzene	4464.00	330	50	6666.67	ND	67.0	35 - 113	24.7	20	R
1,2-Dichlorobenzene	4007.33	330	26	6666.67	ND	60.1	32 - 102	22.7	20	R
1,3-Dichlorobenzene	3940.00	330	27	6666.67	ND	59.1	32 - 100	23.9	20	R
1,4-Dichlorobenzene	3963.33	330	27	6666.67	ND	59.4	33 - 97	23.0	20	R
2,4,5-Trichlorophenol	5160.00	330	30	6666.67	ND	77.4	36 - 124	24.8	20	R
2,4,6-Trichlorophenol	5056.00	330	35	6666.67	ND	75.8	37 - 130	27.3	20	R
2,4-Dichlorophenol	4762.00	1600	34	6666.67	ND	71.4	32 - 130	25.3	20	R
2,4-Dimethylphenol	4948.67	330	26	6666.67	ND	74.2	30 - 128	26.1	20	R
2,4-Dinitrophenol	4733.33	1600	86	6666.67	ND	71.0	0 - 203	25.1	20	R
2,4-Dinitrotoluene	5464.67	330	33	6666.67	ND	82.0	21 - 168	30.4	20	R
2,6-Dinitrotoluene	5365.33	330	49	6666.67	ND	80.5	31 - 152	33.6	20	R
2-Chloronaphthalene	4872.67	330	28	6666.67	ND	73.1	33 - 130	28.7	20	R
2-Chlorophenol	4240.67	330	31	6666.67	ND	63.6	32 - 106	26.4	20	R
2-Methylnaphthalene	4650.00	330	27	6666.67	ND	69.8	33 - 125	25.7	20	R
2-Methylphenol	4364.00	330	36	6666.67	ND	65.5	34 - 96	25.0	20	R
2-Nitroaniline	5576.67	1600	43	6666.67	ND	83.6	30 - 146	35.5	20	R
2-Nitrophenol	4758.67	330	45	6666.67	ND	71.4	22 - 125	29.6	20	R
3,3'-Dichlorobenzidine	4561.33	660	280	6666.67	ND	68.4	19 - 144	41.9	20	R
3-Nitroaniline	5566.67	1600	49	6666.67	ND	83.5	36 - 133	31.2	20	R
4,6-Dinitro-2-methylphenol	5236.67	1600	41	6666.67	ND	78.6	0 - 196	27.4	20	R





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## Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2C1344 - MSSEMI\_NAL (continued)

#### Matrix Spike Dup (B2C1344-MSD1) - Continued

Source: 2200413-02

Prepared: 3/23/2022 Analyzed: 3/23/2022

4-Bromophenyl-phenylether	5298.00	330	64	6666.67	ND	79.5	41 - 121	28.7	20	R
4-Chloro-3-methylphenol	5264.67	660	71	6666.67	ND	79.0	39 - 134	30.0	20	R
4-Chloroaniline	5046.00	660	53	6666.67	ND	75.7	37 - 115	27.7	20	R
4-Chlorophenyl-phenylether	5130.00	330	33	6666.67	ND	77.0	34 - 133	27.2	20	R
4-Methylphenol	2394.00	330	57	3333.33	ND	71.8	34 - 121	24.8	20	R
4-Nitroaniline	5580.00	1600	37	6666.67	ND	83.7	30 - 138	31.0	20	R
4-Nitrophenol	5287.33	330	64	6666.67	ND	79.3	5 - 154	27.1	20	R
Acenaphthene	5001.33	330	43	6666.67	ND	75.0	33 - 121	28.3	20	R
Acenaphthylene	4993.33	330	62	6666.67	ND	74.9	35 - 120	26.7	20	R
Anthracene	5346.00	330	51	6666.67	ND	80.2	28 - 133	30.5	20	R
Benzdine (M)	2462.00	1600	1400	6666.67	ND	36.9	8 - 175	30.8	20	R
Benzo(a)anthracene	5316.67	330	44	6666.67	ND	79.8	32 - 127	28.0	20	R
Benzo(a)pyrene	5393.33	330	64	6666.67	ND	80.9	35 - 127	28.0	20	R
Benzo(b)fluoranthene	5217.33	330	65	6666.67	ND	78.3	29 - 126	27.4	20	R
Benzo(g,h,i)perylene	5344.67	330	81	6666.67	ND	80.2	26 - 129	31.2	20	R
Benzo(k)fluoranthene	5587.33	330	33	6666.67	ND	83.8	36 - 120	30.7	20	R
Benzoic acid	ND	1600	890	6666.67	ND	NR	0 - 208	NR	20	
Benzyl alcohol	4613.33	660	32	6666.67	39.3333	68.6	32 - 120	20.0	20	R
bis(2-chloroethoxy)methane	4640.67	330	64	6666.67	ND	69.6	34 - 108	25.6	20	R
bis(2-Chloroethyl)ether	4156.67	330	66	6666.67	ND	62.4	34 - 100	24.2	20	R
bis(2-chloroisopropyl)ether	4086.00	330	76	6666.67	ND	61.3	21 - 111	23.7	20	R
bis(2-ethylhexyl)phthalate	5372.00	330	63	6666.67	ND	80.6	39 - 131	32.3	20	R
Butylbenzylphthalate	5406.00	330	41	6666.67	ND	81.1	39 - 129	31.3	20	R
Chrysene	5287.33	330	84	6666.67	ND	79.3	33 - 126	30.6	20	R
Di-n-butylphthalate	5349.33	330	51	6666.67	ND	80.2	42 - 122	30.2	20	R
Di-n-octylphthalate	5721.33	330	63	6666.67	ND	85.8	30 - 147	31.4	20	R
Dibenz(a,h)anthracene	5350.67	330	45	6666.67	ND	80.3	30 - 126	29.7	20	R
Dibenzofuran	5124.67	330	58	6666.67	ND	76.9	36 - 133	30.2	20	R
Diethyl phthalate	5298.00	330	58	6666.67	ND	79.5	28 - 139	30.3	20	R
Dimethyl phthalate	5255.33	330	40	6666.67	ND	78.8	32 - 129	30.8	20	R
Fluoranthene	5507.33	330	60	6666.67	ND	82.6	23 - 140	30.4	20	R
Fluorene	5214.67	330	110	6666.67	ND	78.2	32 - 130	30.4	20	R
Hexachlorobenzene	5343.33	330	55	6666.67	ND	80.1	27 - 148	30.5	20	R
Hexachlorobutadiene	4196.00	660	53	6666.67	ND	62.9	29 - 112	26.0	20	R
Hexachlorocyclopentadiene	4203.33	660	70	6666.67	ND	63.0	13 - 147	33.5	20	R
Hexachloroethane	3781.33	330	94	6666.67	ND	56.7	31 - 104	15.3	20	
Indeno(1,2,3-cd)pyrene	5493.33	330	75	6666.67	ND	82.4	21 - 137	30.0	20	R
Isophorone	4869.33	330	85	6666.67	ND	73.0	34 - 112	27.4	20	R
N-Nitroso-di-n propylamine	4664.00	330	60	6666.67	ND	70.0	36 - 115	24.8	20	R
N-Nitrosodiphenylamine	5154.67	330	32	6666.67	ND	77.3	40 - 120	30.0	20	R
Naphthalene	4442.00	330	56	6666.67	ND	66.6	33 - 108	25.7	20	R
Nitrobenzene	4328.67	330	57	6666.67	ND	64.9	32 - 122	23.1	20	R
Pentachlorophenol	5389.33	1600	50	6666.67	ND	80.8	0 - 151	26.9	20	R
Phenanthrene	5354.67	330	67	6666.67	ND	80.3	40 - 122	30.2	20	R
Phenol	3954.67	330	34	6666.67	ND	59.3	35 - 112	21.2	20	R



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### Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1344 - MSSEMI\_NAL (continued)**

**Matrix Spike Dup (B2C1344-MSD1) - Continued**

Source: 2200413-02

Prepared: 3/23/2022 Analyzed: 3/23/2022

Pyrene	5541.33	330	72	6666.67	ND	83.1	28 - 132	32.2	20	R
Pyridine	3928.67	1600	270	6666.67	ND	58.9	5 - 107	15.1	20	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>3944</i>			<i>6666.67</i>		<i>59.2</i>	<i>23 - 102</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>8232</i>			<i>10000.0</i>		<i>82.3</i>	<i>3 - 138</i>			
<i>Surrogate: 2-Chlorophenol-d4</i>	<i>6141</i>			<i>10000.0</i>		<i>61.4</i>	<i>18 - 105</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>4635</i>			<i>6666.67</i>		<i>69.5</i>	<i>34 - 106</i>			
<i>Surrogate: 2-Fluorophenol</i>	<i>5581</i>			<i>10000.0</i>		<i>55.8</i>	<i>16 - 94</i>			
<i>Surrogate: 4-Terphenyl-d14</i>	<i>5172</i>			<i>6666.67</i>		<i>77.6</i>	<i>31 - 130</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>4236</i>			<i>6666.67</i>		<i>63.5</i>	<i>23 - 102</i>			
<i>Surrogate: Phenol-d6</i>	<i>6165</i>			<i>10000.0</i>		<i>61.6</i>	<i>14 - 104</i>			

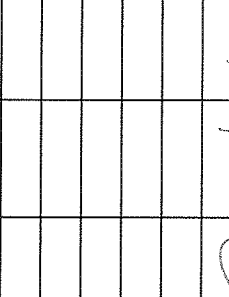
2200413

3.2°C

<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070				<b>PROJECT NAME:</b> Ontario Airport				<b>PROJECT NO.:</b> 5925															
<b>TEL:</b> (949) 679-1070				<b>E-MAIL:</b> yprobino@gsi-net.com / jcvoss@gsi-net.com				<b>LAB CONTACT:</b> Victoria Michel															
<b>LABORATORY:</b> Advanced Technology Laboratories				<b>GLOBAL ID:</b> yprobino@gsi-net.com / jcvoss@gsi-net.com				<b>SAMPLER(S): (PRINT)</b> Tiam Nabin / Josh Voss															
<b>TURNAROUND TIME:</b> <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD				<b>SPECIAL INSTRUCTIONS:</b> GRO = C4-C12; DRO = C13-C22; ORO = C23-C32				<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.															
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Status		Analytes															
		DATE	TIME			Unpreserved	Field Filtered	T22 6010B/747A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCFs 8081A	Herbicides 8051							
1	61W-1-11-1	3/18/22	0815	Soil	1	1		X															
2	61W-1-11-6		0824		6	2	4	X	X	X	X	X											
3	61W-1-10-1		0846		1	1		X															
4	61W-1-10-6		0853		6	2	4	X	X	X	X	X											
5	61W-1-6-1		0912		1	1		X															
6	61W-1-6-6		0920		6	2	4	X	X	X	X	X											
7	61W-1-9-1		0947		1	1		X															
8	61W-1-9-5.5		0954		5	1	4		X	X	X												
9	61W-1-9-14		0958		5	1	4		X	X	X												
10	61W-23-3-1		1052		1	1		X															
11	61W-23-3-5.5		1101		5	1	4		X	X	X												
12	61W-23-2-1		1125		1	1		X															
13	61W-23-2-5.5		1140	Water	5	1	4		X	X	X												
14	TB-20220318		1150	Water	4	4																	
15	61W-23-1-1		1203	Soil	1	1		X															
Relinquished by: (Signature)				[Signature]				Received by: (Signature)				[Signature]				Date: 3/18/22				Time: 14:40			
Relinquished by: (Signature)				[Signature]				Received by: (Signature)				[Signature]				Date: 3/16/22				Time: 15:10			
Relinquished by: (Signature)				[Signature]				Received by: (Signature)				[Signature]				Date:				Time:			

2200413

3.2°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		PROJECT NAME: Ontario Airport						
TEL: (949) 679-1070		PROJECT NO.: 5925						
E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		LAB CONTACT: Victoria Michel						
LABORATORY: Advanced Technology Laboratories		SAMPLER(S): (PRINT) Tiam Nabin / Josh Voss						
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.						
SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32		T22 6010B/7471A VOCs 8260B GRO 8015 DRO/ORO 8015 SVOCs 8270C PAHs 8270 SIM PCBs 8082 OCPs 8081A Herbicides 8051						
LAB USE ONLY	SAMPLE ID	DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered
16	61W-23-1-5.5	3/18/22	1208	Soil	5	1	4	
17	61W-8-1-1	↓	1237	↓	1	1		
18	61W-8-1-5.5	↓	1243	↓	5	1	4	
								
Relinquished by: (Signature)		Received by: (Signature)		Date: 3/18/22		Time: 14:40		
Relinquished by: (Signature)		Received by: (Signature)		Date: 3/18/22		Time: 15:10		
Relinquished by: (Signature)		Received by: (Signature)		Date:		Time:		

**Enviro - Chem, Inc.**

**1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907**

Date: March 28, 2022

Mr. Jerald Ancheta  
Advanced Technology Laboratories  
3275 Walnut Avenue  
Signal Hill, CA 90755  
Tel: (562) 989-4045 E-Mail: Jerald.Ancheta@ATLGlobal.com

Project: **Work Order 2200413**  
Lab I.D.: **220321-8, -9, -10**

Dear Mr. Ancheta:

The **analytical results** for the soil samples, received by our lab on March 21, 2022, are attached. The samples were received chilled, intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

  
Curtis Desilets  
Vice President

  
Pearl Wong  
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDS File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

**LABORATORY REPORT**

CUSTOMER: **Advanced Technology Laboratories**  
 3275 Walnut Avenue, Signal Hill, CA 90755  
 Tel: (562) 989-4045 E-Mail: [Jerald.Ancheta@ATLGlobal.com](mailto:Jerald.Ancheta@ATLGlobal.com)

PROJECT: **Work Order: 2200413**

MATRIX: SOIL DATE RECEIVED: 03/21/22  
 DATE SAMPLED: 03/18/22 DATE EXTRACTED: 03/23-24/22  
 REPORT TO: MR. JERALD ANCHETA DATE ANALYZED: 03/24/22  
 DATE REPORTED: 03/28/22


SAMPLE I.D.: **ATL Lab#: 2200413-01 / 61W-1-11-1**  
 LAB I.D.: 220321-8

**Chlorinated Herbicides Analysis**  
 Method: EPA 8151A  
 Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

**COMMENTS:**

DF = DILUTION FACTOR  
 PQL = PRACTICAL QUANTITATION LIMIT  
 ACTUAL DETECTION LIMIT = PQL X DF  
 ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

**LABORATORY REPORT**

CUSTOMER: **Advanced Technology Laboratories**  
 3275 Walnut Avenue, Signal Hill, CA 90755  
 Tel: (562) 989-4045 E-Mail: [Jerald.Ancheta@ATLGlobal.com](mailto:Jerald.Ancheta@ATLGlobal.com)

PROJECT: **Work Order: 2200413**

MATRIX: SOIL  
 DATE SAMPLED: 03/18/22  
 REPORT TO: MR. JERALD ANCHETA

DATE RECEIVED: 03/21/22  
 DATE EXTRACTED: 03/23-24/22  
 DATE ANALYZED: 03/24/22  
 DATE REPORTED: 03/28/22


SAMPLE I.D.: **ATL Lab#: 2200413-03 / 61W-1-10-1**  
 LAB I.D.: 220321-9

**Chlorinated Herbicides Analysis**  
 Method: EPA 8151A  
 Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

**COMMENTS:**

DF = DILUTION FACTOR  
 PQL = PRACTICAL QUANTITATION LIMIT  
 ACTUAL DETECTION LIMIT = PQL X DF  
 ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

**LABORATORY REPORT**

CUSTOMER: **Advanced Technology Laboratories**  
 3275 Walnut Avenue, Signal Hill, CA 90755  
 Tel: (562) 989-4045 E-Mail: [Jerald.Ancheta@ATLGlobal.com](mailto:Jerald.Ancheta@ATLGlobal.com)

PROJECT: **Work Order: 2200413**

MATRIX: SOIL DATE RECEIVED: 03/21/22  
 DATE SAMPLED: 03/18/22 DATE EXTRACTED: 03/23-24/22  
 REPORT TO: MR. JERALD ANCHETA DATE ANALYZED: 03/24/22  
 DATE REPORTED: 03/28/22

SAMPLE I.D.: **ATL Lab#: 2200413-05 / 61W-1-6-1**  
 LAB I.D.: 220321-10

**Chlorinated Herbicides Analysis**  
 Method: EPA 8151A  
 Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

**COMMENTS:**

DF = DILUTION FACTOR  
 PQL = PRACTICAL QUANTITATION LIMIT  
 ACTUAL DETECTION LIMIT = PQL X DF  
 ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: \_\_\_\_\_  
 CAL-DHS ELAP CERTIFICATE No.: 1555



**Enviro - Chem, Inc.**

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

**METHOD BLANK REPORT**

CUSTOMER: **Advanced Technology Laboratories**  
3275 Walnut Avenue, Signal Hill, CA 90755  
Tel: (562) 989-4045 E-Mail: [Jerald.Ancheta@ATLGlobal.com](mailto:Jerald.Ancheta@ATLGlobal.com)

PROJECT: **Work Order: 2200413**

MATRIX: SOIL  
DATE SAMPLED: 03/18/22  
REPORT TO: MR. JERALD ANCHETA

DATE RECEIVED: 03/21/22  
DATE EXTRACTED: 03/23-24/22  
DATE ANALYZED: 03/24/22  
DATE REPORTED: 03/28/22

METHOD BLANK FOR LAB I.D.: 220321-8, -9, -10

**Chlorinated Herbicides Analysis**

Method: EPA 8151A

Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1


**COMMENTS:**

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:   
CAL-DHS ELAP CERTIFICATE No.: 1555

# QA/QC Report

## Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid**  
 Unit: **mg/Kg (PPM)**

Date Analyzed: **3/24/2022**

**Matrix Spike (MS)/Matrix Spike Duplicate (MSD)**

**Spiked Sample Lab I.D.: 220321-9 MS/MSD**

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.050	0.060	119%	0.059	118%	1%	0-20%	50-150

**Lab Control Spike (LCS) Recovery:**

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.050	0.055	109%	70-130
2,4,5-TP	0.050	0.064	128%	70-130
Dinoseb	0.250	0.306	122%	70-130

**Surrogate Recovery:**

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
<b>Sample ID:</b>		M-BLK	220321-8	220321-9	220321-10				
DCAA	50-150	120%	104%	121%	112%				
<b>Sample ID:</b>									
DCAA	50-150								
<b>Sample ID:</b>									
DCAA	50-150								

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

\* = Surrogate fail due to matrix interference (If Marked)

Note: LCS, MS, MSD are in control therefore results are in control.

Analyzed and Reviewed By: HP Amy

Final Reviewer: (Signature)

**SUBCONTRACT ORDER**

**Work Order: 2200413**

**SENDING LABORATORY:**

Advanced Technology Laboratories  
 3275 Walnut Avenue  
 Signal Hill, CA 90755  
 Phone: 562.989.4045  
 Fax: 562.989.6348  
 Project Manager: Jerald Ancheta  
 (Jerald.Ancheta@atlglobal.com)  
 Sampler: \_Client Sampler

**RECEIVING LABORATORY:**

Enviro-Chem, Inc.  
 1214 East Lexington Avenue  
 Pomona, CA 91766  
 Phone : (909) 590-5905  
 Fax:  
 PO#: SC16095

**IMPORTANT : Please 'J-Flag' results to MDL. Please include Work Order # and PO # in your invoice.**

**QC Requirements:**

- Routine       MS/MSD
- Caltrans       Level IV\*
- DUP             Other: \_\_\_\_\_

**TAT Requirements:**

- Standard
- Rush \_\_\_\_\_ Days
- Fastest Possible

**EDD Requirements:**

- Standard Excel
- Geotracker EDF
- Equis
- Other: \_\_\_\_\_

\* All Level IV sample containers (including empty ones) must be returned to ATL 30 days after receipt.

Analysis	Expires	Sampled	Comments
ATL Lab#: 2200413-01 / 61W-1-11-1 8151_SUB [Chlorinated Herbicides]	Soil 04/01/22 08:15	03/18/22 08:15 Glass Jar - 2 oz	220321-8
ATL Lab#: 2200413-03 / 61W-1-10-1 8151_SUB [Chlorinated Herbicides]	Soil 04/01/22 08:46	03/18/22 08:46 Glass Jar - 2 oz	↓ -9 20Z jar

Prepared by: [Signature] 3/21/22  
 Sample Control Technician      Date

Inspected by: [Signature] 3/21/22  
 PM Lead / SC Lead      Date

Approved by: [Signature] 03/21/22  
 Dedicated ATL Project Manager      Date

[Signature] 3/21/22 12:30  
 Released By ATL Sample Control      Date      Time

Released By Courier      Date      Time

[Signature] 03/21/22 15:20  
 Released By      Date      Time

Received By Courier      Date      Time

[Signature] 03/21/22 1230  
 Received By Subcontract Laboratory      Date      Time

[Signature] 3/21/22 15:25  
 Received By      Date      Time

**SUBCONTRACT ORDER**

**Work Order: 2200413**

Analysis	Expires	Sampled	Comments
ATL Lab#: 2200413-05 / 61W-1-6-1 8151_SUB [Chlorinated Herbicides]	Soil 04/01/22 09:12	03/18/22 09:12 Glass Jar - 2 oz	

22032/-10

Prepared by: *[Signature]* 3/21/22  
 Sample Control Technician Date

Inspected by: *[Signature]* 3/21/22  
 PM Lead / SC Lead Date

Approved by: *[Signature]* 03/21/22  
 Dedicated ATL Project Manager Date

*[Signature]* 3/21/22 12:30  
 Released By ATL Sample Control Date Time

Released By Courier Date Time  
*[Signature]* 03/21/22 15:26  
 Released By Date Time

Received By Courier Date Time  
*[Signature]* 03/21/22 12:30

Received By Subcontract Laboratory Date Time  
*[Signature]* 3/21/22 15:25  
 Received By Date Time

May 12, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200428  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 21, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 05/12/22 15:31 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
61W-17A-3-1	2200428-01	Soil	3/21/22 7:59	3/21/22 16:49
61W-17A-3-5.5	2200428-02	Soil	3/21/22 8:08	3/21/22 16:49
61W-17A-1-1	2200428-03	Soil	3/21/22 8:28	3/21/22 16:49
61W-17A-1-5.5	2200428-04	Soil	3/21/22 8:36	3/21/22 16:49
61W-17A-1-10	2200428-05	Soil	3/21/22 8:40	3/21/22 16:49
61W-17A-1-15	2200428-06	Soil	3/21/22 8:44	3/21/22 16:49
61W-17A-2-1	2200428-07	Soil	3/21/22 9:02	3/21/22 16:49
61W-17A-2-5.5	2200428-08	Soil	3/21/22 9:10	3/21/22 16:49
61W-17A-4-1	2200428-09	Soil	3/21/22 9:40	3/21/22 16:49
61W-17A-4-5.5	2200428-10	Soil	3/21/22 9:48	3/21/22 16:49
61W-17A-5-1	2200428-11	Soil	3/21/22 10:14	3/21/22 16:49
61W-17A-5-5.5	2200428-12	Soil	3/21/22 10:28	3/21/22 16:49
61W-17A-6-1	2200428-13	Soil	3/21/22 10:50	3/21/22 16:49
61W-17A-6-5.5	2200428-14	Soil	3/21/22 11:00	3/21/22 16:49
TB-20220321	2200428-15	Water	3/21/22 11:05	3/21/22 16:49
61W-17A-7-1	2200428-16	Soil	3/21/22 12:05	3/21/22 16:49
61W-17A-7-5.5	2200428-17	Soil	3/21/22 12:20	3/21/22 16:49
61W-17A-8-1	2200428-18	Soil	3/21/22 12:42	3/21/22 16:49
61W-17A-8-5.5	2200428-19	Soil	3/21/22 12:58	3/21/22 16:49
61W-43-1-1	2200428-20	Soil	3/21/22 13:35	3/21/22 16:49
61W-43-1-5.5	2200428-21	Soil	3/21/22 13:45	3/21/22 16:49
EB-20220321	2200428-22	Water	3/21/22 14:00	3/21/22 16:49



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

### Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analyzed		
2200428-01	61W-17A-3-1	ND	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22	10:48	
2200428-03	61W-17A-1-1	ND	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22	11:01	
2200428-05	61W-17A-1-10	ND	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22	11:05	
2200428-07	61W-17A-2-1	ND	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22	11:08	
2200428-09	61W-17A-4-1	ND	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22	11:12	
2200428-11	61W-17A-5-1	ND	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22	11:23	
2200428-13	61W-17A-6-1	ND	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22	11:26	
2200428-16	61W-17A-7-1	ND	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22	11:30	
2200428-18	61W-17A-8-1	ND	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22	11:33	
2200428-20	61W-43-1-1	ND	mg/kg	0.10	1	B2C1345	03/23/2022	03/25/22	11:36	

Client Sample ID: 61W-17A-3-1

Lab ID: 2200428-01

### Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result		PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(mg/kg)	(mg/kg)					Analyzed		
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Arsenic	2.7	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Barium	120	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Beryllium	2.8	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Chromium	16	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Cobalt	5.7	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Copper	17	2.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Lead	6.9	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Nickel	7.2	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Selenium	2.5	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Silver	6.1	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Vanadium	30	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		
Zinc	53	1.0	1	B2C1372	03/24/2022	03/25/22	10:51		





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-17A-3-5.5**  
**Lab ID: 2200428-02**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 03:13	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 03:13	
<i>Surrogate: p-Terphenyl</i>	<i>107 %</i>	<i>62 - 141</i>		B2C1324	03/22/2022	<i>03/26/22 03:13</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1,1-Trichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1,2-Trichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1-Dichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,1-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2,3-Trichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2-Dibromoethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2-Dichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,2-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,3-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,3-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
1,4-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
2,2-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
2-Chlorotoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
4-Chlorotoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
4-Isopropyltoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Benzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Bromobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Bromochloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Bromodichloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Bromoform	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Bromomethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Carbon disulfide	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	



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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-17A-3-5.5**  
**Lab ID: 2200428-02**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Chlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Chloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Chloroform	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Chloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Di-isopropyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Dibromochloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Dibromomethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Dichlorodifluoromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Ethyl Acetate	ND	45	1	B2C1325	03/23/2022	03/23/22 12:30	
Ethyl Ether	ND	45	1	B2C1325	03/23/2022	03/23/22 12:30	
Ethyl tert-butyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Ethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Freon-113	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Hexachlorobutadiene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Isopropylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
m,p-Xylene	ND	8.9	1	B2C1325	03/23/2022	03/23/22 12:30	
Methylene chloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
MTBE	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
n-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
n-Propylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Naphthalene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
o-Xylene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
sec-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Styrene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
tert-Amyl methyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
tert-Butanol	ND	89	1	B2C1325	03/23/2022	03/23/22 12:30	
tert-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Tetrachloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Toluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
<b>Trichloroethene</b>	<b>8.8</b>	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Trichlorofluoromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	
Vinyl acetate	ND	45	1	B2C1325	03/23/2022	03/23/22 12:30	
Vinyl chloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 12:30	

Surrogate: 1,2-Dichloroethane-d4      177 %      66 - 200      B2C1325      03/23/2022      03/23/22 12:30  
 Surrogate: 4-Bromofluorobenzene      103 %      50 - 146      B2C1325      03/23/2022      03/23/22 12:30



## Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-17A-3-5.5**  
**Lab ID: 2200428-02**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	117 %	77 - 159		B2C1325	03/23/2022	03/23/22 12:30	
<i>Surrogate: Toluene-d8</i>	111 %	81 - 128		B2C1325	03/23/2022	03/23/22 12:30	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1453	03/29/2022	03/29/22 22:17	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.9 %	47.6 - 121.18		B2C1453	03/29/2022	03/29/22 22:17	

**Client Sample ID: 61W-17A-1-1**  
**Lab ID: 2200428-03**

### Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Arsenic</b>	<b>1.6</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Barium</b>	<b>140</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Beryllium</b>	<b>3.3</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Chromium</b>	<b>18</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Cobalt</b>	<b>6.7</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Copper</b>	<b>16</b>	2.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Lead</b>	<b>3.5</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Nickel</b>	<b>8.0</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Selenium</b>	<b>2.6</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Silver</b>	<b>7.1</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Vanadium</b>	<b>32</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	
<b>Zinc</b>	<b>50</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:52	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-17A-1-5.5**  
**Lab ID: 2200428-04**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 03:32	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 03:32	
<i>Surrogate: p-Terphenyl</i>	<i>117 %</i>	<i>62 - 141</i>		B2C1324	03/22/2022	<i>03/26/22 03:32</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1,1-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1,2-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,1-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2,3-Trichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2-Dibromoethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,3-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,3-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
1,4-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
2,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
2-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
4-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
4-Isopropyltoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Benzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Bromobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Bromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Bromodichloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Bromoform	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Bromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Carbon disulfide	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	



# Certificate of Analysis

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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-17A-1-5.5**  
**Lab ID: 2200428-04**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Chlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Chloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Chloroform	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Chloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Di-isopropyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Dibromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Dibromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Dichlorodifluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Ethyl Acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 12:55	
Ethyl Ether	ND	43	1	B2C1325	03/23/2022	03/23/22 12:55	
Ethyl tert-butyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Ethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Freon-113	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Hexachlorobutadiene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Isopropylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
m,p-Xylene	ND	8.6	1	B2C1325	03/23/2022	03/23/22 12:55	
Methylene chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
MTBE	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
n-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
n-Propylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Naphthalene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
o-Xylene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
sec-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Styrene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
tert-Amyl methyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
tert-Butanol	ND	86	1	B2C1325	03/23/2022	03/23/22 12:55	
tert-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Tetrachloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Toluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Trichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Trichlorofluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	
Vinyl acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 12:55	
Vinyl chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 12:55	

Surrogate: 1,2-Dichloroethane-d4      146 %      66 - 200      B2C1325      03/23/2022      03/23/22 12:55  
 Surrogate: 4-Bromofluorobenzene      98.5 %      50 - 146      B2C1325      03/23/2022      03/23/22 12:55



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-17A-1-5.5**

**Lab ID: 2200428-04**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	102 %	77 - 159		B2C1325	03/23/2022	03/23/22 12:55	
<i>Surrogate: Toluene-d8</i>	108 %	81 - 128		B2C1325	03/23/2022	03/23/22 12:55	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.90	1	B2C1453	03/29/2022	03/29/22 22:41	
<i>Surrogate: 4-Bromofluorobenzene</i>	78.7 %	47.6 - 121.18		B2C1453	03/29/2022	03/29/22 22:41	

**Client Sample ID: 61W-17A-1-10**

**Lab ID: 2200428-05**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Arsenic</b>	<b>2.0</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Barium</b>	<b>110</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Beryllium</b>	<b>2.8</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Chromium</b>	<b>17</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Cobalt</b>	<b>5.1</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Copper</b>	<b>13</b>	2.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Lead</b>	<b>3.9</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Molybdenum</b>	<b>1.9</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Nickel</b>	<b>5.5</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Selenium</b>	<b>2.3</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Silver</b>	<b>5.9</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Vanadium</b>	<b>26</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	
<b>Zinc</b>	<b>39</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:54	



# Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-17A-2-1**  
**Lab ID: 2200428-07**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Arsenic</b>	<b>2.0</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Barium</b>	<b>100</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Beryllium</b>	<b>2.7</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Cobalt</b>	<b>5.0</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Copper</b>	<b>12</b>	2.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Lead</b>	<b>3.6</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Nickel</b>	<b>5.9</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Selenium</b>	<b>2.8</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Silver</b>	<b>5.7</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Vanadium</b>	<b>27</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	
<b>Zinc</b>	<b>40</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:55	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: 61W-17A-2-5.5**

**Lab ID: 2200428-08**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 03:50	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 03:50	
<i>Surrogate: p-Terphenyl</i>	<i>105 %</i>	<i>62 - 141</i>		B2C1324	03/22/2022	<i>03/26/22 03:50</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1,1-Trichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1,2,2-Tetrachloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1,2-Trichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1-Dichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,1-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2,3-Trichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2,3-Trichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2,4-Trichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2,4-Trimethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2-Dibromo-3-chloropropane	ND	9.0	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2-Dibromoethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2-Dichloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,2-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,3,5-Trimethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,3-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,3-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
1,4-Dichlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
2,2-Dichloropropane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
2-Chlorotoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
4-Chlorotoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
4-Isopropyltoluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Benzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Bromobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Bromochloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Bromodichloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Bromoform	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Bromomethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Carbon disulfide	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	





## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-17A-2-5.5**  
**Lab ID: 2200428-08**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Chlorobenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Chloroethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Chloroform	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Chloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
cis-1,2-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
cis-1,3-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Di-isopropyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Dibromochloromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Dibromomethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Dichlorodifluoromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Ethyl Acetate	ND	45	1	B2C1325	03/23/2022	03/23/22 13:21	
Ethyl Ether	ND	45	1	B2C1325	03/23/2022	03/23/22 13:21	
Ethyl tert-butyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Ethylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Freon-113	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Hexachlorobutadiene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Isopropylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
m,p-Xylene	ND	9.0	1	B2C1325	03/23/2022	03/23/22 13:21	
Methylene chloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
MTBE	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
n-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
n-Propylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Naphthalene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
o-Xylene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
sec-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Styrene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
tert-Amyl methyl ether	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
tert-Butanol	ND	90	1	B2C1325	03/23/2022	03/23/22 13:21	
tert-Butylbenzene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Tetrachloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Toluene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
trans-1,2-Dichloroethene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
trans-1,3-Dichloropropene	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
<b>Trichloroethene</b>	<b>4.9</b>	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Trichlorofluoromethane	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	
Vinyl acetate	ND	45	1	B2C1325	03/23/2022	03/23/22 13:21	
Vinyl chloride	ND	4.5	1	B2C1325	03/23/2022	03/23/22 13:21	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>176 %</i>	<i>66 - 200</i>	B2C1325	03/23/2022	03/23/22 13:21
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>106 %</i>	<i>50 - 146</i>	B2C1325	03/23/2022	03/23/22 13:21



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-17A-2-5.5**

**Lab ID: 2200428-08**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	113 %	77 - 159		B2C1325	03/23/2022	03/23/22 13:21	
<i>Surrogate: Toluene-d8</i>	114 %	81 - 128		B2C1325	03/23/2022	03/23/22 13:21	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1453	03/29/2022	03/29/22 23:06	
<i>Surrogate: 4-Bromofluorobenzene</i>	88.7 %	47.6 - 121.18		B2C1453	03/29/2022	03/29/22 23:06	

**Client Sample ID: 61W-17A-4-1**

**Lab ID: 2200428-09**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Arsenic</b>	<b>2.7</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Barium</b>	<b>120</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Beryllium</b>	<b>3.2</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Chromium</b>	<b>17</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Cobalt</b>	<b>6.1</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Copper</b>	<b>13</b>	2.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Lead</b>	<b>3.8</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Nickel</b>	<b>6.4</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Selenium</b>	<b>2.5</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Silver</b>	<b>6.7</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Vanadium</b>	<b>33</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	
<b>Zinc</b>	<b>40</b>	1.0	1	B2C1372	03/24/2022	03/25/22 10:57	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: 61W-17A-4-5.5**

**Lab ID: 2200428-10**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(mg/kg)	(mg/kg)				Analyzed		
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22	04:10	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22	04:10	
<i>Surrogate: p-Terphenyl</i>	<i>98.2 %</i>	<i>62 - 141</i>		B2C1324	03/22/2022	03/26/22	04:10	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(ug/kg)	(ug/kg)				Analyzed		
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,1,1-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,1,2-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,1-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,1-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,1-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,2,3-Trichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1325	03/23/2022	03/23/22	13:47	
1,2-Dibromoethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,2-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,2-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,3-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,3-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
1,4-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
2,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
2-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
4-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
4-Isopropyltoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
Benzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
Bromobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
Bromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
Bromodichloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
Bromoform	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
Bromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	
Carbon disulfide	ND	4.3	1	B2C1325	03/23/2022	03/23/22	13:47	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-17A-4-5.5**  
**Lab ID: 2200428-10**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Chlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Chloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Chloroform	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Chloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Di-isopropyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Dibromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Dibromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Dichlorodifluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Ethyl Acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 13:47	
Ethyl Ether	ND	43	1	B2C1325	03/23/2022	03/23/22 13:47	
Ethyl tert-butyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Ethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Freon-113	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Hexachlorobutadiene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Isopropylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
m,p-Xylene	ND	8.6	1	B2C1325	03/23/2022	03/23/22 13:47	
Methylene chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
MTBE	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
n-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
n-Propylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Naphthalene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
o-Xylene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
sec-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Styrene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
tert-Amyl methyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
tert-Butanol	ND	86	1	B2C1325	03/23/2022	03/23/22 13:47	
tert-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Tetrachloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Toluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
<b>Trichloroethene</b>	<b>7.1</b>	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Trichlorofluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	
Vinyl acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 13:47	
Vinyl chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 13:47	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>174 %</i>	<i>66 - 200</i>	B2C1325	03/23/2022	03/23/22 13:47
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>105 %</i>	<i>50 - 146</i>	B2C1325	03/23/2022	03/23/22 13:47



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-17A-4-5.5**  
**Lab ID: 2200428-10**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	118 %	77 - 159		B2C1325	03/23/2022	03/23/22 13:47	
Surrogate: Toluene-d8	110 %	81 - 128		B2C1325	03/23/2022	03/23/22 13:47	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1453	03/29/2022	03/29/22 23:30	
Surrogate: 4-Bromofluorobenzene	93.4 %	47.6 - 121.18		B2C1453	03/29/2022	03/29/22 23:30	

**Client Sample ID: 61W-17A-5-1**  
**Lab ID: 2200428-11**

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Arsenic	1.1	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Barium	110	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Beryllium	2.5	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Chromium	14	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Cobalt	5.1	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Copper	12	2.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Lead	2.8	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Nickel	6.2	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Selenium	2.9	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Silver	5.4	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Vanadium	26	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	
Zinc	39	1.0	1	B2C1372	03/24/2022	03/25/22 11:35	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-17A-5-5.5**

**Lab ID: 2200428-12**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 04:28	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 04:28	
<i>Surrogate: p-Terphenyl</i>	<i>101 %</i>	<i>62 - 141</i>		B2C1324	03/22/2022	<i>03/26/22 04:28</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1,1-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1,2-Trichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,1-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2,3-Trichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2-Dibromoethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2-Dichloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,3-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,3-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
1,4-Dichlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
2,2-Dichloropropane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
2-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
4-Chlorotoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
4-Isopropyltoluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Benzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Bromobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Bromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Bromodichloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Bromoform	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Bromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Carbon disulfide	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-17A-5-5.5**  
**Lab ID: 2200428-12**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Chlorobenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Chloroethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Chloroform	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Chloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Di-isopropyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Dibromochloromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Dibromomethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Dichlorodifluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Ethyl Acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 14:12	
Ethyl Ether	ND	43	1	B2C1325	03/23/2022	03/23/22 14:12	
Ethyl tert-butyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Ethylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Freon-113	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Hexachlorobutadiene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Isopropylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
m,p-Xylene	ND	8.5	1	B2C1325	03/23/2022	03/23/22 14:12	
Methylene chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
MTBE	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
n-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
n-Propylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Naphthalene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
o-Xylene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
sec-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Styrene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
tert-Amyl methyl ether	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
tert-Butanol	ND	85	1	B2C1325	03/23/2022	03/23/22 14:12	
tert-Butylbenzene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Tetrachloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Toluene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
<b>Trichloroethene</b>	<b>6.6</b>	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Trichlorofluoromethane	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	
Vinyl acetate	ND	43	1	B2C1325	03/23/2022	03/23/22 14:12	
Vinyl chloride	ND	4.3	1	B2C1325	03/23/2022	03/23/22 14:12	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>159 %</i>	<i>66 - 200</i>	B2C1325	03/23/2022	<i>03/23/22 14:12</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.9 %</i>	<i>50 - 146</i>	B2C1325	03/23/2022	<i>03/23/22 14:12</i>



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-17A-5-5.5**  
**Lab ID: 2200428-12**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	109 %	77 - 159		B2C1325	03/23/2022	03/23/22 14:12	
<i>Surrogate: Toluene-d8</i>	107 %	81 - 128		B2C1325	03/23/2022	03/23/22 14:12	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.84	1	B2C1453	03/29/2022	03/29/22 23:55	
<i>Surrogate: 4-Bromofluorobenzene</i>	89.4 %	47.6 - 121.18		B2C1453	03/29/2022	03/29/22 23:55	

**Client Sample ID: 61W-17A-6-1**  
**Lab ID: 2200428-13**

#### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Arsenic	1.7	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Barium	84	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Beryllium	2.4	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Chromium	12	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Cobalt	4.4	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Copper	7.5	2.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Lead	2.8	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Nickel	5.5	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Selenium	2.4	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Silver	5.1	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Vanadium	23	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	
Zinc	34	1.0	1	B2C1372	03/24/2022	03/25/22 11:36	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-17A-6-5.5**  
**Lab ID: 2200428-14**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 04:47	
<b>C23-C32</b>	<b>14</b>	10	1	B2C1324	03/22/2022	03/26/22 04:47	
<i>Surrogate: p-Terphenyl</i>	<i>98.3 %</i>	<i>62 - 141</i>		B2C1324	03/22/2022	<i>03/26/22 04:47</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1,1-Trichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1,2-Trichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1-Dichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,1-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2,3-Trichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2-Dibromoethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2-Dichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,2-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,3-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,3-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
1,4-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
2,2-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
2-Chlorotoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
4-Chlorotoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
4-Isopropyltoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Benzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Bromobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Bromochloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Bromodichloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Bromoform	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Bromomethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Carbon disulfide	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	



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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-17A-6-5.5**  
**Lab ID: 2200428-14**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Chlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Chloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Chloroform	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Chloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Di-isopropyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Dibromochloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Dibromomethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Dichlorodifluoromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Ethyl Acetate	ND	41	1	B2C1325	03/23/2022	03/23/22 14:38	
Ethyl Ether	ND	41	1	B2C1325	03/23/2022	03/23/22 14:38	
Ethyl tert-butyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Ethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Freon-113	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Hexachlorobutadiene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Isopropylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
m,p-Xylene	ND	8.2	1	B2C1325	03/23/2022	03/23/22 14:38	
Methylene chloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
MTBE	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
n-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
n-Propylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Naphthalene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
o-Xylene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
sec-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Styrene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
tert-Amyl methyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
tert-Butanol	ND	82	1	B2C1325	03/23/2022	03/23/22 14:38	
tert-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Tetrachloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Toluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
<b>Trichloroethene</b>	<b>22</b>	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Trichlorofluoromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	
Vinyl acetate	ND	41	1	B2C1325	03/23/2022	03/23/22 14:38	
Vinyl chloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 14:38	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>157 %</i>	<i>66 - 200</i>	B2C1325	03/23/2022	<i>03/23/22 14:38</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>103 %</i>	<i>50 - 146</i>	B2C1325	03/23/2022	<i>03/23/22 14:38</i>



## Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-17A-6-5.5**  
**Lab ID: 2200428-14**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	104 %	77 - 159		B2C1325	03/23/2022	03/23/22 14:38	
Surrogate: Toluene-d8	110 %	81 - 128		B2C1325	03/23/2022	03/23/22 14:38	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1453	03/30/2022	03/30/22 00:19	
Surrogate: 4-Bromofluorobenzene	91.0 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 00:19	

**Client Sample ID: 61W-17A-7-1**  
**Lab ID: 2200428-16**

### Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Arsenic	2.1	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Barium	100	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Beryllium	2.8	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Chromium	15	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Cobalt	6.8	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Copper	10	2.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Lead	3.2	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Nickel	6.5	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Selenium	2.5	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Silver	5.9	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Vanadium	28	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	
Zinc	36	1.0	1	B2C1372	03/24/2022	03/25/22 11:38	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: 61W-17A-7-5.5**

**Lab ID: 2200428-17**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(mg/kg)	(mg/kg)				Analyzed		
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22	05:06	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22	05:06	
<i>Surrogate: p-Terphenyl</i>	<i>93.6 %</i>	<i>62 - 141</i>		B2C1324	03/22/2022	03/26/22	05:06	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(ug/kg)	(ug/kg)				Analyzed		
1,1,1,2-Tetrachloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,1,1-Trichloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,1,2,2-Tetrachloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,1,2-Trichloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,1-Dichloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,1-Dichloroethene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,1-Dichloropropene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,2,3-Trichloropropane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,2,3-Trichlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,2,4-Trichlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,2,4-Trimethylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1325	03/23/2022	03/23/22	15:03	
1,2-Dibromoethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,2-Dichlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,2-Dichloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,2-Dichloropropane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,3,5-Trimethylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,3-Dichlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,3-Dichloropropane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
1,4-Dichlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
2,2-Dichloropropane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
2-Chlorotoluene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
4-Chlorotoluene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
4-Isopropyltoluene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
Benzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
Bromobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
Bromochloromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
Bromodichloromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
Bromoform	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
Bromomethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	
Carbon disulfide	ND	5.4	1	B2C1325	03/23/2022	03/23/22	15:03	



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

**Client Sample ID: 61W-17A-7-5.5**  
**Lab ID: 2200428-17**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Chlorobenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Chloroethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Chloroform	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Chloromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
cis-1,2-Dichloroethene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
cis-1,3-Dichloropropene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Di-isopropyl ether	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Dibromochloromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Dibromomethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Dichlorodifluoromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Ethyl Acetate	ND	54	1	B2C1325	03/23/2022	03/23/22 15:03	
Ethyl Ether	ND	54	1	B2C1325	03/23/2022	03/23/22 15:03	
Ethyl tert-butyl ether	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Ethylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Freon-113	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Hexachlorobutadiene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Isopropylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
m,p-Xylene	ND	11	1	B2C1325	03/23/2022	03/23/22 15:03	
Methylene chloride	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
MTBE	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
n-Butylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
n-Propylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Naphthalene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
o-Xylene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
sec-Butylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Styrene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
tert-Amyl methyl ether	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
tert-Butanol	ND	110	1	B2C1325	03/23/2022	03/23/22 15:03	
tert-Butylbenzene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Tetrachloroethene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Toluene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
trans-1,2-Dichloroethene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
trans-1,3-Dichloropropene	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
<b>Trichloroethene</b>	<b>73</b>	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Trichlorofluoromethane	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	
Vinyl acetate	ND	54	1	B2C1325	03/23/2022	03/23/22 15:03	
Vinyl chloride	ND	5.4	1	B2C1325	03/23/2022	03/23/22 15:03	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>155 %</i>	<i>66 - 200</i>	B2C1325	03/23/2022	03/23/22 15:03
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>100 %</i>	<i>50 - 146</i>	B2C1325	03/23/2022	03/23/22 15:03



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: 61W-17A-7-5.5**

**Lab ID: 2200428-17**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	111 %	77 - 159		B2C1325	03/23/2022	03/23/22 15:03	
<i>Surrogate: Toluene-d8</i>	111 %	81 - 128		B2C1325	03/23/2022	03/23/22 15:03	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C1453	03/30/2022	03/30/22 00:44	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.1 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 00:44	

**Client Sample ID: 61W-17A-8-1**

**Lab ID: 2200428-18**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Arsenic</b>	<b>1.8</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Barium</b>	<b>78</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Beryllium</b>	<b>2.3</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Cobalt</b>	<b>4.2</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Copper</b>	<b>8.1</b>	2.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Lead</b>	<b>3.3</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Nickel</b>	<b>5.5</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Selenium</b>	<b>2.4</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Silver</b>	<b>4.6</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Vanadium</b>	<b>22</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	
<b>Zinc</b>	<b>32</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:40	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-17A-8-5.5**  
**Lab ID: 2200428-19**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 05:24	
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 05:24	
<i>Surrogate: p-Terphenyl</i>	<i>103 %</i>	<i>62 - 141</i>		B2C1324	03/22/2022	<i>03/26/22 05:24</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1,1-Trichloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1,2-Trichloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1-Dichloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1-Dichloroethene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,1-Dichloropropene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2,3-Trichloropropane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2-Dibromo-3-chloropropane	ND	9.2	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2-Dibromoethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2-Dichlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2-Dichloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,2-Dichloropropane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,3-Dichlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,3-Dichloropropane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
1,4-Dichlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
2,2-Dichloropropane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
2-Chlorotoluene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
4-Chlorotoluene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
4-Isopropyltoluene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Benzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Bromobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Bromochloromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Bromodichloromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Bromoform	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Bromomethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Carbon disulfide	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	



# Certificate of Analysis

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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-17A-8-5.5**  
**Lab ID: 2200428-19**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Chlorobenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Chloroethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Chloroform	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Chloromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Di-isopropyl ether	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Dibromochloromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Dibromomethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Dichlorodifluoromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Ethyl Acetate	ND	46	1	B2C1325	03/23/2022	03/23/22 15:29	
Ethyl Ether	ND	46	1	B2C1325	03/23/2022	03/23/22 15:29	
Ethyl tert-butyl ether	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Ethylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Freon-113	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Hexachlorobutadiene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Isopropylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
m,p-Xylene	ND	9.2	1	B2C1325	03/23/2022	03/23/22 15:29	
Methylene chloride	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
MTBE	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
n-Butylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
n-Propylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Naphthalene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
o-Xylene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
sec-Butylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Styrene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
tert-Amyl methyl ether	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
tert-Butanol	ND	92	1	B2C1325	03/23/2022	03/23/22 15:29	
tert-Butylbenzene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Tetrachloroethene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Toluene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
<b>Trichloroethene</b>	<b>20</b>	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Trichlorofluoromethane	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	
Vinyl acetate	ND	46	1	B2C1325	03/23/2022	03/23/22 15:29	
Vinyl chloride	ND	4.6	1	B2C1325	03/23/2022	03/23/22 15:29	

Surrogate: 1,2-Dichloroethane-d4      176 %      66 - 200      B2C1325      03/23/2022      03/23/22 15:29  
 Surrogate: 4-Bromofluorobenzene      103 %      50 - 146      B2C1325      03/23/2022      03/23/22 15:29





## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-17A-8-5.5**

**Lab ID: 2200428-19**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	117 %	77 - 159		B2C1325	03/23/2022	03/23/22 15:29	
<i>Surrogate: Toluene-d8</i>	113 %	81 - 128		B2C1325	03/23/2022	03/23/22 15:29	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1453	03/30/2022	03/30/22 01:08	
<i>Surrogate: 4-Bromofluorobenzene</i>	95.1 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 01:08	

**Client Sample ID: 61W-43-1-1**

**Lab ID: 2200428-20**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Arsenic	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
<b>Barium</b>	<b>93</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
<b>Beryllium</b>	<b>1.9</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Cadmium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
<b>Chromium</b>	<b>12</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
<b>Cobalt</b>	<b>4.6</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
<b>Copper</b>	<b>9.4</b>	2.0	1	B2C1372	03/24/2022	03/25/22 11:41	
<b>Lead</b>	<b>2.4</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Molybdenum	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
<b>Nickel</b>	<b>5.2</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
<b>Selenium</b>	<b>2.0</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
<b>Silver</b>	<b>3.8</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
Thallium	ND	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
<b>Vanadium</b>	<b>19</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	
<b>Zinc</b>	<b>32</b>	1.0	1	B2C1372	03/24/2022	03/25/22 11:41	



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: 61W-43-1-5.5**

**Lab ID: 2200428-21**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(mg/kg)	(mg/kg)				Analyzed		
C13-C23	ND	10	1	B2C1324	03/22/2022	03/26/22 05:42		
C23-C32	ND	10	1	B2C1324	03/22/2022	03/26/22 05:42		
<i>Surrogate: p-Terphenyl</i>	<i>92.7 %</i>	<i>62 - 141</i>		B2C1324	03/22/2022	<i>03/26/22 05:42</i>		

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time		Notes
	(ug/kg)	(ug/kg)				Analyzed		
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,1,1-Trichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,1,2-Trichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,1-Dichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,1-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,1-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,2,3-Trichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1325	03/23/2022	03/23/22 15:55		
1,2-Dibromoethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,2-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,2-Dichloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,2-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,3-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,3-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
1,4-Dichlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
2,2-Dichloropropane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
2-Chlorotoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
4-Chlorotoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
4-Isopropyltoluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
Benzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
Bromobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
Bromochloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
Bromodichloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
Bromoform	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
Bromomethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		
Carbon disulfide	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55		



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-43-1-5.5**  
**Lab ID: 2200428-21**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Chlorobenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Chloroethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Chloroform	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Chloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Di-isopropyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Dibromochloromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Dibromomethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Dichlorodifluoromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Ethyl Acetate	ND	41	1	B2C1325	03/23/2022	03/23/22 15:55	
Ethyl Ether	ND	41	1	B2C1325	03/23/2022	03/23/22 15:55	
Ethyl tert-butyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Ethylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Freon-113	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Hexachlorobutadiene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Isopropylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
m,p-Xylene	ND	8.2	1	B2C1325	03/23/2022	03/23/22 15:55	
Methylene chloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
MTBE	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
n-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
n-Propylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Naphthalene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
o-Xylene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
sec-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Styrene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
tert-Amyl methyl ether	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
tert-Butanol	ND	82	1	B2C1325	03/23/2022	03/23/22 15:55	
tert-Butylbenzene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Tetrachloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Toluene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Trichloroethene	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Trichlorofluoromethane	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Vinyl acetate	ND	41	1	B2C1325	03/23/2022	03/23/22 15:55	
Vinyl chloride	ND	4.1	1	B2C1325	03/23/2022	03/23/22 15:55	
Surrogate: 1,2-Dichloroethane-d4	164 %	66 - 200		B2C1325	03/23/2022	03/23/22 15:55	
Surrogate: 4-Bromofluorobenzene	105 %	50 - 146		B2C1325	03/23/2022	03/23/22 15:55	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: 61W-43-1-5.5**  
**Lab ID: 2200428-21**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	112 %	77 - 159		B2C1325	03/23/2022	03/23/22 15:55	
<i>Surrogate: Toluene-d8</i>	111 %	81 - 128		B2C1325	03/23/2022	03/23/22 15:55	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.79	1	B2C1453	03/30/2022	03/30/22 01:32	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.4 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 01:32	



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### QUALITY CONTROL SECTION

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1453 - GCVOA_S</b>										
<b>Blank (B2C1453-BLK1)</b>										
						Prepared: 3/29/2022 Analyzed: 3/29/2022				
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6373</i>			<i>0.800000</i>		<i>79.7</i>	<i>47.6 - 121.18</i>			
<b>LCS (B2C1453-BS1)</b>										
						Prepared: 3/29/2022 Analyzed: 3/29/2022				
Gasoline Range Organics	5.72400	1.0	0.13	5.00000		114	68.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7454</i>			<i>0.800000</i>		<i>93.2</i>	<i>47.6 - 121.18</i>			
<b>LCS Dup (B2C1453-BS1)</b>										
						Prepared: 3/29/2022 Analyzed: 3/29/2022				
Gasoline Range Organics	5.75300	1.0	0.13	5.00000		115	68.69 - 124.04	0.505	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7309</i>			<i>0.800000</i>		<i>91.4</i>	<i>47.6 - 121.18</i>			



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Project Number : Ontario Airport / 5925  
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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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#### Batch B2C1372 - EPA 3050B\_S

##### Blank (B2C1372-BLK1)

Prepared: 3/24/2022 Analyzed: 3/25/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

##### LCS (B2C1372-BS1)

Prepared: 3/24/2022 Analyzed: 3/25/2022

Antimony	24.8063	2.0	0.51	25.0000	99.2	80 - 120
Arsenic	25.2936	1.0	0.12	25.0000	101	80 - 120
Barium	25.1632	1.0	0.12	25.0000	101	80 - 120
Beryllium	25.0314	1.0	0.03	25.0100	100	80 - 120
Cadmium	25.8212	1.0	0.14	25.0000	103	80 - 120
Chromium	25.1029	1.0	0.26	25.0000	100	80 - 120
Cobalt	23.9986	1.0	0.07	25.0000	96.0	80 - 120
Copper	25.0194	2.0	0.19	25.0000	100	80 - 120
Lead	27.0439	1.0	0.18	25.0000	108	80 - 120
Molybdenum	26.1823	1.0	0.12	25.0000	105	80 - 120
Nickel	24.7949	1.0	0.18	25.0000	99.2	80 - 120
Selenium	26.3406	1.0	0.40	25.0000	105	80 - 120
Silver	12.8261	1.0	0.12	12.5000	103	80 - 120
Thallium	25.0943	1.0	0.38	25.0000	100	80 - 120
Vanadium	23.4430	1.0	0.06	25.0000	93.8	80 - 120
Zinc	27.0750	1.0	0.15	25.0000	108	80 - 120

##### Matrix Spike (B2C1372-MS1)

Source: 2200427-01

Prepared: 3/24/2022 Analyzed: 3/25/2022

Antimony	10.5782	2.0	0.51	25.0000	6.28460	17.2	0 - 102	
Arsenic	63.4553	1.0	0.12	25.0000	31.4828	128	55 - 117	M2
Barium	453.237	1.0	0.12	25.0000	344.540	435	11 - 177	M2
Beryllium	20.0652	1.0	0.03	25.0100	2.87909	68.7	64 - 115	
Cadmium	27.0155	1.0	0.14	25.0000	3.66358	93.4	62 - 116	
Chromium	72.2356	1.0	0.26	25.0000	46.7479	102	42 - 145	
Cobalt	48.9076	1.0	0.07	25.0000	23.7172	101	60 - 126	
Copper	2154.32	20	1.9	25.0000	1943.98	841	37 - 163	M2
Lead	28.9810	1.0	0.18	25.0000	16.1810	51.2	26 - 161	



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1372 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1372-MS1) - Continued**

**Source: 2200427-01**

Prepared: 3/24/2022 Analyzed: 3/25/2022

Molybdenum	17.0920	1.0	0.12	25.0000	1.88536	60.8	31 - 122			
Nickel	34.4945	1.0	0.18	25.0000	19.9829	58.0	52 - 130			
Selenium	43.4645	1.0	0.40	25.0000	6.25446	149	25 - 129			M2
Silver	22.5313	1.0	0.12	12.5000	7.21625	123	48 - 133			
Thallium	14.2682	1.0	0.38	25.0000	ND	57.1	25 - 119			
Vanadium	93.9807	1.0	0.06	25.0000	61.9914	128	51 - 141			
Zinc	373.718	1.0	0.15	25.0000	300.758	292	8 - 170			M2

**Matrix Spike Dup (B2C1372-MSD1)**

**Source: 2200427-01**

Prepared: 3/24/2022 Analyzed: 3/25/2022

Antimony	9.78882	2.0	0.51	25.0000	6.28460	14.0	0 - 102	7.75	20	
Arsenic	63.0550	1.0	0.12	25.0000	31.4828	126	55 - 117	0.633	20	M2
Barium	443.924	1.0	0.12	25.0000	344.540	398	11 - 177	2.08	20	M2
Beryllium	19.7044	1.0	0.03	25.0100	2.87909	67.3	64 - 115	1.81	20	
Cadmium	26.9181	1.0	0.14	25.0000	3.66358	93.0	62 - 116	0.361	20	
Chromium	70.8262	1.0	0.26	25.0000	46.7479	96.3	42 - 145	1.97	20	
Cobalt	48.6995	1.0	0.07	25.0000	23.7172	99.9	60 - 126	0.427	20	
Copper	2029.53	20	1.9	25.0000	1943.98	342	37 - 163	5.97	20	M2
Lead	28.0236	1.0	0.18	25.0000	16.1810	47.4	26 - 161	3.36	20	
Molybdenum	16.6594	1.0	0.12	25.0000	1.88536	59.1	31 - 122	2.56	20	
Nickel	33.1605	1.0	0.18	25.0000	19.9829	52.7	52 - 130	3.94	20	
Selenium	43.0191	1.0	0.40	25.0000	6.25446	147	25 - 129	1.03	20	M2
Silver	21.9074	1.0	0.12	12.5000	7.21625	118	48 - 133	2.81	20	
Thallium	13.9322	1.0	0.38	25.0000	ND	55.7	25 - 119	2.38	20	
Vanadium	92.9219	1.0	0.06	25.0000	61.9914	124	51 - 141	1.13	20	
Zinc	347.137	1.0	0.15	25.0000	300.758	186	8 - 170	7.37	20	M2



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1345 - EPA 7471_S</b>										
<b>Blank (B2C1345-BLK1)</b>										
Mercury	ND	0.10	0.01							Prepared: 3/23/2022 Analyzed: 3/25/2022
<b>LCS (B2C1345-BS1)</b>										
Mercury	0.418616	0.10	0.01	0.416667		100	80 - 120			Prepared: 3/23/2022 Analyzed: 3/25/2022
<b>Matrix Spike (B2C1345-MS1)</b>										
										<b>Source: 2200428-01</b> Prepared: 3/23/2022 Analyzed: 3/25/2022
Mercury	0.429584	0.10	0.01	0.416667	0.055748	89.7	70 - 130			
<b>Matrix Spike Dup (B2C1345-MSD1)</b>										
										<b>Source: 2200428-01</b> Prepared: 3/23/2022 Analyzed: 3/25/2022
Mercury	0.435436	0.10	0.01	0.416667	0.055748	91.1	70 - 130	1.35	20	





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Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C1345 - EPA 7471\_S

Post Spike (B2C1345-PS1)

Source: 2200428-01

Prepared: 3/23/2022 Analyzed: 3/25/2022

Mercury	0.005276		5.00000E-3	0.000669	92.1	85 - 115			
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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes	
<b>Batch B2C1324 - GCSEMI_DRO_S</b>											
<b>Blank (B2C1324-BLK1)</b>					Prepared: 3/22/2022 Analyzed: 3/25/2022						
C13-C23	ND	10	3.6								
C23-C32	ND	10	3.6								
<hr/>											
<i>Surrogate: p-Terphenyl</i>	68.40			80.0000		85.5	62 - 141				
<b>LCS (B2C1324-BS1)</b>					Prepared: 3/22/2022 Analyzed: 3/25/2022						
DRO	911.091	10	3.6	1000.00		91.1	56 - 139				
<hr/>											
<i>Surrogate: p-Terphenyl</i>	75.04			80.0000		93.8	62 - 141				
<b>Matrix Spike (B2C1324-MS1)</b>					<b>Source: 2200416-05</b>			Prepared: 3/22/2022 Analyzed: 3/25/2022			
DRO	821.299	10	3.6	1000.00	ND	82.1	38 - 161				
<hr/>											
<i>Surrogate: p-Terphenyl</i>	89.06			80.0000		111	62 - 141				
<b>Matrix Spike Dup (B2C1324-MSD1)</b>					<b>Source: 2200416-05</b>			Prepared: 3/22/2022 Analyzed: 3/26/2022			
DRO	868.978	10	3.6	1000.00	ND	86.9	38 - 161	5.64	20		
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<i>Surrogate: p-Terphenyl</i>	92.16			80.0000		115	62 - 141				



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 Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1325 - MSVOA\_S**

**Blank (B2C1325-BLK1)**

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



## Certificate of Analysis

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Project Number : Ontario Airport / 5925

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Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1325 - MSVOA\_S (continued)**

**Blank (B2C1325-BLK1) - Continued**

Prepared: 3/23/2022 Analyzed: 3/23/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	70.94			50.0000	142	66 - 200		
<i>Surrogate: 4-Bromofluorobenzene</i>	51.48			50.0000	103	50 - 146		
<i>Surrogate: Dibromofluoromethane</i>	52.80			50.0000	106	77 - 159		
<i>Surrogate: Toluene-d8</i>	54.84			50.0000	110	81 - 128		

**LCS (B2C1325-BS1)**

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,1,1,2-Tetrachloroethane	48.7300	5.0	0.52	50.0000	97.5	84 - 123		
1,1,1-Trichloroethane	69.8700	5.0	0.26	50.0000	140	78 - 133		L4
1,1,2,2-Tetrachloroethane	40.8900	5.0	0.21	50.0000	81.8	63 - 127		
1,1,2-Trichloroethane	47.0900	5.0	0.40	50.0000	94.2	80 - 125		
1,1-Dichloroethane	52.1300	5.0	1.4	50.0000	104	77 - 128		
1,1-Dichloroethene	50.6800	5.0	1.9	50.0000	101	69 - 138		
1,1-Dichloropropene	49.5900	5.0	0.54	50.0000	99.2	80 - 133		
1,2,3-Trichloropropane	44.2200	5.0	0.40	50.0000	88.4	74 - 123		
1,2,3-Trichlorobenzene	47.2600	5.0	0.83	50.0000	94.5	79 - 133		
1,2,4-Trichlorobenzene	47.0300	5.0	0.80	50.0000	94.1	73 - 131		
1,2,4-Trimethylbenzene	48.1000	5.0	0.91	50.0000	96.2	86 - 137		
1,2-Dibromo-3-chloropropane	56.8600	10	1.1	50.0000	114	62 - 127		
1,2-Dibromoethane	45.2200	5.0	0.40	50.0000	90.4	83 - 126		
1,2-Dichlorobenzene	43.4400	5.0	0.21	50.0000	86.9	83 - 123		
1,2-Dichloroethane	69.1200	5.0	0.50	50.0000	138	76 - 128		L5



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1325 - MSVOA\_S (continued)**

**LCS (B2C1325-BS1) - Continued**

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,2-Dichloropropane	46.0500	5.0	0.46	50.0000		92.1	77 - 121			
1,3,5-Trimethylbenzene	47.0400	5.0	0.70	50.0000		94.1	84 - 135			
1,3-Dichlorobenzene	43.2500	5.0	0.36	50.0000		86.5	81 - 126			
1,3-Dichloropropane	44.4200	5.0	0.49	50.0000		88.8	80 - 118			
1,4-Dichlorobenzene	43.0700	5.0	0.27	50.0000		86.1	80 - 124			
2,2-Dichloropropane	62.9500	5.0	0.28	50.0000		126	72 - 135			
2-Chlorotoluene	48.6900	5.0	0.53	50.0000		97.4	81 - 127			
4-Chlorotoluene	51.2000	5.0	0.40	50.0000		102	83 - 127			
4-Isopropyltoluene	47.3400	5.0	0.81	50.0000		94.7	82 - 143			
Benzene	50.4100	5.0	0.36	50.0000		101	84 - 123			
Bromobenzene	43.3300	5.0	0.62	50.0000		86.7	80 - 122			
Bromochloromethane	49.8500	5.0	0.30	50.0000		99.7	83 - 127			
Bromodichloromethane	58.4200	5.0	0.52	50.0000		117	82 - 123			
Bromoform	51.5400	5.0	1.4	50.0000		103	80 - 132			
Bromomethane	63.3100	5.0	2.5	50.0000		127	67 - 176			
Carbon disulfide	43.3000	5.0	0.94	50.0000		86.6	75 - 138			
Carbon tetrachloride	70.0100	5.0	0.73	50.0000		140	76 - 131			L4
Chlorobenzene	45.8300	5.0	0.42	50.0000		91.7	84 - 119			
Chloroethane	53.0500	5.0	1.5	50.0000		106	56 - 170			
Chloroform	57.2300	5.0	0.24	50.0000		114	78 - 129			
Chloromethane	39.0100	5.0	1.1	50.0000		78.0	63 - 141			
cis-1,2-Dichloroethene	69.2400	5.0	0.20	50.0000		138	83 - 125			L5
cis-1,3-Dichloropropene	48.8900	5.0	0.39	50.0000		97.8	76 - 129			
Di-isopropyl ether	43.8600	5.0	1.9	50.0000		87.7	73 - 132			
Dibromochloromethane	49.0900	5.0	0.81	50.0000		98.2	81 - 120			
Dibromomethane	53.6500	5.0	0.23	50.0000		107	79 - 124			
Dichlorodifluoromethane	51.0500	5.0	0.14	50.0000		102	18 - 199			
Ethyl Acetate	46.4500	50	7.0	500.000		9.29	76 - 138			MO
Ethyl Ether	536.630	50	17	500.000		107	74 - 128			
Ethyl tert-butyl ether	48.3500	5.0	0.85	50.0000		96.7	50 - 175			
Ethylbenzene	50.4600	5.0	0.43	50.0000		101	86 - 130			
Freon-113	53.0200	5.0	1.3	50.0000		106	66 - 132			
Hexachlorobutadiene	54.9500	5.0	0.40	50.0000		110	64 - 135			
Isopropylbenzene	46.6800	5.0	0.79	50.0000		93.4	80 - 133			
m,p-Xylene	103.050	10	0.98	100.000		103	89 - 133			
Methylene chloride	45.5800	5.0	2.2	50.0000		91.2	72 - 143			
MTBE	49.1100	5.0	0.81	50.0000		98.2	73 - 136			
n-Butylbenzene	49.2200	5.0	1.2	50.0000		98.4	76 - 144			
n-Propylbenzene	47.7300	5.0	0.78	50.0000		95.5	81 - 136			
Naphthalene	37.1700	5.0	1.1	50.0000		74.3	64 - 128			
o-Xylene	50.9400	5.0	0.67	50.0000		102	82 - 134			
sec-Butylbenzene	46.1400	5.0	0.63	50.0000		92.3	81 - 138			
Styrene	44.0500	5.0	0.45	50.0000		88.1	79 - 152			
tert-Amyl methyl ether	47.7300	5.0	1.1	50.0000		95.5	48 - 166			
tert-Butanol	217.470	100	11	250.000		87.0	48 - 148			



## Certificate of Analysis

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 Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1325 - MSVOA\_S (continued)**

**LCS (B2C1325-BS1) - Continued**

Prepared: 3/23/2022 Analyzed: 3/23/2022

tert-Butylbenzene	47.5200	5.0	0.80	50.0000		95.0	81 - 135			
Tetrachloroethene	50.2800	5.0	0.31	50.0000		101	75 - 127			
Toluene	51.6900	5.0	0.27	50.0000		103	88 - 130			
trans-1,2-Dichloroethene	41.0800	5.0	0.56	50.0000		82.2	79 - 127			
trans-1,3-Dichloropropene	52.3100	5.0	0.59	50.0000		105	80 - 130			
Trichloroethene	51.3400	5.0	0.32	50.0000		103	83 - 126			
Trichlorofluoromethane	73.2700	5.0	1.0	50.0000		147	62 - 143			L4
Vinyl acetate	116.880	50	6.0	500.000		23.4	69 - 150			MO
Vinyl chloride	48.4100	5.0	0.92	50.0000		96.8	69 - 140			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>74.40</i>			<i>50.0000</i>		<i>149</i>	<i>66 - 200</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>55.74</i>			<i>50.0000</i>		<i>111</i>	<i>50 - 146</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>56.49</i>			<i>50.0000</i>		<i>113</i>	<i>77 - 159</i>			
<i>Surrogate: Toluene-d8</i>	<i>57.42</i>			<i>50.0000</i>		<i>115</i>	<i>81 - 128</i>			

**LCS Dup (B2C1325-BSD1)**

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,1,1,2-Tetrachloroethane	50.5400	5.0	0.52	50.0000		101	84 - 123	3.65	20	
1,1,1-Trichloroethane	67.7300	5.0	0.26	50.0000		135	78 - 133	3.11	20	L4
1,1,2,2-Tetrachloroethane	43.0700	5.0	0.21	50.0000		86.1	63 - 127	5.19	20	
1,1,2-Trichloroethane	45.9500	5.0	0.40	50.0000		91.9	80 - 125	2.45	20	
1,1-Dichloroethane	52.5200	5.0	1.4	50.0000		105	77 - 128	0.745	20	
1,1-Dichloroethene	49.7600	5.0	1.9	50.0000		99.5	69 - 138	1.83	20	
1,1-Dichloropropene	46.3100	5.0	0.54	50.0000		92.6	80 - 133	6.84	20	
1,2,3-Trichloropropane	47.5700	5.0	0.40	50.0000		95.1	74 - 123	7.30	20	
1,2,3-Trichlorobenzene	45.8400	5.0	0.83	50.0000		91.7	79 - 133	3.05	20	
1,2,4-Trichlorobenzene	45.7400	5.0	0.80	50.0000		91.5	73 - 131	2.78	20	
1,2,4-Trimethylbenzene	46.3000	5.0	0.91	50.0000		92.6	86 - 137	3.81	20	
1,2-Dibromo-3-chloropropane	59.3800	10	1.1	50.0000		119	62 - 127	4.34	20	
1,2-Dibromoethane	47.7800	5.0	0.40	50.0000		95.6	83 - 126	5.51	20	
1,2-Dichlorobenzene	45.0200	5.0	0.21	50.0000		90.0	83 - 123	3.57	20	
1,2-Dichloroethane	69.2400	5.0	0.50	50.0000		138	76 - 128	0.173	20	L5
1,2-Dichloropropane	46.3400	5.0	0.46	50.0000		92.7	77 - 121	0.628	20	
1,3,5-Trimethylbenzene	46.1700	5.0	0.70	50.0000		92.3	84 - 135	1.87	20	
1,3-Dichlorobenzene	42.3400	5.0	0.36	50.0000		84.7	81 - 126	2.13	20	
1,3-Dichloropropane	45.2600	5.0	0.49	50.0000		90.5	80 - 118	1.87	20	
1,4-Dichlorobenzene	43.7300	5.0	0.27	50.0000		87.5	80 - 124	1.52	20	
2,2-Dichloropropane	61.0400	5.0	0.28	50.0000		122	72 - 135	3.08	20	
2-Chlorotoluene	49.2400	5.0	0.53	50.0000		98.5	81 - 127	1.12	20	
4-Chlorotoluene	50.7600	5.0	0.40	50.0000		102	83 - 127	0.863	20	
4-Isopropyltoluene	46.8400	5.0	0.81	50.0000		93.7	82 - 143	1.06	20	
Benzene	48.1300	5.0	0.36	50.0000		96.3	84 - 123	4.63	20	
Bromobenzene	44.3000	5.0	0.62	50.0000		88.6	80 - 122	2.21	20	
Bromochloromethane	51.8100	5.0	0.30	50.0000		104	83 - 127	3.86	20	
Bromodichloromethane	57.0300	5.0	0.52	50.0000		114	82 - 123	2.41	20	
Bromoform	52.9000	5.0	1.4	50.0000		106	80 - 132	2.60	20	
Bromomethane	63.1800	5.0	2.5	50.0000		126	67 - 176	0.206	20	



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1325 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C1325-BSD1) - Continued</b>					Prepared: 3/23/2022 Analyzed: 3/23/2022					
Carbon disulfide	43.2700	5.0	0.94	50.0000		86.5	75 - 138	0.0693	20	
Carbon tetrachloride	65.6600	5.0	0.73	50.0000		131	76 - 131	6.41	20	L4
Chlorobenzene	44.6800	5.0	0.42	50.0000		89.4	84 - 119	2.54	20	
Chloroethane	54.2900	5.0	1.5	50.0000		109	56 - 170	2.31	20	
Chloroform	57.1300	5.0	0.24	50.0000		114	78 - 129	0.175	20	
Chloromethane	39.5400	5.0	1.1	50.0000		79.1	63 - 141	1.35	20	
cis-1,2-Dichloroethene	69.4800	5.0	0.20	50.0000		139	83 - 125	0.346	20	L5
cis-1,3-Dichloropropene	45.8700	5.0	0.39	50.0000		91.7	76 - 129	6.37	20	
Di-isopropyl ether	44.5900	5.0	1.9	50.0000		89.2	73 - 132	1.65	20	
Dibromochloromethane	50.9200	5.0	0.81	50.0000		102	81 - 120	3.66	20	
Dibromomethane	54.8500	5.0	0.23	50.0000		110	79 - 124	2.21	20	
Dichlorodifluoromethane	51.9500	5.0	0.14	50.0000		104	18 - 199	1.75	20	
Ethyl Acetate	28.1500	50	7.0	500.000		5.63	76 - 138	49.1	20	MO, R
Ethyl Ether	572.980	50	17	500.000		115	74 - 128	6.55	20	
Ethyl tert-butyl ether	51.2600	5.0	0.85	50.0000		103	50 - 175	5.84	20	
Ethylbenzene	49.8700	5.0	0.43	50.0000		99.7	86 - 130	1.18	20	
Freon-113	51.8100	5.0	1.3	50.0000		104	66 - 132	2.31	20	
Hexachlorobutadiene	53.4100	5.0	0.40	50.0000		107	64 - 135	2.84	20	
Isopropylbenzene	46.2600	5.0	0.79	50.0000		92.5	80 - 133	0.904	20	
m,p-Xylene	102.390	10	0.98	100.000		102	89 - 133	0.643	20	
Methylene chloride	47.9100	5.0	2.2	50.0000		95.8	72 - 143	4.98	20	
MTBE	51.5600	5.0	0.81	50.0000		103	73 - 136	4.87	20	
n-Butylbenzene	47.4400	5.0	1.2	50.0000		94.9	76 - 144	3.68	20	
n-Propylbenzene	47.9700	5.0	0.78	50.0000		95.9	81 - 136	0.502	20	
Naphthalene	38.1800	5.0	1.1	50.0000		76.4	64 - 128	2.68	20	
o-Xylene	52.4500	5.0	0.67	50.0000		105	82 - 134	2.92	20	
sec-Butylbenzene	45.1000	5.0	0.63	50.0000		90.2	81 - 138	2.28	20	
Styrene	43.8900	5.0	0.45	50.0000		87.8	79 - 152	0.364	20	
tert-Amyl methyl ether	50.1900	5.0	1.1	50.0000		100	48 - 166	5.02	20	
tert-Butanol	232.490	100	11	250.000		93.0	48 - 148	6.68	20	
tert-Butylbenzene	45.8700	5.0	0.80	50.0000		91.7	81 - 135	3.53	20	
Tetrachloroethene	50.9800	5.0	0.31	50.0000		102	75 - 127	1.38	20	
Toluene	52.0100	5.0	0.27	50.0000		104	88 - 130	0.617	20	
trans-1,2-Dichloroethene	38.8600	5.0	0.56	50.0000		77.7	79 - 127	5.55	20	L3
trans-1,3-Dichloropropene	50.7600	5.0	0.59	50.0000		102	80 - 130	3.01	20	
Trichloroethene	48.7000	5.0	0.32	50.0000		97.4	83 - 126	5.28	20	
Trichlorofluoromethane	72.2900	5.0	1.0	50.0000		145	62 - 143	1.35	20	L4
Vinyl acetate	107.960	50	6.0	500.000		21.6	69 - 150	7.93	20	MO
Vinyl chloride	47.5200	5.0	0.92	50.0000		95.0	69 - 140	1.86	20	

Surrogate: 1,2-Dichloroethane-d4	73.53	50.0000	147	66 - 200
Surrogate: 4-Bromofluorobenzene	57.35	50.0000	115	50 - 146
Surrogate: Dibromofluoromethane	56.00	50.0000	112	77 - 159
Surrogate: Toluene-d8	56.24	50.0000	112	81 - 128



2200428

30°C

FROM: GSI Environmental Inc.  
19200 Von Karman Ave, Suite 800  
Irvine, CA 92612  
(949) 679-1070

PROJECT NAME: Ontario Airport

PROJECT NO.: 5925

LAB CONTACT: Victoria Michel

GLOBAL ID: Vinnie Robino / Josh Voss

TEL: (949) 679-1070 E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com

LABORATORY: Advanced Technology Laboratories

SAMPLERS: (PRINT) Tiana Nordin / Josh Voss

**REQUESTED ANALYSES**  
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Field Filtered		T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCFs 8081A	Herbicides 8051	HOLD
		DATE	TIME			Unpreserved	Preserved										
	1 61W-17A-3-1	3/21/22	0759	Soil	1			X	X	X							
	2 61W-17A-3-5.5		0808		5		4	X	X	X							
	3 61W-17A-1-1		0828		1			X	X	X							
	4 61W-17A-1-5.5		0836		5		4	X	X	X							
	5 61W-17A-1-10		0840		1			X	X	X							
	6 61W-17A-1-15		0844		1			X	X	X							
	7 61W-17A-2-1		0902		1			X	X	X							
	8 61W-17A-2-5.5		0910		5		4	X	X	X							
	9 61W-17A-4-1		0940		1			X	X	X							
	10 61W-17A-4-5.5		0948		5		4	X	X	X							
	11 61W-17A-5-1		1014		1			X	X	X							
	12 61W-17A-5-5.5		1028		5		4	X	X	X							
	13 61W-17A-6-1		1050		1			X	X	X							
	14 61W-17A-6-5.5		1100		5		4	X	X	X							
	15 TB-20220326		1105	Water	4		4										X

Relinquished by: (Signature) *[Signature]* Date: 3/21/22 Time: 15:35

Relinquished by: (Signature) *[Signature]* Date: 3/21/22 Time: 16:49

Relinquished by: (Signature) *[Signature]* Date: 3/21/22 Time: 16:49



2250428

300

<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		<b>PROJECT NAME:</b> Ontario Airport																																								
<b>PROJECT CONTACT:</b> Winnie Robino / Josh Voss		<b>PROJECT NO.:</b> 5925																																								
<b>GLOBAL ID:</b> vprobino@gsi-net.com / jcvoss@gsi-net.com		<b>LAB CONTACT:</b> Victoria Michel																																								
<b>TEL:</b> (949) 679-1070		<b>SAMPLER(S) (PRINT):</b> Team Navin / Josh Voss																																								
<b>LABORATORY:</b> Advanced Technology Laboratories																																										
<b>TURNAROUND TIME:</b> <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD																																										
<b>SPECIAL INSTRUCTIONS:</b> GRO = C4-C12; DRO = C13-C22; ORO = C23-C32																																										
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	PRESERVATION			ANALYSES																																	
		DATE	TIME			Unpreserved	Preserved	Field Filtered	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCFs 8081A	Herbicides 8051																									
	16 61W-17A-7-1	3/21/22	1205	Soil	1			X																																		
	17 61W-17A-7-5.5		1220		5					X																																
	18 61W-17A-8-1		1242		1					X																																
	19 61W-17A-8-5.5		1258		5					X																																
	20 61W-43-1-1		1335		1					X																																
	21 61W-43-1-5.5		1345		5					X																																
	22 FB-20220321		1400	Water	5					X																																
<b>Relinquished by: (Signature)</b> 		<b>Received by: (Signature)</b> Ethan Tran		Date: 3/21/22    Time: 5:35																																						
<b>Relinquished by: (Signature)</b> 		<b>Received by: (Signature)</b> Damage ATL		Date: 3/21/22    Time: 6:49																																						
<b>Relinquished by: (Signature)</b> 		<b>Received by: (Signature)</b> ATL		Date: 3/21/22    Time:																																						

April 01, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

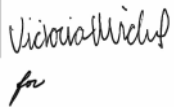
ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200432  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 22, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 04/01/22 17:01 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-14-1	2200432-01	Soil	3/22/22 7:32	3/22/22 15:54
SV-14-5.5	2200432-02	Soil	3/22/22 7:45	3/22/22 15:54
SV-14-15	2200432-03	Soil	3/22/22 7:50	3/22/22 15:54
SV-15-1	2200432-04	Soil	3/22/22 8:28	3/22/22 15:54
SV-15-5.5	2200432-05	Soil	3/22/22 8:38	3/22/22 15:54
SV-15-15	2200432-06	Soil	3/22/22 8:44	3/22/22 15:54
SV-17-1	2200432-07	Soil	3/22/22 9:24	3/22/22 15:54
SV-17-5.5	2200432-08	Soil	3/22/22 9:36	3/22/22 15:54
SV-17-15	2200432-09	Soil	3/22/22 9:40	3/22/22 15:54
SV-16-1	2200432-10	Soil	3/22/22 10:36	3/22/22 15:54
SV-16-5.5	2200432-11	Soil	3/22/22 10:38	3/22/22 15:54
SV-16-14	2200432-12	Soil	3/22/22 10:44	3/22/22 15:54
SV-18-1	2200432-13	Soil	3/22/22 11:22	3/22/22 15:54
SV-18-5.5	2200432-14	Soil	3/22/22 11:34	3/22/22 15:54
SV-18-14	2200432-15	Soil	3/22/22 11:38	3/22/22 15:54
SV-19-1	2200432-16	Soil	3/22/22 13:13	3/22/22 15:54
SV-19-5.5	2200432-17	Soil	3/22/22 13:20	3/22/22 15:54
SV-19-14	2200432-18	Soil	3/22/22 13:25	3/22/22 15:54
TB_20220322	2200432-19	Water	3/22/22 13:30	3/22/22 15:54



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## Notes and Definitions

- MO Manufacturer omitted analyte within the stock standard.
- M2 Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
- L5 Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
- L3 Laboratory control sample outside in-house established limits but within method criteria.
- ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)

- Notes:
- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
  - (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
  - (3) Results are wet unless otherwise specified.

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200432-01	SV-14-1	1.2	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22	18:42	
2200432-04	SV-15-1	ND	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22	18:44	
2200432-07	SV-17-1	ND	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22	18:48	
2200432-10	SV-16-1	ND	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22	18:51	
2200432-13	SV-18-1	ND	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22	18:53	
2200432-16	SV-19-1	ND	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22	18:56	



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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-14-1**  
**Lab ID: 2200432-01**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<b>Antimony</b>	<b>24</b>	2.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
<b>Barium</b>	<b>63</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
<b>Beryllium</b>	<b>1.3</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
<b>Chromium</b>	<b>8.9</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
<b>Cobalt</b>	<b>3.1</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
<b>Copper</b>	<b>6.5</b>	2.0	1	B2C1373	03/24/2022	03/29/22 14:09	
<b>Lead</b>	<b>16</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
<b>Nickel</b>	<b>6.5</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Selenium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
<b>Vanadium</b>	<b>13</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:09	



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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-14-5.5**  
**Lab ID: 2200432-02**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 15:07	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 15:07	
<i>Surrogate: p-Terphenyl</i>	<i>113 %</i>	<i>62 - 141</i>		B2C1361	03/24/2022	<i>03/25/22 15:07</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1,1-Trichloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1,2-Trichloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1-Dichloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1-Dichloroethene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,1-Dichloropropene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2,3-Trichloropropane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2-Dibromoethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2-Dichlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2-Dichloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,2-Dichloropropane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,3-Dichlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,3-Dichloropropane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
1,4-Dichlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
2,2-Dichloropropane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
2-Chlorotoluene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
4-Chlorotoluene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
4-Isopropyltoluene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Benzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Bromobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Bromochloromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Bromodichloromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Bromoform	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Bromomethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Carbon disulfide	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-14-5.5**  
**Lab ID: 2200432-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Chlorobenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Chloroethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Chloroform	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Chloromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Di-isopropyl ether	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Dibromochloromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Dibromomethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Dichlorodifluoromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Ethyl Acetate	ND	46	1	B2C1326	03/23/2022	03/23/22 15:59	
Ethyl Ether	ND	46	1	B2C1326	03/23/2022	03/23/22 15:59	
Ethyl tert-butyl ether	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Ethylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Freon-113	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Hexachlorobutadiene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Isopropylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
m,p-Xylene	ND	9.1	1	B2C1326	03/23/2022	03/23/22 15:59	
Methylene chloride	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
MTBE	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
n-Butylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
n-Propylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Naphthalene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
o-Xylene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
sec-Butylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Styrene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
tert-Amyl methyl ether	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
tert-Butanol	ND	91	1	B2C1326	03/23/2022	03/23/22 15:59	
tert-Butylbenzene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Tetrachloroethene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Toluene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Trichloroethene	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Trichlorofluoromethane	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Vinyl acetate	ND	46	1	B2C1326	03/23/2022	03/23/22 15:59	
Vinyl chloride	ND	4.6	1	B2C1326	03/23/2022	03/23/22 15:59	
Surrogate: 1,2-Dichloroethane-d4	118 %	66 - 200		B2C1326	03/23/2022	03/23/22 15:59	
Surrogate: 4-Bromofluorobenzene	101 %	50 - 146		B2C1326	03/23/2022	03/23/22 15:59	



### Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: SV-14-5.5**  
**Lab ID: 2200432-02**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	109 %	77 - 159		B2C1326	03/23/2022	03/23/22 15:59	
<i>Surrogate: Toluene-d8</i>	98.3 %	81 - 128		B2C1326	03/23/2022	03/23/22 15:59	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.94	1	B2C1453	03/30/2022	03/30/22 01:57	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.7 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 01:57	





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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-14-15**  
**Lab ID: 2200432-03**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 17:55	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 17:55	
<i>Surrogate: p-Terphenyl</i>	98.2 %	62 - 141		B2C1361	03/24/2022	03/25/22 17:55	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1,1-Trichloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1,2,2-Tetrachloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1,2-Trichloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1-Dichloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1-Dichloroethene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,1-Dichloropropene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2,3-Trichloropropane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2,3-Trichlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2,4-Trichlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2,4-Trimethylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2-Dibromoethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2-Dichlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2-Dichloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,2-Dichloropropane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,3,5-Trimethylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,3-Dichlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,3-Dichloropropane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
1,4-Dichlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
2,2-Dichloropropane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
2-Chlorotoluene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
4-Chlorotoluene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
4-Isopropyltoluene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Benzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Bromobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Bromochloromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Bromodichloromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Bromoform	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Bromomethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Carbon disulfide	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-14-15**

**Lab ID: 2200432-03**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Chlorobenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Chloroethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Chloroform	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Chloromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
cis-1,2-Dichloroethene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
cis-1,3-Dichloropropene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Di-isopropyl ether	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Dibromochloromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Dibromomethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Dichlorodifluoromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Ethyl Acetate	ND	57	1	B2C1326	03/23/2022	03/23/22 16:25	
Ethyl Ether	ND	57	1	B2C1326	03/23/2022	03/23/22 16:25	
Ethyl tert-butyl ether	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Ethylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Freon-113	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Hexachlorobutadiene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Isopropylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
m,p-Xylene	ND	11	1	B2C1326	03/23/2022	03/23/22 16:25	
Methylene chloride	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
MTBE	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
n-Butylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
n-Propylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Naphthalene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
o-Xylene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
sec-Butylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Styrene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
tert-Amyl methyl ether	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
tert-Butanol	ND	110	1	B2C1326	03/23/2022	03/23/22 16:25	
tert-Butylbenzene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Tetrachloroethene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Toluene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
trans-1,2-Dichloroethene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
trans-1,3-Dichloropropene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Trichloroethene	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Trichlorofluoromethane	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	
Vinyl acetate	ND	57	1	B2C1326	03/23/2022	03/23/22 16:25	
Vinyl chloride	ND	5.7	1	B2C1326	03/23/2022	03/23/22 16:25	

Surrogate: 1,2-Dichloroethane-d4      115 %      66 - 200      B2C1326      03/23/2022      03/23/22 16:25  
 Surrogate: 4-Bromofluorobenzene      99.8 %      50 - 146      B2C1326      03/23/2022      03/23/22 16:25



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: SV-14-15**

**Lab ID: 2200432-03**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	111 %	77 - 159		B2C1326	03/23/2022	03/23/22 16:25	
<i>Surrogate: Toluene-d8</i>	97.6 %	81 - 128		B2C1326	03/23/2022	03/23/22 16:25	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.99	1	B2C1453	03/30/2022	03/30/22 02:21	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.7 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 02:21	

**Client Sample ID: SV-15-1**

**Lab ID: 2200432-04**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<b>Antimony</b>	36	2.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
<b>Barium</b>	86	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
<b>Beryllium</b>	2.0	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
<b>Chromium</b>	12	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
<b>Cobalt</b>	4.1	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
<b>Copper</b>	8.3	2.0	1	B2C1373	03/24/2022	03/29/22 14:11	
<b>Lead</b>	6.0	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
<b>Nickel</b>	9.3	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
<b>Selenium</b>	1.8	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
<b>Vanadium</b>	22	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	
<b>Zinc</b>	35	1.0	1	B2C1373	03/24/2022	03/29/22 14:11	



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 04/01/2022

**Client Sample ID: SV-15-5.5**

**Lab ID: 2200432-05**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 18:16	
<b>C23-C32</b>	<b>44</b>	10	1	B2C1361	03/24/2022	03/25/22 18:16	
<i>Surrogate: p-Terphenyl</i>	<i>112 %</i>	<i>62 - 141</i>		B2C1361	03/24/2022	<i>03/25/22 18:16</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1,1-Trichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1,2-Trichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1-Dichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,1-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2,3-Trichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2-Dibromoethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2-Dichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,2-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,3-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,3-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
1,4-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
2,2-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
2-Chlorotoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
4-Chlorotoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
4-Isopropyltoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Benzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Bromobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Bromochloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Bromodichloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Bromoform	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Bromomethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Carbon disulfide	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-15-5.5**  
**Lab ID: 2200432-05**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Chlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Chloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Chloroform	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Chloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Di-isopropyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Dibromochloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Dibromomethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Dichlorodifluoromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Ethyl Acetate	ND	41	1	B2C1326	03/23/2022	03/23/22 16:51	
Ethyl Ether	ND	41	1	B2C1326	03/23/2022	03/23/22 16:51	
Ethyl tert-butyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Ethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Freon-113	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Hexachlorobutadiene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Isopropylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
m,p-Xylene	ND	8.2	1	B2C1326	03/23/2022	03/23/22 16:51	
Methylene chloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
MTBE	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
n-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
n-Propylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Naphthalene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
o-Xylene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
sec-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Styrene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
tert-Amyl methyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
tert-Butanol	ND	82	1	B2C1326	03/23/2022	03/23/22 16:51	
tert-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Tetrachloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Toluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Trichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Trichlorofluoromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Vinyl acetate	ND	41	1	B2C1326	03/23/2022	03/23/22 16:51	
Vinyl chloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 16:51	
Surrogate: 1,2-Dichloroethane-d4	121 %	66 - 200		B2C1326	03/23/2022	03/23/22 16:51	
Surrogate: 4-Bromofluorobenzene	98.9 %	50 - 146		B2C1326	03/23/2022	03/23/22 16:51	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: SV-15-5.5**  
**Lab ID: 2200432-05**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	120 %	77 - 159		B2C1326	03/23/2022	03/23/22 16:51	
<i>Surrogate: Toluene-d8</i>	100 %	81 - 128		B2C1326	03/23/2022	03/23/22 16:51	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.79	1	B2C1453	03/30/2022	03/30/22 02:46	
<i>Surrogate: 4-Bromofluorobenzene</i>	95.2 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 02:46	



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 04/01/2022

**Client Sample ID: SV-15-15**

**Lab ID: 2200432-06**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 18:37	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 18:37	
<i>Surrogate: p-Terphenyl</i>	<i>134 %</i>	<i>62 - 141</i>		B2C1361	03/24/2022	<i>03/25/22 18:37</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1,1-Trichloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1,2,2-Tetrachloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1,2-Trichloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1-Dichloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1-Dichloroethene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,1-Dichloropropene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2,3-Trichloropropane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2,3-Trichlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2,4-Trichlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2,4-Trimethylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2-Dibromo-3-chloropropane	ND	12	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2-Dibromoethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2-Dichlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2-Dichloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,2-Dichloropropane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,3,5-Trimethylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,3-Dichlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,3-Dichloropropane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
1,4-Dichlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
2,2-Dichloropropane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
2-Chlorotoluene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
4-Chlorotoluene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
4-Isopropyltoluene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Benzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Bromobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Bromochloromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Bromodichloromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Bromoform	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Bromomethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Carbon disulfide	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-15-15**  
**Lab ID: 2200432-06**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Chlorobenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Chloroethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Chloroform	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Chloromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
cis-1,2-Dichloroethene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
cis-1,3-Dichloropropene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Di-isopropyl ether	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Dibromochloromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Dibromomethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Dichlorodifluoromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Ethyl Acetate	ND	61	1	B2C1326	03/23/2022	03/23/22 17:17	
Ethyl Ether	ND	61	1	B2C1326	03/23/2022	03/23/22 17:17	
Ethyl tert-butyl ether	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Ethylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Freon-113	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Hexachlorobutadiene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Isopropylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
m,p-Xylene	ND	12	1	B2C1326	03/23/2022	03/23/22 17:17	
Methylene chloride	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
MTBE	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
n-Butylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
n-Propylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Naphthalene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
o-Xylene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
sec-Butylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Styrene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
tert-Amyl methyl ether	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
tert-Butanol	ND	120	1	B2C1326	03/23/2022	03/23/22 17:17	
tert-Butylbenzene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Tetrachloroethene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Toluene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
trans-1,2-Dichloroethene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
trans-1,3-Dichloropropene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Trichloroethene	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Trichlorofluoromethane	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Vinyl acetate	ND	61	1	B2C1326	03/23/2022	03/23/22 17:17	
Vinyl chloride	ND	6.1	1	B2C1326	03/23/2022	03/23/22 17:17	
Surrogate: 1,2-Dichloroethane-d4	128 %	66 - 200		B2C1326	03/23/2022	03/23/22 17:17	
Surrogate: 4-Bromofluorobenzene	95.8 %	50 - 146		B2C1326	03/23/2022	03/23/22 17:17	





## Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: SV-15-15**

**Lab ID: 2200432-06**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	115 %	77 - 159		B2C1326	03/23/2022	03/23/22 17:17	
<i>Surrogate: Toluene-d8</i>	95.2 %	81 - 128		B2C1326	03/23/2022	03/23/22 17:17	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.98	1	B2C1453	03/30/2022	03/30/22 03:10	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.5 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 03:10	

**Client Sample ID: SV-17-1**

**Lab ID: 2200432-07**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<b>Antimony</b>	34	2.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
<b>Barium</b>	84	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
<b>Beryllium</b>	1.9	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
<b>Chromium</b>	12	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
<b>Cobalt</b>	4.1	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
<b>Copper</b>	8.3	2.0	1	B2C1373	03/24/2022	03/29/22 14:12	
<b>Lead</b>	2.8	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
<b>Nickel</b>	8.7	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
<b>Selenium</b>	1.6	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
<b>Vanadium</b>	21	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	
<b>Zinc</b>	32	1.0	1	B2C1373	03/24/2022	03/29/22 14:12	



## Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: SV-17-5.5**

**Lab ID: 2200432-08**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 18:57	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 18:57	
<i>Surrogate: p-Terphenyl</i>	<i>111 %</i>	<i>62 - 141</i>		B2C1361	03/24/2022	<i>03/25/22 18:57</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1,1-Trichloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1,2-Trichloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1-Dichloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1-Dichloroethene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,1-Dichloropropene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2,3-Trichloropropane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2-Dibromoethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2-Dichlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2-Dichloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,2-Dichloropropane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,3-Dichlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,3-Dichloropropane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
1,4-Dichlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
2,2-Dichloropropane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
2-Chlorotoluene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
4-Chlorotoluene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
4-Isopropyltoluene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Benzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Bromobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Bromochloromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Bromodichloromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Bromoform	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Bromomethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Carbon disulfide	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-17-5.5**  
**Lab ID: 2200432-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Chlorobenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Chloroethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Chloroform	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Chloromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Di-isopropyl ether	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Dibromochloromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Dibromomethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Dichlorodifluoromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Ethyl Acetate	ND	42	1	B2C1326	03/23/2022	03/23/22 17:43	
Ethyl Ether	ND	42	1	B2C1326	03/23/2022	03/23/22 17:43	
Ethyl tert-butyl ether	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Ethylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Freon-113	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Hexachlorobutadiene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Isopropylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
m,p-Xylene	ND	8.4	1	B2C1326	03/23/2022	03/23/22 17:43	
Methylene chloride	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
MTBE	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
n-Butylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
n-Propylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Naphthalene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
o-Xylene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
sec-Butylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Styrene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
tert-Amyl methyl ether	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
tert-Butanol	ND	84	1	B2C1326	03/23/2022	03/23/22 17:43	
tert-Butylbenzene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Tetrachloroethene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Toluene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Trichloroethene	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Trichlorofluoromethane	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Vinyl acetate	ND	42	1	B2C1326	03/23/2022	03/23/22 17:43	
Vinyl chloride	ND	4.2	1	B2C1326	03/23/2022	03/23/22 17:43	
Surrogate: 1,2-Dichloroethane-d4	132 %	66 - 200		B2C1326	03/23/2022	03/23/22 17:43	
Surrogate: 4-Bromofluorobenzene	96.6 %	50 - 146		B2C1326	03/23/2022	03/23/22 17:43	



### Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: SV-17-5.5**  
**Lab ID: 2200432-08**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	122 %	77 - 159		B2C1326	03/23/2022	03/23/22 17:43	
<i>Surrogate: Toluene-d8</i>	102 %	81 - 128		B2C1326	03/23/2022	03/23/22 17:43	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.78	1	B2C1453	03/30/2022	03/30/22 03:35	
<i>Surrogate: 4-Bromofluorobenzene</i>	96.5 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 03:35	



# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-17-15**

**Lab ID: 2200432-09**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 19:18	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 19:18	
<i>Surrogate: p-Terphenyl</i>	<i>101 %</i>	<i>62 - 141</i>		B2C1361	03/24/2022	<i>03/25/22 19:18</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1,1-Trichloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1,2,2-Tetrachloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1,2-Trichloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1-Dichloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1-Dichloroethene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,1-Dichloropropene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2,3-Trichloropropane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2,3-Trichlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2,4-Trichlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2,4-Trimethylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2-Dibromoethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2-Dichlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2-Dichloroethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,2-Dichloropropane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,3,5-Trimethylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,3-Dichlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,3-Dichloropropane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
1,4-Dichlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
2,2-Dichloropropane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
2-Chlorotoluene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
4-Chlorotoluene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
4-Isopropyltoluene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Benzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Bromobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Bromochloromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Bromodichloromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Bromoform	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Bromomethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Carbon disulfide	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-17-15**  
**Lab ID: 2200432-09**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Chlorobenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
<b>Chloroethane</b>	<b>15</b>	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Chloroform	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Chloromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
cis-1,2-Dichloroethene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
cis-1,3-Dichloropropene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Di-isopropyl ether	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Dibromochloromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Dibromomethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Dichlorodifluoromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Ethyl Acetate	ND	51	1	B2C1326	03/23/2022	03/23/22 18:09	
Ethyl Ether	ND	51	1	B2C1326	03/23/2022	03/23/22 18:09	
Ethyl tert-butyl ether	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Ethylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Freon-113	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Hexachlorobutadiene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Isopropylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
m,p-Xylene	ND	10	1	B2C1326	03/23/2022	03/23/22 18:09	
Methylene chloride	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
MTBE	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
n-Butylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
n-Propylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Naphthalene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
o-Xylene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
sec-Butylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Styrene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
tert-Amyl methyl ether	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
tert-Butanol	ND	100	1	B2C1326	03/23/2022	03/23/22 18:09	
tert-Butylbenzene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Tetrachloroethene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Toluene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
trans-1,2-Dichloroethene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
trans-1,3-Dichloropropene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Trichloroethene	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Trichlorofluoromethane	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	
Vinyl acetate	ND	51	1	B2C1326	03/23/2022	03/23/22 18:09	
Vinyl chloride	ND	5.1	1	B2C1326	03/23/2022	03/23/22 18:09	

Surrogate: 1,2-Dichloroethane-d4      118 %      66 - 200      B2C1326      03/23/2022      03/23/22 18:09  
 Surrogate: 4-Bromofluorobenzene      102 %      50 - 146      B2C1326      03/23/2022      03/23/22 18:09



## Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: SV-17-15**

**Lab ID: 2200432-09**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	107 %	77 - 159		B2C1326	03/23/2022	03/23/22 18:09	
<i>Surrogate: Toluene-d8</i>	99.0 %	81 - 128		B2C1326	03/23/2022	03/23/22 18:09	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.93	1	B2C1453	03/30/2022	03/30/22 03:59	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.1 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 03:59	

**Client Sample ID: SV-16-1**

**Lab ID: 2200432-10**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<b>Antimony</b>	46	2.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
<b>Barium</b>	110	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
<b>Beryllium</b>	2.6	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
<b>Chromium</b>	16	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
<b>Cobalt</b>	5.4	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
<b>Copper</b>	11	2.0	1	B2C1373	03/24/2022	03/29/22 14:14	
<b>Lead</b>	6.2	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
<b>Nickel</b>	9.9	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
<b>Selenium</b>	1.5	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
<b>Vanadium</b>	28	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	
<b>Zinc</b>	52	1.0	1	B2C1373	03/24/2022	03/29/22 14:14	



# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-16-5.5**  
**Lab ID: 2200432-11**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 19:39	
<b>C23-C32</b>	<b>15</b>	10	1	B2C1361	03/24/2022	03/25/22 19:39	
<i>Surrogate: p-Terphenyl</i>	<i>117 %</i>	<i>62 - 141</i>		B2C1361	03/24/2022	<i>03/25/22 19:39</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1,1-Trichloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1,2,2-Tetrachloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1,2-Trichloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1-Dichloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1-Dichloroethene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,1-Dichloropropene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2,3-Trichloropropane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2,3-Trichlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2,4-Trichlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2,4-Trimethylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2-Dibromo-3-chloropropane	ND	9.6	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2-Dibromoethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2-Dichlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2-Dichloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,2-Dichloropropane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,3,5-Trimethylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,3-Dichlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,3-Dichloropropane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
1,4-Dichlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
2,2-Dichloropropane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
2-Chlorotoluene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
4-Chlorotoluene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
4-Isopropyltoluene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Benzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Bromobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Bromochloromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Bromodichloromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Bromoform	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Bromomethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Carbon disulfide	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-16-5.5**

**Lab ID: 2200432-11**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Chlorobenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Chloroethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Chloroform	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Chloromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
cis-1,2-Dichloroethene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
cis-1,3-Dichloropropene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Di-isopropyl ether	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Dibromochloromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Dibromomethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Dichlorodifluoromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Ethyl Acetate	ND	48	1	B2C1326	03/23/2022	03/23/22 18:35	
Ethyl Ether	ND	48	1	B2C1326	03/23/2022	03/23/22 18:35	
Ethyl tert-butyl ether	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Ethylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Freon-113	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Hexachlorobutadiene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Isopropylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
m,p-Xylene	ND	9.6	1	B2C1326	03/23/2022	03/23/22 18:35	
Methylene chloride	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
MTBE	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
n-Butylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
n-Propylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Naphthalene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
o-Xylene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
sec-Butylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Styrene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
tert-Amyl methyl ether	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
tert-Butanol	ND	96	1	B2C1326	03/23/2022	03/23/22 18:35	
tert-Butylbenzene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Tetrachloroethene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Toluene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
trans-1,2-Dichloroethene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
trans-1,3-Dichloropropene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Trichloroethene	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Trichlorofluoromethane	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	
Vinyl acetate	ND	48	1	B2C1326	03/23/2022	03/23/22 18:35	
Vinyl chloride	ND	4.8	1	B2C1326	03/23/2022	03/23/22 18:35	

Surrogate: 1,2-Dichloroethane-d4      117 %      66 - 200      B2C1326      03/23/2022      03/23/22 18:35  
 Surrogate: 4-Bromofluorobenzene      95.1 %      50 - 146      B2C1326      03/23/2022      03/23/22 18:35



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: SV-16-5.5**  
**Lab ID: 2200432-11**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	109 %	77 - 159		B2C1326	03/23/2022	03/23/22 18:35	
<i>Surrogate: Toluene-d8</i>	96.9 %	81 - 128		B2C1326	03/23/2022	03/23/22 18:35	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.85	1	B2C1453	03/30/2022	03/30/22 04:24	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.1 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 04:24	



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 04/01/2022

**Client Sample ID: SV-16-14**

**Lab ID: 2200432-12**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 20:00	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 20:00	
<i>Surrogate: p-Terphenyl</i>	<i>101 %</i>	<i>62 - 141</i>		B2C1361	03/24/2022	<i>03/25/22 20:00</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1,1-Trichloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1,2-Trichloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1-Dichloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1-Dichloroethene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,1-Dichloropropene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2,3-Trichloropropane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2-Dibromo-3-chloropropane	ND	8.7	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2-Dibromoethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2-Dichlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2-Dichloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,2-Dichloropropane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,3-Dichlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,3-Dichloropropane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
1,4-Dichlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
2,2-Dichloropropane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
2-Chlorotoluene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
4-Chlorotoluene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
4-Isopropyltoluene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Benzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Bromobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Bromochloromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Bromodichloromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Bromoform	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Bromomethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Carbon disulfide	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-16-14**  
**Lab ID: 2200432-12**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Chlorobenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Chloroethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Chloroform	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Chloromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Di-isopropyl ether	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Dibromochloromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Dibromomethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Dichlorodifluoromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Ethyl Acetate	ND	43	1	B2C1326	03/23/2022	03/23/22 19:01	
Ethyl Ether	ND	43	1	B2C1326	03/23/2022	03/23/22 19:01	
Ethyl tert-butyl ether	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Ethylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Freon-113	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Hexachlorobutadiene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Isopropylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
m,p-Xylene	ND	8.7	1	B2C1326	03/23/2022	03/23/22 19:01	
Methylene chloride	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
MTBE	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
n-Butylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
n-Propylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Naphthalene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
o-Xylene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
sec-Butylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Styrene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
tert-Amyl methyl ether	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
tert-Butanol	ND	87	1	B2C1326	03/23/2022	03/23/22 19:01	
tert-Butylbenzene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Tetrachloroethene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Toluene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Trichloroethene	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Trichlorofluoromethane	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Vinyl acetate	ND	43	1	B2C1326	03/23/2022	03/23/22 19:01	
Vinyl chloride	ND	4.3	1	B2C1326	03/23/2022	03/23/22 19:01	
Surrogate: 1,2-Dichloroethane-d4	129 %	66 - 200		B2C1326	03/23/2022	03/23/22 19:01	
Surrogate: 4-Bromofluorobenzene	93.5 %	50 - 146		B2C1326	03/23/2022	03/23/22 19:01	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 04/01/2022

**Client Sample ID: SV-16-14**

**Lab ID: 2200432-12**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	117 %	77 - 159		B2C1326	03/23/2022	03/23/22 19:01	
<i>Surrogate: Toluene-d8</i>	97.8 %	81 - 128		B2C1326	03/23/2022	03/23/22 19:01	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.81	1	B2C1453	03/30/2022	03/30/22 04:48	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.4 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 04:48	

**Client Sample ID: SV-18-1**

**Lab ID: 2200432-13**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<b>Antimony</b>	37	2.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
<b>Barium</b>	82	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
<b>Beryllium</b>	2.1	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
<b>Chromium</b>	13	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
<b>Cobalt</b>	4.3	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
<b>Copper</b>	9.4	2.0	1	B2C1373	03/24/2022	03/29/22 14:16	
<b>Lead</b>	22	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
<b>Nickel</b>	9.5	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
<b>Selenium</b>	1.2	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
<b>Vanadium</b>	22	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	
<b>Zinc</b>	48	1.0	1	B2C1373	03/24/2022	03/29/22 14:16	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-18-5.5**

**Lab ID: 2200432-14**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 20:21	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 20:21	
<i>Surrogate: p-Terphenyl</i>	<i>118 %</i>	<i>62 - 141</i>		B2C1361	03/24/2022	<i>03/25/22 20:21</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1,1-Trichloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1,2-Trichloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1-Dichloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1-Dichloroethene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,1-Dichloropropene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2,3-Trichloropropane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2-Dibromo-3-chloropropane	ND	7.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2-Dibromoethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2-Dichlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2-Dichloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,2-Dichloropropane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,3-Dichlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,3-Dichloropropane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
1,4-Dichlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
2,2-Dichloropropane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
2-Chlorotoluene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
4-Chlorotoluene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
4-Isopropyltoluene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Benzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Bromobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Bromochloromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Bromodichloromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Bromoform	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Bromomethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Carbon disulfide	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-18-5.5**  
**Lab ID: 2200432-14**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Chlorobenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Chloroethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Chloroform	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Chloromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Di-isopropyl ether	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Dibromochloromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Dibromomethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Dichlorodifluoromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Ethyl Acetate	ND	39	1	B2C1326	03/23/2022	03/23/22 19:27	
Ethyl Ether	ND	39	1	B2C1326	03/23/2022	03/23/22 19:27	
Ethyl tert-butyl ether	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Ethylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Freon-113	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Hexachlorobutadiene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Isopropylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
m,p-Xylene	ND	7.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Methylene chloride	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
MTBE	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
n-Butylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
n-Propylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Naphthalene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
o-Xylene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
sec-Butylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Styrene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
tert-Amyl methyl ether	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
tert-Butanol	ND	79	1	B2C1326	03/23/2022	03/23/22 19:27	
tert-Butylbenzene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Tetrachloroethene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Toluene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Trichloroethene	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Trichlorofluoromethane	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Vinyl acetate	ND	39	1	B2C1326	03/23/2022	03/23/22 19:27	
Vinyl chloride	ND	3.9	1	B2C1326	03/23/2022	03/23/22 19:27	
Surrogate: 1,2-Dichloroethane-d4	133 %	66 - 200		B2C1326	03/23/2022	03/23/22 19:27	
Surrogate: 4-Bromofluorobenzene	101 %	50 - 146		B2C1326	03/23/2022	03/23/22 19:27	



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: SV-18-5.5**  
**Lab ID: 2200432-14**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	119 %	77 - 159		B2C1326	03/23/2022	03/23/22 19:27	
<i>Surrogate: Toluene-d8</i>	96.5 %	81 - 128		B2C1326	03/23/2022	03/23/22 19:27	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.78	1	B2C1453	03/30/2022	03/30/22 05:13	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.8 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 05:13	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-18-14**  
**Lab ID: 2200432-15**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 20:41	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 20:41	
<i>Surrogate: p-Terphenyl</i>	<i>102 %</i>	<i>62 - 141</i>		B2C1361	03/24/2022	<i>03/25/22 20:41</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1,1-Trichloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1,2,2-Tetrachloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1,2-Trichloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1-Dichloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1-Dichloroethene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,1-Dichloropropene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2,3-Trichloropropane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2,3-Trichlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2,4-Trichlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2,4-Trimethylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2-Dibromo-3-chloropropane	ND	8.9	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2-Dibromoethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2-Dichlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2-Dichloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,2-Dichloropropane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,3,5-Trimethylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,3-Dichlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,3-Dichloropropane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
1,4-Dichlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
2,2-Dichloropropane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
2-Chlorotoluene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
4-Chlorotoluene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
4-Isopropyltoluene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Benzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Bromobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Bromochloromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Bromodichloromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Bromoform	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Bromomethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Carbon disulfide	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-18-14**  
**Lab ID: 2200432-15**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Chlorobenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Chloroethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Chloroform	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Chloromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
cis-1,2-Dichloroethene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
cis-1,3-Dichloropropene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Di-isopropyl ether	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Dibromochloromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Dibromomethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Dichlorodifluoromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Ethyl Acetate	ND	44	1	B2C1326	03/23/2022	03/23/22 19:53	
Ethyl Ether	ND	44	1	B2C1326	03/23/2022	03/23/22 19:53	
Ethyl tert-butyl ether	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Ethylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Freon-113	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Hexachlorobutadiene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Isopropylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
m,p-Xylene	ND	8.9	1	B2C1326	03/23/2022	03/23/22 19:53	
Methylene chloride	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
MTBE	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
n-Butylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
n-Propylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Naphthalene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
o-Xylene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
sec-Butylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Styrene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
tert-Amyl methyl ether	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
tert-Butanol	ND	89	1	B2C1326	03/23/2022	03/23/22 19:53	
tert-Butylbenzene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Tetrachloroethene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Toluene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
trans-1,2-Dichloroethene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
trans-1,3-Dichloropropene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Trichloroethene	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Trichlorofluoromethane	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Vinyl acetate	ND	44	1	B2C1326	03/23/2022	03/23/22 19:53	
Vinyl chloride	ND	4.4	1	B2C1326	03/23/2022	03/23/22 19:53	
Surrogate: 1,2-Dichloroethane-d4	124 %	66 - 200		B2C1326	03/23/2022	03/23/22 19:53	
Surrogate: 4-Bromofluorobenzene	93.0 %	50 - 146		B2C1326	03/23/2022	03/23/22 19:53	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 04/01/2022

**Client Sample ID: SV-18-14**

**Lab ID: 2200432-15**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	116 %	77 - 159		B2C1326	03/23/2022	03/23/22 19:53	
<i>Surrogate: Toluene-d8</i>	94.6 %	81 - 128		B2C1326	03/23/2022	03/23/22 19:53	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.83	1	B2C1453	03/30/2022	03/30/22 05:37	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.4 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 05:37	

**Client Sample ID: SV-19-1**

**Lab ID: 2200432-16**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<b>Antimony</b>	<b>38</b>	2.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Arsenic	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
<b>Barium</b>	<b>86</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
<b>Beryllium</b>	<b>2.2</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Cadmium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
<b>Cobalt</b>	<b>4.8</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
<b>Copper</b>	<b>8.9</b>	2.0	1	B2C1373	03/24/2022	03/29/22 14:17	
<b>Lead</b>	<b>8.9</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Molybdenum	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
<b>Nickel</b>	<b>11</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
<b>Selenium</b>	<b>1.4</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Silver	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
Thallium	ND	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
<b>Vanadium</b>	<b>23</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	
<b>Zinc</b>	<b>43</b>	1.0	1	B2C1373	03/24/2022	03/29/22 14:17	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 04/01/2022

**Client Sample ID: SV-19-5.5**

**Lab ID: 2200432-17**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 21:02	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 21:02	
<i>Surrogate: p-Terphenyl</i>	<i>105 %</i>	<i>62 - 141</i>		B2C1361	03/24/2022	<i>03/25/22 21:02</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1,1-Trichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1,2-Trichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1-Dichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,1-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2,3-Trichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2-Dibromoethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2-Dichloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,2-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,3-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,3-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
1,4-Dichlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
2,2-Dichloropropane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
2-Chlorotoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
4-Chlorotoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
4-Isopropyltoluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Benzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Bromobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Bromochloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Bromodichloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Bromoform	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Bromomethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Carbon disulfide	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 04/01/2022

**Client Sample ID: SV-19-5.5**

**Lab ID: 2200432-17**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Chlorobenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Chloroethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Chloroform	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Chloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Di-isopropyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Dibromochloromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Dibromomethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Dichlorodifluoromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Ethyl Acetate	ND	41	1	B2C1326	03/23/2022	03/23/22 20:19	
Ethyl Ether	ND	41	1	B2C1326	03/23/2022	03/23/22 20:19	
Ethyl tert-butyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Ethylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Freon-113	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Hexachlorobutadiene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Isopropylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
m,p-Xylene	ND	8.2	1	B2C1326	03/23/2022	03/23/22 20:19	
Methylene chloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
MTBE	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
n-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
n-Propylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Naphthalene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
o-Xylene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
sec-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Styrene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
tert-Amyl methyl ether	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
tert-Butanol	ND	82	1	B2C1326	03/23/2022	03/23/22 20:19	
tert-Butylbenzene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Tetrachloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Toluene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Trichloroethene	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Trichlorofluoromethane	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	
Vinyl acetate	ND	41	1	B2C1326	03/23/2022	03/23/22 20:19	
Vinyl chloride	ND	4.1	1	B2C1326	03/23/2022	03/23/22 20:19	

Surrogate: 1,2-Dichloroethane-d4

130 %

66 - 200

B2C1326

03/23/2022

03/23/22 20:19

Surrogate: 4-Bromofluorobenzene

101 %

50 - 146

B2C1326

03/23/2022

03/23/22 20:19



### Certificate of Analysis

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Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 04/01/2022

**Client Sample ID: SV-19-5.5**  
**Lab ID: 2200432-17**

#### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	119 %	77 - 159		B2C1326	03/23/2022	03/23/22 20:19	
<i>Surrogate: Toluene-d8</i>	95.2 %	81 - 128		B2C1326	03/23/2022	03/23/22 20:19	

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1453	03/30/2022	03/30/22 06:01	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.0 %	47.6 - 121.18		B2C1453	03/30/2022	03/30/22 06:01	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-19-14**  
**Lab ID: 2200432-18**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1361	03/24/2022	03/25/22 21:24	
C23-C32	ND	10	1	B2C1361	03/24/2022	03/25/22 21:24	
<i>Surrogate: p-Terphenyl</i>	<i>104 %</i>	<i>62 - 141</i>		B2C1361	03/24/2022	03/25/22 21:24	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1,1-Trichloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1,2-Trichloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1-Dichloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1-Dichloroethene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,1-Dichloropropene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2,3-Trichloropropane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2,3-Trichlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2,4-Trichlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2,4-Trimethylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2-Dibromo-3-chloropropane	ND	10	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2-Dibromoethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2-Dichlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2-Dichloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,2-Dichloropropane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,3,5-Trimethylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,3-Dichlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,3-Dichloropropane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
1,4-Dichlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
2,2-Dichloropropane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
2-Chlorotoluene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
4-Chlorotoluene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
4-Isopropyltoluene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Benzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Bromobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Bromochloromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Bromodichloromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Bromoform	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Bromomethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Carbon disulfide	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	



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 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

**Client Sample ID: SV-19-14**

**Lab ID: 2200432-18**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Chlorobenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Chloroethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Chloroform	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Chloromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
cis-1,2-Dichloroethene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
cis-1,3-Dichloropropene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Di-isopropyl ether	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Dibromochloromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Dibromomethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Dichlorodifluoromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Ethyl Acetate	ND	50	1	B2C1326	03/23/2022	03/23/22 20:45	
Ethyl Ether	ND	50	1	B2C1326	03/23/2022	03/23/22 20:45	
Ethyl tert-butyl ether	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Ethylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Freon-113	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Hexachlorobutadiene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Isopropylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
m,p-Xylene	ND	10	1	B2C1326	03/23/2022	03/23/22 20:45	
Methylene chloride	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
MTBE	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
n-Butylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
n-Propylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Naphthalene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
o-Xylene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
sec-Butylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Styrene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
tert-Amyl methyl ether	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
tert-Butanol	ND	100	1	B2C1326	03/23/2022	03/23/22 20:45	
tert-Butylbenzene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Tetrachloroethene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Toluene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
trans-1,2-Dichloroethene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
trans-1,3-Dichloropropene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Trichloroethene	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Trichlorofluoromethane	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	
Vinyl acetate	ND	50	1	B2C1326	03/23/2022	03/23/22 20:45	
Vinyl chloride	ND	5.0	1	B2C1326	03/23/2022	03/23/22 20:45	

Surrogate: 1,2-Dichloroethane-d4      131 %      66 - 200      B2C1326      03/23/2022      03/23/22 20:45  
 Surrogate: 4-Bromofluorobenzene      101 %      50 - 146      B2C1326      03/23/2022      03/23/22 20:45





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Report To : Vinnie Robino / Josh Voss

Reported : 04/01/2022

**Client Sample ID: SV-19-14**

**Lab ID: 2200432-18**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	123 %	77 - 159		B2C1326	03/23/2022	03/23/22 20:45	
<i>Surrogate: Toluene-d8</i>	96.5 %	81 - 128		B2C1326	03/23/2022	03/23/22 20:45	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.97	1	B2C1459	03/30/2022	03/30/22 13:58	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.5 %	47.6 - 121.18		B2C1459	03/30/2022	03/30/22 13:58	



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### QUALITY CONTROL SECTION

#### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1453 - GCVOA_S</b>										
<b>Blank (B2C1453-BLK1)</b>					Prepared: 3/29/2022 Analyzed: 3/29/2022					
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6373</i>			<i>0.800000</i>		<i>79.7</i>	<i>47.6 - 121.18</i>			
<b>LCS (B2C1453-BS1)</b>					Prepared: 3/29/2022 Analyzed: 3/29/2022					
Gasoline Range Organics	5.72400	1.0	0.13	5.00000		114	58.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7454</i>			<i>0.800000</i>		<i>93.2</i>	<i>47.6 - 121.18</i>			
<b>LCS Dup (B2C1453-BSD1)</b>					Prepared: 3/29/2022 Analyzed: 3/29/2022					
Gasoline Range Organics	5.75300	1.0	0.13	5.00000		115	58.69 - 124.04	0.505	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7309</i>			<i>0.800000</i>		<i>91.4</i>	<i>47.6 - 121.18</i>			



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### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1459 - GCVOA_S</b>									
<b>Blank (B2C1459-BLK1)</b>					Prepared: 3/30/2022 Analyzed: 3/30/2022				
C4-C12	ND	1.0	0.13						
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.6940</i>			<i>0.800000</i>		<i>86.7</i>	<i>47.6 - 121.18</i>		
<b>LCS (B2C1459-BS1)</b>					Prepared: 3/30/2022 Analyzed: 3/30/2022				
Gasoline Range Organics	5.68800	1.0	0.13	5.00000		114	58.69 - 124.04		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7127</i>			<i>0.800000</i>		<i>89.1</i>	<i>47.6 - 121.18</i>		
<b>LCS Dup (B2C1459-BSD1)</b>					Prepared: 3/30/2022 Analyzed: 3/30/2022				
Gasoline Range Organics	5.82100	1.0	0.13	5.00000		116	58.69 - 124.04	2.31	20
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.7060</i>			<i>0.800000</i>		<i>88.3</i>	<i>47.6 - 121.18</i>		



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1373 - EPA 3050B\_S**

**Blank (B2C1373-BLK1)**

Prepared: 3/24/2022 Analyzed: 3/29/2022

Antimony	ND	2.0	0.51	
Arsenic	ND	1.0	0.12	
Barium	ND	1.0	0.12	
Beryllium	ND	1.0	0.03	
Cadmium	ND	1.0	0.14	
Chromium	ND	1.0	0.26	
Cobalt	ND	1.0	0.07	
Copper	ND	2.0	0.19	
Lead	ND	1.0	0.18	
Molybdenum	ND	1.0	0.12	
Nickel	ND	1.0	0.18	
Selenium	ND	1.0	0.40	
Silver	ND	1.0	0.12	
Thallium	ND	1.0	0.38	
Vanadium	ND	1.0	0.06	
Zinc	ND	1.0	0.15	

**LCS (B2C1373-BS1)**

Prepared: 3/24/2022 Analyzed: 3/29/2022

Antimony	26.7387	2.0	0.51	25.0000	107	80 - 120
Arsenic	25.5856	1.0	0.12	25.0000	102	80 - 120
Barium	25.9237	1.0	0.12	25.0000	104	80 - 120
Beryllium	25.8073	1.0	0.03	25.0100	103	80 - 120
Cadmium	26.6848	1.0	0.14	25.0000	107	80 - 120
Chromium	26.0574	1.0	0.26	25.0000	104	80 - 120
Cobalt	24.7263	1.0	0.07	25.0000	98.9	80 - 120
Copper	25.3644	2.0	0.19	25.0000	101	80 - 120
Lead	27.6089	1.0	0.18	25.0000	110	80 - 120
Molybdenum	27.4365	1.0	0.12	25.0000	110	80 - 120
Nickel	24.9677	1.0	0.18	25.0000	99.9	80 - 120
Selenium	26.8538	1.0	0.40	25.0000	107	80 - 120
Silver	12.0203	1.0	0.12	12.5000	96.2	80 - 120
Thallium	25.9749	1.0	0.38	25.0000	104	80 - 120
Vanadium	23.8848	1.0	0.06	25.0000	95.5	80 - 120
Zinc	27.7191	1.0	0.15	25.0000	111	80 - 120

**Matrix Spike (B2C1373-MS1)**

**Source: 2200431-01**

Prepared: 3/24/2022 Analyzed: 3/29/2022

Antimony	67.8792	2.0	0.51	25.0000	62.0613	23.3	0 - 102	
Arsenic	11.2800	1.0	0.12	25.0000	ND	45.1	55 - 117	M2
Barium	106.673	1.0	0.12	25.0000	85.9472	82.9	11 - 177	
Beryllium	26.7829	1.0	0.03	25.0100	3.11318	94.6	64 - 115	
Cadmium	28.1176	1.0	0.14	25.0000	3.39231	98.9	62 - 116	
Chromium	43.7043	1.0	0.26	25.0000	19.3901	97.3	42 - 145	
Cobalt	102.874	1.0	0.07	25.0000	82.0082	83.5	60 - 126	
Copper	43.8188	2.0	0.19	25.0000	17.5409	105	37 - 163	
Lead	5827.55	50	9.1	25.0000	55013.8	-197000	26 - 161	M2



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1373 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1373-MS1) - Continued**

**Source: 2200431-01**

Prepared: 3/24/2022 Analyzed: 3/29/2022

Molybdenum	12.7771	1.0	0.12	25.0000	1.11022	46.7	31 - 122			
Nickel	38.9446	1.0	0.18	25.0000	13.2089	103	52 - 130			
Selenium	15.7298	1.0	0.40	25.0000	ND	62.9	25 - 129			
Silver	12.7222	1.0	0.12	12.5000	0.634816	96.7	48 - 133			
Thallium	29.1333	1.0	0.38	25.0000	5.82334	93.2	25 - 119			
Vanadium	37.0954	1.0	0.06	25.0000	14.0785	92.1	51 - 141			
Zinc	7924.81	10	1.5	25.0000	8043.14	-473	8 - 170			M2

**Matrix Spike Dup (B2C1373-MSD1)**

**Source: 2200431-01**

Prepared: 3/24/2022 Analyzed: 3/29/2022

Antimony	68.1830	2.0	0.51	25.0000	62.0613	24.5	0 - 102	0.446	20	
Arsenic	11.3274	1.0	0.12	25.0000	ND	45.3	55 - 117	0.419	20	M2
Barium	105.257	1.0	0.12	25.0000	85.9472	77.2	11 - 177	1.34	20	
Beryllium	26.6799	1.0	0.03	25.0100	3.11318	94.2	64 - 115	0.385	20	
Cadmium	27.9098	1.0	0.14	25.0000	3.39231	98.1	62 - 116	0.742	20	
Chromium	42.9280	1.0	0.26	25.0000	19.3901	94.2	42 - 145	1.79	20	
Cobalt	101.736	1.0	0.07	25.0000	82.0082	78.9	60 - 126	1.11	20	
Copper	42.5440	2.0	0.19	25.0000	17.5409	100	37 - 163	2.95	20	
Lead	5567.04	50	9.1	25.0000	55013.8	-198000	26 - 161	4.57	20	M2
Molybdenum	12.7864	1.0	0.12	25.0000	1.11022	46.7	31 - 122	0.0735	20	
Nickel	39.2565	1.0	0.18	25.0000	13.2089	104	52 - 130	0.798	20	
Selenium	15.7399	1.0	0.40	25.0000	ND	63.0	25 - 129	0.0638	20	
Silver	12.6516	1.0	0.12	12.5000	0.634816	96.1	48 - 133	0.556	20	
Thallium	27.9840	1.0	0.38	25.0000	5.82334	88.6	25 - 119	4.02	20	
Vanadium	36.3286	1.0	0.06	25.0000	14.0785	89.0	51 - 141	2.09	20	
Zinc	8145.65	10	1.5	25.0000	8043.14	410	8 - 170	2.75	20	M2



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### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1405 - EPA 7471_S</b>									
<b>Blank (B2C1405-BLK1)</b>					Prepared: 3/28/2022 Analyzed: 3/30/2022				
Mercury	ND	0.10	0.01						
<b>LCS (B2C1405-BS1)</b>					Prepared: 3/28/2022 Analyzed: 3/31/2022				
Mercury	0.454490	0.10	0.01	0.416667		109	80 - 120		
<b>Matrix Spike (B2C1405-MS1)</b>					Prepared: 3/28/2022 Analyzed: 3/30/2022				
<b>Source: 2200337-08</b>									
Mercury	0.596987	0.10	0.01	0.416667	ND	143	70 - 130		M2
<b>Matrix Spike (B2C1405-MS2)</b>					Prepared: 3/28/2022 Analyzed: 3/30/2022				
<b>Source: 2200343-01</b>									
Mercury	0.594881	0.10	0.01	0.416667	ND	143	70 - 130		M2
<b>Matrix Spike Dup (B2C1405-MSD1)</b>					Prepared: 3/28/2022 Analyzed: 3/30/2022				
<b>Source: 2200337-08</b>									
Mercury	0.599875	0.10	0.01	0.416667	ND	144	70 - 130	0.483	20 M2



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### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C1405 - EPA 7471\_S

Post Spike (B2C1405-PS1)

Source: 2200337-08

Prepared: 3/28/2022 Analyzed: 3/30/2022

Mercury	0.003902		5.00000E-3	-0.000200	78.0	85 - 115			M2
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### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1361 - GCSEMI_DRO_S</b>										
<b>Blank (B2C1361-BLK1)</b>					Prepared: 3/24/2022 Analyzed: 3/25/2022					
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<i>Surrogate: p-Terphenyl</i>	80.33			80.0000		100	62 - 141			
<b>Blank (B2C1361-BLK2)</b>					Prepared: 3/24/2022 Analyzed: 3/28/2022					
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<i>Surrogate: p-Terphenyl</i>	78.29			80.0000		97.9	62 - 141			
<b>LCS (B2C1361-BS1)</b>					Prepared: 3/24/2022 Analyzed: 3/25/2022					
DRO	1005.17	10	3.6	1000.00		101	56 - 139			
<i>Surrogate: p-Terphenyl</i>	87.15			80.0000		109	62 - 141			
<b>LCS (B2C1361-BS2)</b>					Prepared: 3/24/2022 Analyzed: 3/28/2022					
DRO	983.436	10	3.6	1000.00		98.3	56 - 139			
<i>Surrogate: p-Terphenyl</i>	85.59			80.0000		107	62 - 141			
<b>Matrix Spike (B2C1361-MS1)</b>					Prepared: 3/24/2022 Analyzed: 3/25/2022					
					<b>Source: 2200432-02</b>					
DRO	876.045	10	3.6	1000.00	9.60300	86.6	38 - 161			
<i>Surrogate: p-Terphenyl</i>	88.41			80.0000		111	62 - 141			
<b>Matrix Spike Dup (B2C1361-MSD1)</b>					Prepared: 3/24/2022 Analyzed: 3/25/2022					
					<b>Source: 2200432-02</b>					
DRO	1025.95	10	3.6	1000.00	9.60300	102	38 - 161	15.8	20	
<i>Surrogate: p-Terphenyl</i>	102.3			80.0000		128	62 - 141			





## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1326 - MSVOA\_S**

**Blank (B2C1326-BLK1)**

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1326 - MSVOA\_S (continued)**

**Blank (B2C1326-BLK1) - Continued**

Prepared: 3/23/2022 Analyzed: 3/23/2022

Ethylbenzene	ND	5.0	0.43
Freon-113	ND	5.0	1.3
Hexachlorobutadiene	ND	5.0	0.40
Isopropylbenzene	ND	5.0	0.79
m,p-Xylene	ND	10	0.98
Methylene chloride	ND	5.0	2.2
MTBE	ND	5.0	0.81
n-Butylbenzene	ND	5.0	1.2
n-Propylbenzene	ND	5.0	0.78
Naphthalene	ND	5.0	1.1
o-Xylene	ND	5.0	0.67
sec-Butylbenzene	ND	5.0	0.63
Styrene	ND	5.0	0.45
tert-Amyl methyl ether	ND	5.0	1.1
tert-Butanol	ND	100	11
tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	63.75	50.0000	128	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	44.48	50.0000	89.0	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	59.34	50.0000	119	77 - 159
<i>Surrogate: Toluene-d8</i>	48.88	50.0000	97.8	81 - 128

**Blank (B2C1326-BLK2)**

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52
1,1,1-Trichloroethane	ND	5.0	0.26
1,1,2,2-Tetrachloroethane	ND	5.0	0.21
1,1,2-Trichloroethane	ND	5.0	0.40
1,1-Dichloroethane	ND	5.0	1.4
1,1-Dichloroethene	ND	5.0	1.9
1,1-Dichloropropene	ND	5.0	0.54
1,2,3-Trichloropropane	ND	5.0	0.40
1,2,3-Trichlorobenzene	ND	5.0	0.83
1,2,4-Trichlorobenzene	ND	5.0	0.80
1,2,4-Trimethylbenzene	ND	5.0	0.91
1,2-Dibromo-3-chloropropane	ND	10	1.1
1,2-Dibromoethane	ND	5.0	0.40
1,2-Dichlorobenzene	ND	5.0	0.21
1,2-Dichloroethane	ND	5.0	0.50



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1326 - MSVOA\_S (continued)**

**Blank (B2C1326-BLK2) - Continued**

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						
Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1326 - MSVOA\_S (continued)**

**Blank (B2C1326-BLK2) - Continued**

Prepared: 3/23/2022 Analyzed: 3/23/2022

tert-Butylbenzene	ND	5.0	0.80
Tetrachloroethene	ND	5.0	0.31
Toluene	ND	5.0	0.27
trans-1,2-Dichloroethene	ND	5.0	0.56
trans-1,3-Dichloropropene	ND	5.0	0.59
Trichloroethene	ND	5.0	0.32
Trichlorofluoromethane	ND	5.0	1.0
Vinyl acetate	ND	50	6.0
Vinyl chloride	ND	5.0	0.92

<i>Surrogate: 1,2-Dichloroethane-d4</i>	59.75		50.0000	120	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	46.67		50.0000	93.3	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	56.23		50.0000	112	77 - 159
<i>Surrogate: Toluene-d8</i>	48.20		50.0000	96.4	81 - 128

**LCS (B2C1326-BS1)**

Prepared: 3/23/2022 Analyzed: 3/23/2022

1,1,1,2-Tetrachloroethane	43.4200	5.0	0.52	50.0000	86.8	84 - 123
1,1,1-Trichloroethane	51.8300	5.0	0.26	50.0000	104	78 - 133
1,1,2,2-Tetrachloroethane	41.2300	5.0	0.21	50.0000	82.5	63 - 127
1,1,2-Trichloroethane	49.3300	5.0	0.40	50.0000	98.7	80 - 125
1,1-Dichloroethane	50.2700	5.0	1.4	50.0000	101	77 - 128
1,1-Dichloroethene	52.4400	5.0	1.9	50.0000	105	69 - 138
1,1-Dichloropropene	47.7900	5.0	0.54	50.0000	95.6	80 - 133
1,2,3-Trichloropropane	44.9500	5.0	0.40	50.0000	89.9	74 - 123
1,2,3-Trichlorobenzene	42.7400	5.0	0.83	50.0000	85.5	79 - 133
1,2,4-Trichlorobenzene	42.2200	5.0	0.80	50.0000	84.4	73 - 131
1,2,4-Trimethylbenzene	43.6800	5.0	0.91	50.0000	87.4	86 - 137
1,2-Dibromo-3-chloropropane	44.0100	10	1.1	50.0000	88.0	62 - 127
1,2-Dibromoethane	46.4700	5.0	0.40	50.0000	92.9	83 - 126
1,2-Dichlorobenzene	41.8300	5.0	0.21	50.0000	83.7	83 - 123
1,2-Dichloroethane	52.0200	5.0	0.50	50.0000	104	76 - 128
1,2-Dichloropropane	47.0800	5.0	0.46	50.0000	94.2	77 - 121
1,3,5-Trimethylbenzene	44.3200	5.0	0.70	50.0000	88.6	84 - 135
1,3-Dichlorobenzene	44.5600	5.0	0.36	50.0000	89.1	81 - 126
1,3-Dichloropropane	43.1600	5.0	0.49	50.0000	86.3	80 - 118
1,4-Dichlorobenzene	43.6700	5.0	0.27	50.0000	87.3	80 - 124
2,2-Dichloropropane	51.6500	5.0	0.28	50.0000	103	72 - 135
2-Chlorotoluene	44.3400	5.0	0.53	50.0000	88.7	81 - 127
4-Chlorotoluene	44.7700	5.0	0.40	50.0000	89.5	83 - 127
4-Isopropyltoluene	43.8500	5.0	0.81	50.0000	87.7	82 - 143
Benzene	48.7300	5.0	0.36	50.0000	97.5	84 - 123
Bromobenzene	44.9400	5.0	0.62	50.0000	89.9	80 - 122
Bromochloromethane	49.7700	5.0	0.30	50.0000	99.5	83 - 127
Bromodichloromethane	52.1900	5.0	0.52	50.0000	104	82 - 123
Bromoform	42.5300	5.0	1.4	50.0000	85.1	80 - 132
Bromomethane	66.2600	5.0	2.5	50.0000	133	67 - 176



## Certificate of Analysis

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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1326 - MSVOA_S (continued)</b>									
<b>LCS (B2C1326-BS1) - Continued</b>					Prepared: 3/23/2022 Analyzed: 3/23/2022				
Carbon disulfide	51.1100	5.0	0.94	50.0000		102	75 - 138		
Carbon tetrachloride	49.7300	5.0	0.73	50.0000		99.5	76 - 131		
Chlorobenzene	44.6600	5.0	0.42	50.0000		89.3	84 - 119		
Chloroethane	61.4200	5.0	1.5	50.0000		123	56 - 170		
Chloroform	52.4100	5.0	0.24	50.0000		105	78 - 129		
Chloromethane	40.9000	5.0	1.1	50.0000		81.8	63 - 141		
cis-1,2-Dichloroethene	37.1600	5.0	0.20	50.0000		74.3	83 - 125		L3
cis-1,3-Dichloropropene	39.0000	5.0	0.39	50.0000		78.0	76 - 129		
Di-isopropyl ether	44.4300	5.0	1.9	50.0000		88.9	73 - 132		
Dibromochloromethane	44.4300	5.0	0.81	50.0000		88.9	81 - 120		
Dibromomethane	46.6400	5.0	0.23	50.0000		93.3	79 - 124		
Dichlorodifluoromethane	39.4400	5.0	0.14	50.0000		78.9	18 - 199		
Ethyl Acetate	25.1500	50	7.0	500.000		5.03	76 - 138		MO
Ethyl Ether	591.990	50	17	500.000		118	74 - 128		
Ethyl tert-butyl ether	43.8600	5.0	0.85	50.0000		87.7	50 - 175		
Ethylbenzene	45.2400	5.0	0.43	50.0000		90.5	86 - 130		
Freon-113	57.3200	5.0	1.3	50.0000		115	66 - 132		
Hexachlorobutadiene	45.5600	5.0	0.40	50.0000		91.1	64 - 135		
Isopropylbenzene	44.9000	5.0	0.79	50.0000		89.8	80 - 133		
m,p-Xylene	90.6700	10	0.98	100.000		90.7	89 - 133		
Methylene chloride	46.4000	5.0	2.2	50.0000		92.8	72 - 143		
MTBE	43.7100	5.0	0.81	50.0000		87.4	73 - 136		
n-Butylbenzene	43.6800	5.0	1.2	50.0000		87.4	76 - 144		
n-Propylbenzene	43.7300	5.0	0.78	50.0000		87.5	81 - 136		
Naphthalene	38.8800	5.0	1.1	50.0000		77.8	64 - 128		
o-Xylene	44.8100	5.0	0.67	50.0000		89.6	82 - 134		
sec-Butylbenzene	42.9900	5.0	0.63	50.0000		86.0	81 - 138		
Styrene	43.3100	5.0	0.45	50.0000		86.6	79 - 152		
tert-Amyl methyl ether	42.2300	5.0	1.1	50.0000		84.5	48 - 166		
tert-Butanol	162.640	100	11	250.000		65.1	48 - 148		
tert-Butylbenzene	43.0600	5.0	0.80	50.0000		86.1	81 - 135		
Tetrachloroethene	44.8900	5.0	0.31	50.0000		89.8	75 - 127		
Toluene	47.0500	5.0	0.27	50.0000		94.1	88 - 130		
trans-1,2-Dichloroethene	63.8600	5.0	0.56	50.0000		128	79 - 127		L3
trans-1,3-Dichloropropene	45.6800	5.0	0.59	50.0000		91.4	80 - 130		
Trichloroethene	48.9700	5.0	0.32	50.0000		97.9	83 - 126		
Trichlorofluoromethane	59.1000	5.0	1.0	50.0000		118	62 - 143		
Vinyl acetate	35.4700	50	6.0	500.000		7.09	69 - 150		MO
Vinyl chloride	53.6800	5.0	0.92	50.0000		107	69 - 140		

Surrogate: 1,2-Dichloroethane-d4	57.68			50.0000		115	66 - 200		
Surrogate: 4-Bromofluorobenzene	47.94			50.0000		95.9	50 - 146		
Surrogate: Dibromofluoromethane	52.27			50.0000		105	77 - 159		
Surrogate: Toluene-d8	48.38			50.0000		96.8	81 - 128		

LCS Dup (B2C1326-BSD1)

Prepared: 3/23/2022 Analyzed: 3/23/2022



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
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Reported : 04/01/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1326 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2C1326-BSD1) - Continued</b>					Prepared: 3/23/2022 Analyzed: 3/23/2022				
1,1,1,2-Tetrachloroethane	45.6100	5.0	0.52	50.0000		91.2	84 - 123	4.92	20
1,1,1-Trichloroethane	53.6900	5.0	0.26	50.0000		107	78 - 133	3.53	20
1,1,2,2-Tetrachloroethane	46.1800	5.0	0.21	50.0000		92.4	63 - 127	11.3	20
1,1,2-Trichloroethane	48.4400	5.0	0.40	50.0000		96.9	80 - 125	1.82	20
1,1-Dichloroethane	52.3200	5.0	1.4	50.0000		105	77 - 128	4.00	20
1,1-Dichloroethene	53.2100	5.0	1.9	50.0000		106	69 - 138	1.46	20
1,1-Dichloropropene	50.2200	5.0	0.54	50.0000		100	80 - 133	4.96	20
1,2,3-Trichloropropane	46.6100	5.0	0.40	50.0000		93.2	74 - 123	3.63	20
1,2,3-Trichlorobenzene	49.8700	5.0	0.83	50.0000		99.7	79 - 133	15.4	20
1,2,4-Trichlorobenzene	45.2100	5.0	0.80	50.0000		90.4	73 - 131	6.84	20
1,2,4-Trimethylbenzene	48.3400	5.0	0.91	50.0000		96.7	86 - 137	10.1	20
1,2-Dibromo-3-chloropropane	44.6000	10	1.1	50.0000		89.2	62 - 127	1.33	20
1,2-Dibromoethane	48.2300	5.0	0.40	50.0000		96.5	83 - 126	3.72	20
1,2-Dichlorobenzene	46.8000	5.0	0.21	50.0000		93.6	83 - 123	11.2	20
1,2-Dichloroethane	55.8700	5.0	0.50	50.0000		112	76 - 128	7.14	20
1,2-Dichloropropane	45.2400	5.0	0.46	50.0000		90.5	77 - 121	3.99	20
1,3,5-Trimethylbenzene	48.8500	5.0	0.70	50.0000		97.7	84 - 135	9.72	20
1,3-Dichlorobenzene	47.6000	5.0	0.36	50.0000		95.2	81 - 126	6.60	20
1,3-Dichloropropane	48.5600	5.0	0.49	50.0000		97.1	80 - 118	11.8	20
1,4-Dichlorobenzene	49.3800	5.0	0.27	50.0000		98.8	80 - 124	12.3	20
2,2-Dichloropropane	52.1500	5.0	0.28	50.0000		104	72 - 135	0.963	20
2-Chlorotoluene	48.7700	5.0	0.53	50.0000		97.5	81 - 127	9.52	20
4-Chlorotoluene	50.3400	5.0	0.40	50.0000		101	83 - 127	11.7	20
4-Isopropyltoluene	47.9800	5.0	0.81	50.0000		96.0	82 - 143	8.99	20
Benzene	48.3100	5.0	0.36	50.0000		96.6	84 - 123	0.866	20
Bromobenzene	49.7300	5.0	0.62	50.0000		99.5	80 - 122	10.1	20
Bromochloromethane	47.2900	5.0	0.30	50.0000		94.6	83 - 127	5.11	20
Bromodichloromethane	52.1100	5.0	0.52	50.0000		104	82 - 123	0.153	20
Bromoform	45.9300	5.0	1.4	50.0000		91.9	80 - 132	7.69	20
Bromomethane	72.9200	5.0	2.5	50.0000		146	67 - 176	9.57	20
Carbon disulfide	51.5400	5.0	0.94	50.0000		103	75 - 138	0.838	20
Carbon tetrachloride	49.1300	5.0	0.73	50.0000		98.3	76 - 131	1.21	20
Chlorobenzene	45.6300	5.0	0.42	50.0000		91.3	84 - 119	2.15	20
Chloroethane	59.2700	5.0	1.5	50.0000		119	56 - 170	3.56	20
Chloroform	53.7100	5.0	0.24	50.0000		107	78 - 129	2.45	20
Chloromethane	47.0400	5.0	1.1	50.0000		94.1	63 - 141	14.0	20
cis-1,2-Dichloroethene	41.5000	5.0	0.20	50.0000		83.0	83 - 125	11.0	20
cis-1,3-Dichloropropene	39.3000	5.0	0.39	50.0000		78.6	76 - 129	0.766	20
Di-isopropyl ether	47.8300	5.0	1.9	50.0000		95.7	73 - 132	7.37	20
Dibromochloromethane	42.3300	5.0	0.81	50.0000		84.7	81 - 120	4.84	20
Dibromomethane	50.0800	5.0	0.23	50.0000		100	79 - 124	7.11	20
Dichlorodifluoromethane	41.0600	5.0	0.14	50.0000		82.1	18 - 199	4.02	20
Ethyl Acetate	29.4700	50	7.0	500.000		5.89	76 - 138	15.8	20 MO
Ethyl Ether	596.780	50	17	500.000		119	74 - 128	0.806	20
Ethyl tert-butyl ether	47.1000	5.0	0.85	50.0000		94.2	50 - 175	7.12	20



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 04/01/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1326 - MSVOA_S (continued)</b>									
<b>LCS Dup (B2C1326-BSD1) - Continued</b>					Prepared: 3/23/2022 Analyzed: 3/23/2022				
Ethylbenzene	47.9000	5.0	0.43	50.0000		95.8	86 - 130	5.71	20
Freon-113	56.0600	5.0	1.3	50.0000		112	66 - 132	2.22	20
Hexachlorobutadiene	48.6500	5.0	0.40	50.0000		97.3	64 - 135	6.56	20
Isopropylbenzene	48.8500	5.0	0.79	50.0000		97.7	80 - 133	8.43	20
m,p-Xylene	92.9300	10	0.98	100.000		92.9	89 - 133	2.46	20
Methylene chloride	50.8900	5.0	2.2	50.0000		102	72 - 143	9.23	20
MTBE	46.8200	5.0	0.81	50.0000		93.6	73 - 136	6.87	20
n-Butylbenzene	47.8600	5.0	1.2	50.0000		95.7	76 - 144	9.13	20
n-Propylbenzene	49.3500	5.0	0.78	50.0000		98.7	81 - 136	12.1	20
Naphthalene	44.3600	5.0	1.1	50.0000		88.7	64 - 128	13.2	20
o-Xylene	44.9800	5.0	0.67	50.0000		90.0	82 - 134	0.379	20
sec-Butylbenzene	46.9000	5.0	0.63	50.0000		93.8	81 - 138	8.70	20
Styrene	44.2700	5.0	0.45	50.0000		88.5	79 - 152	2.19	20
tert-Amyl methyl ether	46.8000	5.0	1.1	50.0000		93.6	48 - 166	10.3	20
tert-Butanol	174.940	100	11	250.000		70.0	48 - 148	7.29	20
tert-Butylbenzene	46.7600	5.0	0.80	50.0000		93.5	81 - 135	8.24	20
Tetrachloroethene	43.6600	5.0	0.31	50.0000		87.3	75 - 127	2.78	20
Toluene	48.7400	5.0	0.27	50.0000		97.5	88 - 130	3.53	20
trans-1,2-Dichloroethene	70.6200	5.0	0.56	50.0000		141	79 - 127	10.1	20 L5
trans-1,3-Dichloropropene	48.3600	5.0	0.59	50.0000		96.7	80 - 130	5.70	20
Trichloroethene	50.1000	5.0	0.32	50.0000		100	83 - 126	2.28	20
Trichlorofluoromethane	57.6000	5.0	1.0	50.0000		115	62 - 143	2.57	20
Vinyl acetate	31.1100	50	6.0	500.000		6.22	69 - 150	13.1	20 MO
Vinyl chloride	56.0200	5.0	0.92	50.0000		112	69 - 140	4.27	20
<hr/>									
Surrogate: 1,2-Dichloroethane-d4	57.25			50.0000		114	66 - 200		
Surrogate: 4-Bromofluorobenzene	49.67			50.0000		99.3	50 - 146		
Surrogate: Dibromofluoromethane	56.17			50.0000		112	77 - 159		
Surrogate: Toluene-d8	49.24			50.0000		98.5	81 - 128		

2200432

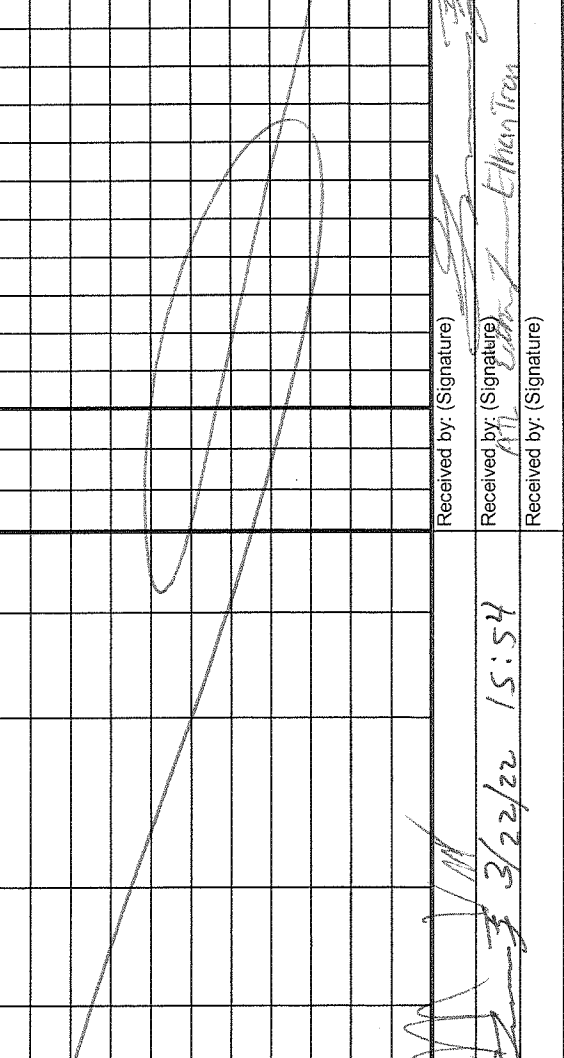
34°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		PROJECT NAME: Ontario Airport		PROJECT NO.: 5925																
TEL: (949) 679-1070		PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel																
E-MAIL: vprobrino@gsi-net.com / jcvoss@gsi-net.com		GLOBAL ID:		SAMPLER(S): (PRINT) Tiam Nabin / Josh Voss																
LABORATORY: Advanced Technology Laboratories		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.																		
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input checked="" type="checkbox"/> STANDARD																				
SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32																				
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	ANALYSES														
		DATE	TIME			T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCs 8081A	Herbicides 8051						
1	SV-14-1	3/22/22	0732	Soil	1	X	X													
2	SV-14-5.5		0745		5		X													
3	SV-14-15		0750		5		X													
4	SV-15-1		0828		1		X													
5	SV-15-5.5		0838		5		X													
6	SV-15-15		0844		5		X													
7	SV-17-1		0924		1		X													
8	SV-17-5.5		0936		5		X													
9	SV-17-15		0940		5		X													
10	SV-16-1		1036		1		X													
11	SV-16-5.5		1038		5		X													
12	SV-16-14		1044		5		X													
13	SV-18-1		1122		1		X													
14	SV-18-5.5		1134		5		X													
15	SV-18-14		1138		5		X													
Relinquished by: (Signature)		DATE		TIME		UNPRESERVED		PRESERVED		FIELD FILTERED										
Relinquished by: (Signature)		3/22/22		15:54																
Relinquished by: (Signature)		3/22/22		15:54																



2200432

34°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		PROJECT NAME: Ontario Airport		PROJECT NO.: 5925														
TEL: (949) 679-1070		PROJECT CONTACT: Vinnie Robino / Josh Voss		LAB CONTACT: Victoria Michel														
E-MAIL: vprobino@gsi-net.com / jcvoss@gsi-net.com		GLOBAL ID:		SAMPLER(S): (PRINT) Tiam Nava / Josh Voss														
LABORATORY: Advanced Technology Laboratories		<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.																
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD																		
SPECIAL INSTRUCTIONS: GRO = C4-C12; DRO = C13-C22; ORO = C23-C32																		
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Field Filtered	Preserved	Unpreserved	T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/ORO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051	
		DATE	TIME															
	5N-19-1	3/22/22	1313	soil	1				X	X	X							
	5N-19-5.5	↓	1320	↓	5				X	X	X							
	5N-19-14	↓	1325	↓	5				X	X	X							
	TB-2020322	↓	1330	water	4				X									X
																		
Relinquished by: (Signature) _____ Date: 3/22/22 Time: 1435 Relinquished by: (Signature) _____ Date: 3/22/22 Time: 15:54 Relinquished by: (Signature) _____ Date: _____ Time: _____																		

May 12, 2022

Vinnie Robino / Josh Voss  
GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine, CA 92612  
Tel: (949) 679-1070  
Fax:

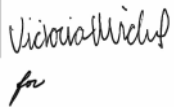
ELAP No.: 1838  
CSDLAC No.: 10196  
ORELAP No.: CA300003

Re: ATL Work Order Number : 2200446  
Client Reference : Ontario Airport / 5925

Enclosed are the results for sample(s) received on March 23, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or [Project.Management@atlglobal.com](mailto:Project.Management@atlglobal.com).

Sincerely,



Victoria Michel, Project Assistant  
[Victoria.Michel@atlglobal.com](mailto:Victoria.Michel@atlglobal.com)

Authorized to Release on 05/12/22 15:47 on Behalf of



Amy Leung  
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-6-1	2200446-01	Soil	3/23/22 7:48	3/23/22 16:05
SV-6-5.5	2200446-02	Soil	3/23/22 7:58	3/23/22 16:05
SV-6-14	2200446-03	Soil	3/23/22 8:02	3/23/22 16:05
SV-4-1	2200446-04	Soil	3/23/22 8:40	3/23/22 16:05
SV-4-5.5	2200446-05	Soil	3/23/22 8:48	3/23/22 16:05
SV-4-14	2200446-06	Soil	3/23/22 8:55	3/23/22 16:05
SV-7-1	2200446-07	Soil	3/23/22 9:38	3/23/22 16:05
SV-7-5.5	2200446-08	Soil	3/23/22 9:46	3/23/22 16:05
SV-7-14	2200446-09	Soil	3/23/22 9:50	3/23/22 16:05
SV-1-1	2200446-10	Soil	3/23/22 10:48	3/23/22 16:05
SV-1-5.5	2200446-11	Soil	3/23/22 10:58	3/23/22 16:05
SV-1-14	2200446-12	Soil	3/23/22 11:02	3/23/22 16:05
61W-43-2-1	2200446-13	Soil	3/23/22 12:28	3/23/22 16:05
61W-43-2-5.5	2200446-14	Soil	3/23/22 12:35	3/23/22 16:05
TB_20220323	2200446-15	Water	3/23/22 12:38	3/23/22 16:05



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Notes and Definitions

S4	Surrogate was diluted out.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M6	Matrix spike analyte was diluted out.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

#### Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

## Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury

Analyst: AEG

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time		Notes
								Analized		
2200446-01	SV-6-1	ND	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22	19:01	
2200446-04	SV-4-1	ND	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22	19:04	
2200446-07	SV-7-1	ND	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22	19:07	
2200446-10	SV-1-1	ND	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22	19:22	
2200446-13	61W-43-2-1	ND	mg/kg	0.10	1	B2C1405	03/28/2022	03/30/22	19:26	

Client Sample ID: SV-6-1

Lab ID: 2200446-01

## Title 22 Metals by ICP-AES EPA 6010B

Analyst: WT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time		Notes
						Analized		
<b>Antimony</b>	<b>35</b>	2.0	1	B2C1409	03/28/2022	03/29/22	18:08	
Arsenic	ND	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
<b>Barium</b>	<b>90</b>	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
<b>Beryllium</b>	<b>1.8</b>	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
Cadmium	ND	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
<b>Chromium</b>	<b>14</b>	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
<b>Cobalt</b>	<b>4.5</b>	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
<b>Copper</b>	<b>8.2</b>	2.0	1	B2C1409	03/28/2022	03/29/22	18:08	
<b>Lead</b>	<b>3.9</b>	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
Molybdenum	ND	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
<b>Nickel</b>	<b>9.2</b>	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
<b>Selenium</b>	<b>1.8</b>	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
Silver	ND	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
Thallium	ND	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
<b>Vanadium</b>	<b>21</b>	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	
<b>Zinc</b>	<b>39</b>	1.0	1	B2C1409	03/28/2022	03/29/22	18:08	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: SV-6-5.5**

**Lab ID: 2200446-02**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 12:37	
C23-C32	ND	10	1	B2C1366	03/24/2022	03/25/22 12:37	
<i>Surrogate: p-Terphenyl</i>	85.3 %	62 - 141		B2C1366	03/24/2022	03/25/22 12:37	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1,1-Trichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1,2-Trichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1-Dichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,1-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2,3-Trichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2-Dibromo-3-chloropropane	ND	8.5	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2-Dibromoethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2-Dichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,2-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,3-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,3-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
1,4-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
2,2-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
2-Chlorotoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
4-Chlorotoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
4-Isopropyltoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Benzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Bromobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Bromochloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Bromodichloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Bromoform	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Bromomethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Carbon disulfide	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-6-5.5**

**Lab ID: 2200446-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Chlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Chloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Chloroform	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Chloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Di-isopropyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Dibromochloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Dibromomethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Dichlorodifluoromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Ethyl Acetate	ND	43	1	B2C1384	03/25/2022	03/25/22 16:14	
Ethyl Ether	ND	43	1	B2C1384	03/25/2022	03/25/22 16:14	
Ethyl tert-butyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Ethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Freon-113	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Hexachlorobutadiene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Isopropylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
m,p-Xylene	ND	8.5	1	B2C1384	03/25/2022	03/25/22 16:14	
Methylene chloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
MTBE	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
n-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
n-Propylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Naphthalene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
o-Xylene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
sec-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Styrene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
tert-Amyl methyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
tert-Butanol	ND	85	1	B2C1384	03/25/2022	03/25/22 16:14	
tert-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Tetrachloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Toluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Trichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Trichlorofluoromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	
Vinyl acetate	ND	43	1	B2C1384	03/25/2022	03/25/22 16:14	
Vinyl chloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 16:14	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>131 %</i>	<i>66 - 200</i>		B2C1384	03/25/2022	<i>03/25/22 16:14</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.3 %</i>	<i>50 - 146</i>		B2C1384	03/25/2022	<i>03/25/22 16:14</i>



### Certificate of Analysis

GSI Environmental, Inc.  
19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-6-5.5**

**Lab ID: 2200446-02**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	115 %	77 - 159		B2C1384	03/25/2022	03/25/22 16:14	
<i>Surrogate: Toluene-d8</i>	99.0 %	81 - 128		B2C1384	03/25/2022	03/25/22 16:14	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1477	03/31/2022	03/31/22 17:26	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.9 %	47.6 - 121.18		B2C1477	03/31/2022	03/31/22 17:26	





# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: SV-6-14**

**Lab ID: 2200446-03**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 17:58	
<b>C23-C32</b>	<b>13</b>	10	1	B2C1366	03/24/2022	03/25/22 17:58	
<i>Surrogate: p-Terphenyl</i>	<i>109 %</i>	<i>62 - 141</i>		B2C1366	03/24/2022	<i>03/25/22 17:58</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1,1-Trichloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1,2,2-Tetrachloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1,2-Trichloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1-Dichloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1-Dichloroethene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,1-Dichloropropene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2,3-Trichloropropane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2,3-Trichlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2,4-Trichlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2,4-Trimethylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2-Dibromo-3-chloropropane	ND	8.4	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2-Dibromoethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2-Dichlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2-Dichloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,2-Dichloropropane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,3,5-Trimethylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,3-Dichlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,3-Dichloropropane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
1,4-Dichlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
2,2-Dichloropropane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
2-Chlorotoluene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
4-Chlorotoluene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
4-Isopropyltoluene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Benzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Bromobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Bromochloromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Bromodichloromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Bromoform	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Bromomethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Carbon disulfide	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-6-14**

**Lab ID: 2200446-03**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Chlorobenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Chloroethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Chloroform	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Chloromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
cis-1,2-Dichloroethene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
cis-1,3-Dichloropropene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Di-isopropyl ether	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Dibromochloromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Dibromomethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Dichlorodifluoromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Ethyl Acetate	ND	42	1	B2C1384	03/25/2022	03/25/22 16:40	
Ethyl Ether	ND	42	1	B2C1384	03/25/2022	03/25/22 16:40	
Ethyl tert-butyl ether	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Ethylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Freon-113	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Hexachlorobutadiene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Isopropylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
m,p-Xylene	ND	8.4	1	B2C1384	03/25/2022	03/25/22 16:40	
Methylene chloride	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
MTBE	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
n-Butylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
n-Propylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Naphthalene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
o-Xylene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
sec-Butylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Styrene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
tert-Amyl methyl ether	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
tert-Butanol	ND	84	1	B2C1384	03/25/2022	03/25/22 16:40	
tert-Butylbenzene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Tetrachloroethene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Toluene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
trans-1,2-Dichloroethene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
trans-1,3-Dichloropropene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Trichloroethene	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Trichlorofluoromethane	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	
Vinyl acetate	ND	42	1	B2C1384	03/25/2022	03/25/22 16:40	
Vinyl chloride	ND	4.2	1	B2C1384	03/25/2022	03/25/22 16:40	

Surrogate: 1,2-Dichloroethane-d4      130 %      66 - 200      B2C1384      03/25/2022      03/25/22 16:40  
 Surrogate: 4-Bromofluorobenzene      97.6 %      50 - 146      B2C1384      03/25/2022      03/25/22 16:40



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-6-14**

**Lab ID: 2200446-03**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	119 %	77 - 159		B2C1384	03/25/2022	03/25/22 16:40	
<i>Surrogate: Toluene-d8</i>	101 %	81 - 128		B2C1384	03/25/2022	03/25/22 16:40	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1477	03/31/2022	03/31/22 17:51	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.0 %	47.6 - 121.18		B2C1477	03/31/2022	03/31/22 17:51	

**Client Sample ID: SV-4-1**

**Lab ID: 2200446-04**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<b>Antimony</b>	<b>30</b>	2.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Arsenic	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
<b>Barium</b>	<b>83</b>	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
<b>Beryllium</b>	<b>1.6</b>	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Cadmium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
<b>Chromium</b>	<b>10</b>	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
<b>Cobalt</b>	<b>3.9</b>	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
<b>Copper</b>	<b>7.7</b>	2.0	1	B2C1409	03/28/2022	03/29/22 18:10	
<b>Lead</b>	<b>3.5</b>	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Molybdenum	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
<b>Nickel</b>	<b>8.3</b>	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
<b>Selenium</b>	<b>1.8</b>	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Silver	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
Thallium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
<b>Vanadium</b>	<b>19</b>	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	
<b>Zinc</b>	<b>33</b>	1.0	1	B2C1409	03/28/2022	03/29/22 18:10	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-4-5.5**

**Lab ID: 2200446-05**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 18:16	
<b>C23-C32</b>	<b>13</b>	10	1	B2C1366	03/24/2022	03/25/22 18:16	
<i>Surrogate: p-Terphenyl</i>	<i>110 %</i>	<i>62 - 141</i>		B2C1366	03/24/2022	<i>03/25/22 18:16</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1,1-Trichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1,2,2-Tetrachloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1,2-Trichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1-Dichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,1-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2,3-Trichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2,3-Trichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2,4-Trichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2,4-Trimethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2-Dibromo-3-chloropropane	ND	8.6	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2-Dibromoethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2-Dichloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,2-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,3,5-Trimethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,3-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,3-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
1,4-Dichlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
2,2-Dichloropropane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
2-Chlorotoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
4-Chlorotoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
4-Isopropyltoluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Benzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Bromobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Bromochloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Bromodichloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Bromoform	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Bromomethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Carbon disulfide	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-4-5.5**

**Lab ID: 2200446-05**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Chlorobenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Chloroethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Chloroform	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Chloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
cis-1,2-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
cis-1,3-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Di-isopropyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Dibromochloromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Dibromomethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Dichlorodifluoromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Ethyl Acetate	ND	43	1	B2C1384	03/25/2022	03/25/22 17:06	
Ethyl Ether	ND	43	1	B2C1384	03/25/2022	03/25/22 17:06	
Ethyl tert-butyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Ethylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Freon-113	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Hexachlorobutadiene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Isopropylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
m,p-Xylene	ND	8.6	1	B2C1384	03/25/2022	03/25/22 17:06	
Methylene chloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
MTBE	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
n-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
n-Propylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Naphthalene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
o-Xylene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
sec-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Styrene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
tert-Amyl methyl ether	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
tert-Butanol	ND	86	1	B2C1384	03/25/2022	03/25/22 17:06	
tert-Butylbenzene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Tetrachloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Toluene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
trans-1,2-Dichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
trans-1,3-Dichloropropene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Trichloroethene	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Trichlorofluoromethane	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	
Vinyl acetate	ND	43	1	B2C1384	03/25/2022	03/25/22 17:06	
Vinyl chloride	ND	4.3	1	B2C1384	03/25/2022	03/25/22 17:06	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>122 %</i>	<i>66 - 200</i>	B2C1384	03/25/2022	03/25/22 17:06
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.9 %</i>	<i>50 - 146</i>	B2C1384	03/25/2022	03/25/22 17:06



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: SV-4-5.5**

**Lab ID: 2200446-05**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	115 %	77 - 159		B2C1384	03/25/2022	03/25/22 17:06	
<i>Surrogate: Toluene-d8</i>	95.2 %	81 - 128		B2C1384	03/25/2022	03/25/22 17:06	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.83	1	B2C1477	03/31/2022	03/31/22 18:15	
<i>Surrogate: 4-Bromofluorobenzene</i>	95.3 %	47.6 - 121.18		B2C1477	03/31/2022	03/31/22 18:15	



# Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: SV-4-14**

**Lab ID: 2200446-06**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 18:35	
<b>C23-C32</b>	<b>12</b>	10	1	B2C1366	03/24/2022	03/25/22 18:35	
<i>Surrogate: p-Terphenyl</i>	86.8 %	62 - 141		B2C1366	03/24/2022	03/25/22 18:35	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1,1-Trichloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1,2,2-Tetrachloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1,2-Trichloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1-Dichloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1-Dichloroethene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,1-Dichloropropene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2,3-Trichloropropane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2,3-Trichlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2,4-Trichlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2,4-Trimethylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2-Dibromo-3-chloropropane	ND	11	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2-Dibromoethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2-Dichlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2-Dichloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,2-Dichloropropane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,3,5-Trimethylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,3-Dichlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,3-Dichloropropane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
1,4-Dichlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
2,2-Dichloropropane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
2-Chlorotoluene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
4-Chlorotoluene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
4-Isopropyltoluene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Benzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Bromobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Bromochloromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Bromodichloromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Bromoform	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Bromomethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Carbon disulfide	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-4-14**

**Lab ID: 2200446-06**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Chlorobenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Chloroethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Chloroform	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Chloromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
cis-1,2-Dichloroethene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
cis-1,3-Dichloropropene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Di-isopropyl ether	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Dibromochloromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Dibromomethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Dichlorodifluoromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Ethyl Acetate	ND	54	1	B2C1384	03/25/2022	03/25/22 17:32	
Ethyl Ether	ND	54	1	B2C1384	03/25/2022	03/25/22 17:32	
Ethyl tert-butyl ether	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Ethylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Freon-113	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Hexachlorobutadiene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Isopropylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
m,p-Xylene	ND	11	1	B2C1384	03/25/2022	03/25/22 17:32	
Methylene chloride	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
MTBE	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
n-Butylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
n-Propylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Naphthalene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
o-Xylene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
sec-Butylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Styrene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
tert-Amyl methyl ether	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
tert-Butanol	ND	110	1	B2C1384	03/25/2022	03/25/22 17:32	
tert-Butylbenzene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Tetrachloroethene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Toluene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
trans-1,2-Dichloroethene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
trans-1,3-Dichloropropene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Trichloroethene	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Trichlorofluoromethane	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	
Vinyl acetate	ND	54	1	B2C1384	03/25/2022	03/25/22 17:32	
Vinyl chloride	ND	5.4	1	B2C1384	03/25/2022	03/25/22 17:32	

Surrogate: 1,2-Dichloroethane-d4      125 %      66 - 200      B2C1384      03/25/2022      03/25/22 17:32  
 Surrogate: 4-Bromofluorobenzene      92.2 %      50 - 146      B2C1384      03/25/2022      03/25/22 17:32





## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: SV-4-14**

**Lab ID: 2200446-06**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	117 %	77 - 159		B2C1384	03/25/2022	03/25/22 17:32	
<i>Surrogate: Toluene-d8</i>	94.7 %	81 - 128		B2C1384	03/25/2022	03/25/22 17:32	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.92	1	B2C1477	03/31/2022	03/31/22 18:40	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.6 %	47.6 - 121.18		B2C1477	03/31/2022	03/31/22 18:40	

**Client Sample ID: SV-7-1**

**Lab ID: 2200446-07**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<b>Antimony</b>	34	2.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Arsenic	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
<b>Barium</b>	90	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
<b>Beryllium</b>	1.8	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Cadmium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
<b>Chromium</b>	12	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
<b>Cobalt</b>	4.5	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
<b>Copper</b>	8.4	2.0	1	B2C1409	03/28/2022	03/29/22 18:11	
<b>Lead</b>	2.5	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Molybdenum	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
<b>Nickel</b>	9.2	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
<b>Selenium</b>	1.3	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Silver	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
Thallium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
<b>Vanadium</b>	22	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	
<b>Zinc</b>	36	1.0	1	B2C1409	03/28/2022	03/29/22 18:11	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: SV-7-5.5**

**Lab ID: 2200446-08**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 18:54	
C23-C32	ND	10	1	B2C1366	03/24/2022	03/25/22 18:54	
<i>Surrogate: p-Terphenyl</i>	<i>80.6 %</i>	<i>62 - 141</i>		B2C1366	03/24/2022	<i>03/25/22 18:54</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1,1-Trichloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1,2,2-Tetrachloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1,2-Trichloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1-Dichloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1-Dichloroethene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,1-Dichloropropene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2,3-Trichloropropane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2,3-Trichlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2,4-Trichlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2,4-Trimethylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2-Dibromo-3-chloropropane	ND	7.8	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2-Dibromoethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2-Dichlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2-Dichloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,2-Dichloropropane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,3,5-Trimethylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,3-Dichlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,3-Dichloropropane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
1,4-Dichlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
2,2-Dichloropropane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
2-Chlorotoluene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
4-Chlorotoluene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
4-Isopropyltoluene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Benzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Bromobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Bromochloromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Bromodichloromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Bromoform	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Bromomethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Carbon disulfide	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-7-5.5**  
**Lab ID: 2200446-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Chlorobenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Chloroethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Chloroform	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Chloromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
cis-1,2-Dichloroethene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
cis-1,3-Dichloropropene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Di-isopropyl ether	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Dibromochloromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Dibromomethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Dichlorodifluoromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Ethyl Acetate	ND	39	1	B2C1384	03/25/2022	03/25/22 17:58	
Ethyl Ether	ND	39	1	B2C1384	03/25/2022	03/25/22 17:58	
Ethyl tert-butyl ether	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Ethylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Freon-113	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Hexachlorobutadiene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Isopropylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
m,p-Xylene	ND	7.8	1	B2C1384	03/25/2022	03/25/22 17:58	
Methylene chloride	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
MTBE	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
n-Butylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
n-Propylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Naphthalene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
o-Xylene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
sec-Butylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Styrene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
tert-Amyl methyl ether	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
tert-Butanol	ND	78	1	B2C1384	03/25/2022	03/25/22 17:58	
tert-Butylbenzene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Tetrachloroethene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Toluene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
trans-1,2-Dichloroethene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
trans-1,3-Dichloropropene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Trichloroethene	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Trichlorofluoromethane	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Vinyl acetate	ND	39	1	B2C1384	03/25/2022	03/25/22 17:58	
Vinyl chloride	ND	3.9	1	B2C1384	03/25/2022	03/25/22 17:58	
Surrogate: 1,2-Dichloroethane-d4	134 %	66 - 200		B2C1384	03/25/2022	03/25/22 17:58	
Surrogate: 4-Bromofluorobenzene	102 %	50 - 146		B2C1384	03/25/2022	03/25/22 17:58	



# Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-7-5.5**

**Lab ID: 2200446-08**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	118 %	77 - 159		B2C1384	03/25/2022	03/25/22 17:58	
<i>Surrogate: Toluene-d8</i>	95.4 %	81 - 128		B2C1384	03/25/2022	03/25/22 17:58	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.87	1	B2C1477	03/31/2022	03/31/22 19:05	
<i>Surrogate: 4-Bromofluorobenzene</i>	88.9 %	47.6 - 121.18		B2C1477	03/31/2022	03/31/22 19:05	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-7-14**

**Lab ID: 2200446-09**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 19:13	
<b>C23-C32</b>	<b>12</b>	10	1	B2C1366	03/24/2022	03/25/22 19:13	
<i>Surrogate: p-Terphenyl</i>	<i>87.6 %</i>	<i>62 - 141</i>		B2C1366	03/24/2022	<i>03/25/22 19:13</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1,1-Trichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1,2-Trichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1-Dichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,1-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2,3-Trichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2-Dibromoethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2-Dichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,2-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,3-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,3-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
1,4-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
2,2-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
2-Chlorotoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
4-Chlorotoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
4-Isopropyltoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Benzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Bromobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Bromochloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Bromodichloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Bromoform	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Bromomethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Carbon disulfide	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-7-14**  
**Lab ID: 2200446-09**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Chlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Chloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Chloroform	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Chloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Di-isopropyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Dibromochloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Dibromomethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Dichlorodifluoromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Ethyl Acetate	ND	46	1	B2C1384	03/25/2022	03/25/22 18:24	
Ethyl Ether	ND	46	1	B2C1384	03/25/2022	03/25/22 18:24	
Ethyl tert-butyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Ethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Freon-113	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Hexachlorobutadiene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Isopropylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
m,p-Xylene	ND	9.1	1	B2C1384	03/25/2022	03/25/22 18:24	
Methylene chloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
MTBE	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
n-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
n-Propylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Naphthalene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
o-Xylene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
sec-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Styrene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
tert-Amyl methyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
tert-Butanol	ND	91	1	B2C1384	03/25/2022	03/25/22 18:24	
tert-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Tetrachloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Toluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Trichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Trichlorofluoromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	
Vinyl acetate	ND	46	1	B2C1384	03/25/2022	03/25/22 18:24	
Vinyl chloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 18:24	

Surrogate: 1,2-Dichloroethane-d4      137 %      66 - 200      B2C1384      03/25/2022      03/25/22 18:24  
 Surrogate: 4-Bromofluorobenzene      98.6 %      50 - 146      B2C1384      03/25/2022      03/25/22 18:24



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-7-14**

**Lab ID: 2200446-09**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	126 %	77 - 159		B2C1384	03/25/2022	03/25/22 18:24	
<i>Surrogate: Toluene-d8</i>	95.4 %	81 - 128		B2C1384	03/25/2022	03/25/22 18:24	

## Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.95	1	B2C1477	03/31/2022	03/31/22 19:29	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.1 %	47.6 - 121.18		B2C1477	03/31/2022	03/31/22 19:29	

**Client Sample ID: SV-1-1**

**Lab ID: 2200446-10**

## Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<b>Antimony</b>	38	2.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Arsenic	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
<b>Barium</b>	99	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
<b>Beryllium</b>	2.1	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Cadmium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
<b>Chromium</b>	14	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
<b>Cobalt</b>	4.8	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
<b>Copper</b>	9.0	2.0	1	B2C1409	03/28/2022	03/29/22 18:13	
<b>Lead</b>	2.4	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Molybdenum	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
<b>Nickel</b>	9.2	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
<b>Selenium</b>	1.2	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Silver	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
Thallium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
<b>Vanadium</b>	22	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	
<b>Zinc</b>	36	1.0	1	B2C1409	03/28/2022	03/29/22 18:13	



## Certificate of Analysis

GSI Environmental, Inc.

Project Number : Ontario Airport / 5925

19200 Von Karman Ave., Suite 800

Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

**Client Sample ID: SV-1-5.5**

**Lab ID: 2200446-11**

### Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 19:32	
<b>C23-C32</b>	<b>13</b>	10	1	B2C1366	03/24/2022	03/25/22 19:32	
<i>Surrogate: p-Terphenyl</i>	<i>95.7 %</i>	<i>62 - 141</i>		B2C1366	03/24/2022	<i>03/25/22 19:32</i>	

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1,1-Trichloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1,2,2-Tetrachloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1,2-Trichloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1-Dichloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1-Dichloroethene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,1-Dichloropropene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2,3-Trichloropropane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2,3-Trichlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2,4-Trichlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2,4-Trimethylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2-Dibromo-3-chloropropane	ND	7.3	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2-Dibromoethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2-Dichlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2-Dichloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,2-Dichloropropane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,3,5-Trimethylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,3-Dichlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,3-Dichloropropane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
1,4-Dichlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
2,2-Dichloropropane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
2-Chlorotoluene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
4-Chlorotoluene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
4-Isopropyltoluene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Benzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Bromobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Bromochloromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Bromodichloromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Bromoform	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Bromomethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Carbon disulfide	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	





# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-1-5.5**

**Lab ID: 2200446-11**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Chlorobenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Chloroethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Chloroform	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Chloromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
cis-1,2-Dichloroethene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
cis-1,3-Dichloropropene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Di-isopropyl ether	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Dibromochloromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Dibromomethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Dichlorodifluoromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Ethyl Acetate	ND	37	1	B2C1384	03/25/2022	03/25/22 18:50	
Ethyl Ether	ND	37	1	B2C1384	03/25/2022	03/25/22 18:50	
Ethyl tert-butyl ether	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Ethylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Freon-113	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Hexachlorobutadiene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Isopropylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
m,p-Xylene	ND	7.3	1	B2C1384	03/25/2022	03/25/22 18:50	
Methylene chloride	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
MTBE	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
n-Butylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
n-Propylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Naphthalene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
o-Xylene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
sec-Butylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Styrene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
tert-Amyl methyl ether	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
tert-Butanol	ND	73	1	B2C1384	03/25/2022	03/25/22 18:50	
tert-Butylbenzene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Tetrachloroethene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Toluene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
trans-1,2-Dichloroethene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
trans-1,3-Dichloropropene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Trichloroethene	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Trichlorofluoromethane	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	
Vinyl acetate	ND	37	1	B2C1384	03/25/2022	03/25/22 18:50	
Vinyl chloride	ND	3.7	1	B2C1384	03/25/2022	03/25/22 18:50	

Surrogate: 1,2-Dichloroethane-d4	138 %	66 - 200	B2C1384	03/25/2022	03/25/22 18:50
Surrogate: 4-Bromofluorobenzene	99.1 %	50 - 146	B2C1384	03/25/2022	03/25/22 18:50



### Certificate of Analysis

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19200 Von Karman Ave., Suite 800  
Irvine , CA 92612

Project Number : Ontario Airport / 5925  
Report To : Vinnie Robino / Josh Voss  
Reported : 05/12/2022

**Client Sample ID: SV-1-5.5**

**Lab ID: 2200446-11**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	127 %	77 - 159		B2C1384	03/25/2022	03/25/22 18:50	
<i>Surrogate: Toluene-d8</i>	95.3 %	81 - 128		B2C1384	03/25/2022	03/25/22 18:50	

**Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)**

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.72	1	B2C1477	03/31/2022	03/31/22 19:54	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.0 %	47.6 - 121.18		B2C1477	03/31/2022	03/31/22 19:54	



# Certificate of Analysis

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 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-1-14**

**Lab ID: 2200446-12**

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 19:51	
C23-C32	ND	10	1	B2C1366	03/24/2022	03/25/22 19:51	
<i>Surrogate: p-Terphenyl</i>	<i>91.1 %</i>	<i>62 - 141</i>		B2C1366	03/24/2022	<i>03/25/22 19:51</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1,1-Trichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1,2,2-Tetrachloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1,2-Trichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1-Dichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,1-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2,3-Trichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2,3-Trichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2,4-Trichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2,4-Trimethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2-Dibromo-3-chloropropane	ND	9.1	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2-Dibromoethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2-Dichloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,2-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,3,5-Trimethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,3-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,3-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
1,4-Dichlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
2,2-Dichloropropane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
2-Chlorotoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
4-Chlorotoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
4-Isopropyltoluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Benzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Bromobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Bromochloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Bromodichloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Bromoform	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Bromomethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Carbon disulfide	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine , CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: SV-1-14**  
**Lab ID: 2200446-12**

**Volatile Organic Compounds by EPA 5035 / EPA 8260B**

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Chlorobenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Chloroethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Chloroform	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Chloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
cis-1,2-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
cis-1,3-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Di-isopropyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Dibromochloromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Dibromomethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Dichlorodifluoromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Ethyl Acetate	ND	46	1	B2C1384	03/25/2022	03/25/22 19:16	
Ethyl Ether	ND	46	1	B2C1384	03/25/2022	03/25/22 19:16	
Ethyl tert-butyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Ethylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Freon-113	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Hexachlorobutadiene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Isopropylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
m,p-Xylene	ND	9.1	1	B2C1384	03/25/2022	03/25/22 19:16	
Methylene chloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
MTBE	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
n-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
n-Propylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Naphthalene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
o-Xylene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
sec-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Styrene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
tert-Amyl methyl ether	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
tert-Butanol	ND	91	1	B2C1384	03/25/2022	03/25/22 19:16	
tert-Butylbenzene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Tetrachloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Toluene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
trans-1,2-Dichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
trans-1,3-Dichloropropene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Trichloroethene	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Trichlorofluoromethane	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Vinyl acetate	ND	46	1	B2C1384	03/25/2022	03/25/22 19:16	
Vinyl chloride	ND	4.6	1	B2C1384	03/25/2022	03/25/22 19:16	
Surrogate: 1,2-Dichloroethane-d4	131 %	66 - 200		B2C1384	03/25/2022	03/25/22 19:16	
Surrogate: 4-Bromofluorobenzene	93.7 %	50 - 146		B2C1384	03/25/2022	03/25/22 19:16	



## Certificate of Analysis

GSI Environmental, Inc.

19200 Von Karman Ave., Suite 800

Irvine, CA 92612

Project Number : Ontario Airport / 5925

Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

**Client Sample ID: SV-1-14**

**Lab ID: 2200446-12**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	124 %	77 - 159		B2C1384	03/25/2022	03/25/22 19:16	
<i>Surrogate: Toluene-d8</i>	96.3 %	81 - 128		B2C1384	03/25/2022	03/25/22 19:16	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.91	1	B2C1477	03/31/2022	03/31/22 20:18	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.2 %	47.6 - 121.18		B2C1477	03/31/2022	03/31/22 20:18	

**Client Sample ID: 61W-43-2-1**

**Lab ID: 2200446-13**

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: WT**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<b>Antimony</b>	39	2.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Arsenic	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
<b>Barium</b>	100	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
<b>Beryllium</b>	2.0	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Cadmium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
<b>Chromium</b>	14	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
<b>Cobalt</b>	5.1	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
<b>Copper</b>	12	2.0	1	B2C1409	03/28/2022	03/29/22 18:14	
<b>Lead</b>	2.5	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Molybdenum	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
<b>Nickel</b>	9.8	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
<b>Selenium</b>	1.3	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Silver	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
Thallium	ND	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
<b>Vanadium</b>	24	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	
<b>Zinc</b>	37	1.0	1	B2C1409	03/28/2022	03/29/22 18:14	



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 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-43-2-5.5**

**Lab ID: 2200446-14**

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM

**Analyst: EB**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Methylnaphthalene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Acenaphthene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Acenaphthylene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Anthracene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Benzo(a)anthracene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Benzo(a)pyrene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Benzo(b)fluoranthene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Benzo(g,h,i)perylene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Benzo(k)fluoranthene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Chrysene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Dibenz(a,h)anthracene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Fluoranthene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Fluorene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Indeno(1,2,3-cd)pyrene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Naphthalene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Phenanthrene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
Pyrene	ND	5.0	1	B2C1371	03/24/2022	03/24/22 17:26	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>68.3 %</i>	<i>12 - 125</i>		B2C1371	03/24/2022	<i>03/24/22 17:26</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>99.8 %</i>	<i>14 - 139</i>		B2C1371	03/24/2022	<i>03/24/22 17:26</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>66.5 %</i>	<i>8 - 155</i>		B2C1371	03/24/2022	<i>03/24/22 17:26</i>	
<i>Surrogate: 4-Terphenyl-d14</i>	<i>103 %</i>	<i>16 - 152</i>		B2C1371	03/24/2022	<i>03/24/22 17:26</i>	

## Hydrocarbon Chain Distribution by EPA 8015B (Modified)

**Analyst: KL**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C23	ND	10	1	B2C1366	03/24/2022	03/25/22 20:10	
<b>C23-C32</b>	<b>13</b>	10	1	B2C1366	03/24/2022	03/25/22 20:10	
<i>Surrogate: p-Terphenyl</i>	<i>92.9 %</i>	<i>62 - 141</i>		B2C1366	03/24/2022	<i>03/25/22 20:10</i>	

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

**Analyst: KL**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,1,1-Trichloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,1,2,2-Tetrachloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,1,2-Trichloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	



# Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

**Client Sample ID: 61W-43-2-5.5**  
**Lab ID: 2200446-14**

## Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,1-Dichloroethene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,1-Dichloropropene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2,3-Trichloropropane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2,3-Trichlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2,4-Trichlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2,4-Trimethylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2-Dibromo-3-chloropropane	ND	8.2	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2-Dibromoethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2-Dichlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2-Dichloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,2-Dichloropropane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,3,5-Trimethylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,3-Dichlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,3-Dichloropropane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
1,4-Dichlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
2,2-Dichloropropane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
2-Chlorotoluene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
4-Chlorotoluene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
4-Isopropyltoluene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Benzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Bromobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Bromochloromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Bromodichloromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Bromoform	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Bromomethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Carbon disulfide	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Carbon tetrachloride	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Chlorobenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Chloroethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Chloroform	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Chloromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
cis-1,2-Dichloroethene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
cis-1,3-Dichloropropene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Di-isopropyl ether	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Dibromochloromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Dibromomethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Dichlorodifluoromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Ethyl Acetate	ND	41	1	B2C1384	03/25/2022	03/25/22 19:42	
Ethyl Ether	ND	41	1	B2C1384	03/25/2022	03/25/22 19:42	



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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

**Client Sample ID: 61W-43-2-5.5**  
**Lab ID: 2200446-14**

### Volatile Organic Compounds by EPA 5035 / EPA 8260B

Analyst: KL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl tert-butyl ether	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Ethylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Freon-113	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Hexachlorobutadiene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Isopropylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
m,p-Xylene	ND	8.2	1	B2C1384	03/25/2022	03/25/22 19:42	
Methylene chloride	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
MTBE	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
n-Butylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
n-Propylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Naphthalene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
o-Xylene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
sec-Butylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Styrene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
tert-Amyl methyl ether	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
tert-Butanol	ND	82	1	B2C1384	03/25/2022	03/25/22 19:42	
tert-Butylbenzene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Tetrachloroethene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Toluene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
trans-1,2-Dichloroethene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
trans-1,3-Dichloropropene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Trichloroethene	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Trichlorofluoromethane	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
Vinyl acetate	ND	41	1	B2C1384	03/25/2022	03/25/22 19:42	
Vinyl chloride	ND	4.1	1	B2C1384	03/25/2022	03/25/22 19:42	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>136 %</i>	<i>66 - 200</i>		B2C1384	03/25/2022	03/25/22 19:42	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.7 %</i>	<i>50 - 146</i>		B2C1384	03/25/2022	03/25/22 19:42	
<i>Surrogate: Dibromofluoromethane</i>	<i>120 %</i>	<i>77 - 159</i>		B2C1384	03/25/2022	03/25/22 19:42	
<i>Surrogate: Toluene-d8</i>	<i>94.9 %</i>	<i>81 - 128</i>		B2C1384	03/25/2022	03/25/22 19:42	

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified)

Analyst: KL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C4-C12	ND	0.81	1	B2C1477	03/31/2022	03/31/22 20:43	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.8 %</i>	<i>47.6 - 121.18</i>		B2C1477	03/31/2022	03/31/22 20:43	





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Project Number : Ontario Airport / 5925  
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Reported : 05/12/2022

### QUALITY CONTROL SECTION

#### Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1371 - MSSEMI\_S**

**Blank (B2C1371-BLK1)**

Prepared: 3/24/2022 Analyzed: 3/24/2022

2-Methylnaphthalene	ND	5.0	0.60
Acenaphthene	ND	5.0	0.41
Acenaphthylene	ND	5.0	0.41
Anthracene	ND	5.0	0.56
Benzo(a)anthracene	ND	5.0	0.56
Benzo(a)pyrene	ND	5.0	0.69
Benzo(b)fluoranthene	ND	5.0	2.2
Benzo(g,h,i)perylene	ND	5.0	0.80
Benzo(k)fluoranthene	ND	5.0	0.70
Chrysene	ND	5.0	0.61
Dibenz(a,h)anthracene	ND	5.0	0.88
Fluoranthene	ND	5.0	0.45
Fluorene	ND	5.0	0.35
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82
Naphthalene	ND	5.0	0.56
Phenanthrene	ND	5.0	0.34
Pyrene	ND	5.0	0.51

Surrogate: 1,2-Dichlorobenzene-d4	23.51		33.3333	70.5	12 - 125
Surrogate: 2-Fluorobiphenyl	33.94		33.3333	102	14 - 139
Surrogate: Nitrobenzene-d5	16.25		33.3333	48.7	8 - 155
Surrogate: 4-Terphenyl-d14	36.46		33.3333	109	16 - 152

**LCS (B2C1371-BS1)**

Prepared: 3/24/2022 Analyzed: 3/24/2022

2-Methylnaphthalene	24.2757	5.0	0.60	33.3333	72.8	39 - 92	
Acenaphthene	28.0400	5.0	0.41	33.3333	84.1	35 - 94	
Acenaphthylene	27.9607	5.0	0.41	33.3333	83.9	31 - 101	
Anthracene	28.4383	5.0	0.56	33.3333	85.3	37 - 95	
Benzo(a)anthracene	32.0093	5.0	0.56	33.3333	96.0	43 - 102	
Benzo(a)pyrene	29.0117	5.0	0.69	33.3333	87.0	38 - 95	
Benzo(b)fluoranthene	37.2260	5.0	2.2	33.3333	112	44 - 102	L3
Benzo(g,h,i)perylene	18.9907	5.0	0.80	33.3333	57.0	34 - 114	
Benzo(k)fluoranthene	36.3160	5.0	0.70	33.3333	109	34 - 110	
Chrysene	31.0920	5.0	0.61	33.3333	93.3	46 - 101	
Dibenz(a,h)anthracene	21.8893	5.0	0.88	33.3333	65.7	35 - 117	
Fluoranthene	33.0430	5.0	0.45	33.3333	99.1	46 - 107	
Fluorene	28.7853	5.0	0.35	33.3333	86.4	35 - 98	
Indeno(1,2,3-cd)pyrene	20.7687	5.0	0.82	33.3333	62.3	35 - 114	
Naphthalene	23.7917	5.0	0.56	33.3333	71.4	39 - 86	
Phenanthrene	30.6460	5.0	0.34	33.3333	91.9	43 - 98	
Pyrene	31.3097	5.0	0.51	33.3333	93.9	44 - 108	

Surrogate: 1,2-Dichlorobenzene-d4	22.80		33.3333	68.4	12 - 125
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# Certificate of Analysis

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Report To : Vinnie Robino / Josh Voss

Irvine , CA 92612

Reported : 05/12/2022

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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### Batch B2C1371 - MSSEMI\_S (continued)

#### LCS (B2C1371-BS1) - Continued

Prepared: 3/24/2022 Analyzed: 3/24/2022

Surrogate: 2-Fluorobiphenyl	32.00		33.3333		96.0	14 - 139			
Surrogate: Nitrobenzene-d5	12.64		33.3333		37.9	8 - 155			
Surrogate: 4-Terphenyl-d14	33.33		33.3333		100	16 - 152			

#### Matrix Spike (B2C1371-MS1)

Source: 2200452-03

Prepared: 3/24/2022 Analyzed: 3/24/2022

2-Methylnaphthalene	ND	2500	300	33.3333	ND	NR	43 - 120		M6
Acenaphthene	ND	2500	200	33.3333	ND	NR	52 - 113		M6
Acenaphthylene	350.667	2500	200	33.3333	238.333	337	44 - 126		M6
Anthracene	ND	2500	280	33.3333	ND	NR	49 - 128		M6
Benzo(a)anthracene	ND	2500	280	33.3333	ND	NR	32 - 158		M6
Benzo(a)pyrene	ND	2500	340	33.3333	ND	NR	39 - 137		M6
Benzo(b)fluoranthene	ND	2500	1100	33.3333	ND	NR	52 - 132		M6
Benzo(g,h,i)perylene	ND	2500	400	33.3333	ND	NR	35 - 162		M6
Benzo(k)fluoranthene	ND	2500	350	33.3333	ND	NR	18 - 153		M6
Chrysene	ND	2500	300	33.3333	ND	NR	25 - 160		M6
Dibenz(a,h)anthracene	ND	2500	440	33.3333	ND	NR	41 - 155		M6
Fluoranthene	ND	2500	220	33.3333	ND	NR	5 - 185		M6
Fluorene	ND	2500	180	33.3333	ND	NR	28 - 135		M6
Indeno(1,2,3-cd)pyrene	ND	2500	410	33.3333	ND	NR	36 - 162		M6
Naphthalene	ND	2500	280	33.3333	ND	NR	41 - 113		M6
Phenanthrene	ND	2500	170	33.3333	ND	NR	35 - 143		M6
Pyrene	ND	2500	260	33.3333	ND	NR	10 - 184		M6

Surrogate: 1,2-Dichlorobenzene-d4	53.50		33.3333		160	12 - 125			S4
Surrogate: 2-Fluorobiphenyl	43.17		33.3333		130	14 - 139			
Surrogate: Nitrobenzene-d5	4.000		33.3333		12.0	8 - 155			
Surrogate: 4-Terphenyl-d14	96.83		33.3333		290	16 - 152			S4

#### Matrix Spike Dup (B2C1371-MSD1)

Source: 2200452-03

Prepared: 3/24/2022 Analyzed: 3/24/2022

2-Methylnaphthalene	ND	2500	300	33.3333	ND	NR	43 - 120	NR	20	M6
Acenaphthene	ND	2500	200	33.3333	ND	NR	52 - 113	NR	20	M6
Acenaphthylene	254.667	2500	200	33.3333	238.333	49.0	44 - 126	31.7	20	M6
Anthracene	ND	2500	280	33.3333	ND	NR	49 - 128	NR	20	M6
Benzo(a)anthracene	ND	2500	280	33.3333	ND	NR	32 - 158	NR	20	M6
Benzo(a)pyrene	ND	2500	340	33.3333	ND	NR	39 - 137	NR	20	M6
Benzo(b)fluoranthene	ND	2500	1100	33.3333	ND	NR	52 - 132	NR	20	M6
Benzo(g,h,i)perylene	ND	2500	400	33.3333	ND	NR	35 - 162	NR	20	M6
Benzo(k)fluoranthene	ND	2500	350	33.3333	ND	NR	18 - 153	NR	20	M6
Chrysene	ND	2500	300	33.3333	ND	NR	25 - 160	NR	20	M6
Dibenz(a,h)anthracene	ND	2500	440	33.3333	ND	NR	41 - 155	NR	20	M6
Fluoranthene	ND	2500	220	33.3333	ND	NR	5 - 185	NR	20	M6
Fluorene	ND	2500	180	33.3333	ND	NR	28 - 135	NR	20	M6
Indeno(1,2,3-cd)pyrene	ND	2500	410	33.3333	ND	NR	36 - 162	NR	20	M6
Naphthalene	ND	2500	280	33.3333	ND	NR	41 - 113	NR	20	M6
Phenanthrene	ND	2500	170	33.3333	ND	NR	35 - 143	NR	20	M6
Pyrene	ND	2500	260	33.3333	ND	NR	10 - 184	NR	20	M6



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Reported : 05/12/2022

## Polycyclic Aromatic Hydrocarbon (PAHs) by EPA 8270SIM - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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### Batch B2C1371 - MSSEMI\_S (continued)

#### Matrix Spike Dup (B2C1371-MSD1) - Continued

Source: 2200452-03

Prepared: 3/24/2022 Analyzed: 3/24/2022

Surrogate: 1,2-Dichlorobenzene-d4	47.00		33.3333		141	12 - 125			S4
Surrogate: 2-Fluorobiphenyl	44.17		33.3333		132	14 - 139			
Surrogate: Nitrobenzene-d5	2.000		33.3333		6.00	8 - 155			S4
Surrogate: 4-Terphenyl-d14	111.5		33.3333		335	16 - 152			S4



## Certificate of Analysis

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Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Gasoline Range Hydrocarbons by EPA 5035 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1477 - GCVOA_S</b>										
<b>Blank (B2C1477-BLK1)</b>					Prepared: 3/31/2022 Analyzed: 3/31/2022					
C4-C12	ND	1.0	0.13							
<i>Surrogate: 4-Bromofluorobenzene</i>	0.6973			0.800000		87.2	47.6 - 121.18			
<b>LCS (B2C1477-BS1)</b>					Prepared: 3/31/2022 Analyzed: 3/31/2022					
Gasoline Range Organics	5.22300	1.0	0.13	5.00000		104	68.69 - 124.04			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7057			0.800000		88.2	47.6 - 121.18			
<b>LCS Dup (B2C1477-BSD1)</b>					Prepared: 3/31/2022 Analyzed: 3/31/2022					
Gasoline Range Organics	5.16700	1.0	0.13	5.00000		103	68.69 - 124.04	1.08	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.6977			0.800000		87.2	47.6 - 121.18			
<b>Duplicate (B2C1477-DUP1)</b>					Prepared: 3/31/2022 Analyzed: 3/31/2022					
<b>Source: 2200462-01</b>										
Gasoline Range Organics	ND	1.0	0.13		ND			NR	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.4018			0.800000		50.2	47.6 - 121.18			
<b>Matrix Spike (B2C1477-MS1)</b>					Prepared: 3/31/2022 Analyzed: 3/31/2022					
<b>Source: 2200462-01</b>										
Gasoline Range Organics	1.89600	1.0	0.13	5.00000	ND	37.9	37.92 - 128.32			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.3829			0.800000		47.9	47.6 - 121.18			
<b>Matrix Spike Dup (B2C1477-MSD1)</b>					Prepared: 3/31/2022 Analyzed: 3/31/2022					
<b>Source: 2200462-01</b>										
Gasoline Range Organics	4.73207	1.0	0.13	4.98008	ND	95.0	37.92 - 128.32	85.6	20	R
<i>Surrogate: 4-Bromofluorobenzene</i>	0.7745			0.800000		96.8	47.6 - 121.18			



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1409 - EPA 3050B\_S**

**Blank (B2C1409-BLK1)**

Prepared: 3/28/2022 Analyzed: 3/30/2022

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

**LCS (B2C1409-BS1)**

Prepared: 3/28/2022 Analyzed: 3/29/2022

Antimony	21.7722	2.0	0.51	25.0000	87.1	80 - 120
Arsenic	23.7402	1.0	0.12	25.0000	95.0	80 - 120
Barium	23.9424	1.0	0.12	25.0000	95.8	80 - 120
Beryllium	23.9841	1.0	0.03	25.0100	95.9	80 - 120
Cadmium	24.3694	1.0	0.14	25.0000	97.5	80 - 120
Chromium	23.9900	1.0	0.26	25.0000	96.0	80 - 120
Cobalt	22.6014	1.0	0.07	25.0000	90.4	80 - 120
Copper	23.9192	2.0	0.19	25.0000	95.7	80 - 120
Lead	26.0488	1.0	0.18	25.0000	104	80 - 120
Molybdenum	25.9662	1.0	0.12	25.0000	104	80 - 120
Nickel	22.9430	1.0	0.18	25.0000	91.8	80 - 120
Selenium	24.4435	1.0	0.40	25.0000	97.8	80 - 120
Silver	11.2906	1.0	0.12	12.5000	90.3	80 - 120
Thallium	24.3085	1.0	0.38	25.0000	97.2	80 - 120
Vanadium	22.0229	1.0	0.06	25.0000	88.1	80 - 120
Zinc	26.0691	1.0	0.15	25.0000	104	80 - 120

**Matrix Spike (B2C1409-MS1)**

**Source: 2200337-08**

Prepared: 3/28/2022 Analyzed: 3/29/2022

Antimony	75.7257	2.0	0.51	25.0000	57.6155	72.4	0 - 102
Arsenic	23.3606	1.0	0.12	25.0000	1.22397	88.5	55 - 117
Barium	136.440	1.0	0.12	25.0000	111.199	101	11 - 177
Beryllium	19.4669	1.0	0.03	25.0100	0.928002	74.1	64 - 115
Cadmium	24.7568	1.0	0.14	25.0000	0.373698	97.5	62 - 116
Chromium	41.8873	1.0	0.26	25.0000	19.9629	87.7	42 - 145
Cobalt	31.2966	1.0	0.07	25.0000	8.66040	90.5	60 - 126
Copper	45.8698	2.0	0.19	25.0000	21.1322	99.0	37 - 163
Lead	23.6503	1.0	0.18	25.0000	4.19301	77.8	26 - 161



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### Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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**Batch B2C1409 - EPA 3050B\_S (continued)**

**Matrix Spike (B2C1409-MS1) - Continued**

**Source: 2200337-08**

Prepared: 3/28/2022 Analyzed: 3/29/2022

Molybdenum	22.1685	1.0	0.12	25.0000	ND	88.7	31 - 122			
Nickel	38.1819	1.0	0.18	25.0000	18.2746	79.6	52 - 130			
Selenium	24.1798	1.0	0.40	25.0000	1.80861	89.5	25 - 129			
Silver	10.9391	1.0	0.12	12.5000	ND	87.5	48 - 133			
Thallium	20.6906	1.0	0.38	25.0000	ND	82.8	25 - 119			
Vanadium	36.5630	1.0	0.06	25.0000	13.8787	90.7	51 - 141			
Zinc	80.9784	1.0	0.15	25.0000	61.1714	79.2	8 - 170			

**Matrix Spike Dup (B2C1409-MSD1)**

**Source: 2200337-08**

Prepared: 3/28/2022 Analyzed: 3/29/2022

Antimony	75.2864	2.0	0.51	25.0000	57.6155	70.7	0 - 102	0.582	20	
Arsenic	22.9350	1.0	0.12	25.0000	1.22397	86.8	55 - 117	1.84	20	
Barium	135.112	1.0	0.12	25.0000	111.199	95.7	11 - 177	0.978	20	
Beryllium	19.1815	1.0	0.03	25.0100	0.928002	73.0	64 - 115	1.48	20	
Cadmium	22.8548	1.0	0.14	25.0000	0.373698	89.9	62 - 116	7.99	20	
Chromium	41.9306	1.0	0.26	25.0000	19.9629	87.9	42 - 145	0.103	20	
Cobalt	31.3608	1.0	0.07	25.0000	8.66040	90.8	60 - 126	0.205	20	
Copper	44.4502	2.0	0.19	25.0000	21.1322	93.3	37 - 163	3.14	20	
Lead	23.3870	1.0	0.18	25.0000	4.19301	76.8	26 - 161	1.12	20	
Molybdenum	22.0961	1.0	0.12	25.0000	ND	88.4	31 - 122	0.327	20	
Nickel	37.7250	1.0	0.18	25.0000	18.2746	77.8	52 - 130	1.20	20	
Selenium	24.5080	1.0	0.40	25.0000	1.80861	90.8	25 - 129	1.35	20	
Silver	10.8710	1.0	0.12	12.5000	ND	87.0	48 - 133	0.624	20	
Thallium	20.7549	1.0	0.38	25.0000	ND	83.0	25 - 119	0.310	20	
Vanadium	36.4523	1.0	0.06	25.0000	13.8787	90.3	51 - 141	0.303	20	
Zinc	80.5101	1.0	0.15	25.0000	61.1714	77.4	8 - 170	0.580	20	



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### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1405 - EPA 7471_S</b>										
<b>Blank (B2C1405-BLK1)</b>										
Mercury	ND	0.10	0.01							
						Prepared: 3/28/2022 Analyzed: 3/30/2022				
<b>LCS (B2C1405-BS1)</b>										
Mercury	0.454490	0.10	0.01	0.416667		109	80 - 120			
						Prepared: 3/28/2022 Analyzed: 3/31/2022				
<b>Matrix Spike (B2C1405-MS1)</b>										
Mercury	0.596987	0.10	0.01	0.416667	ND	143	70 - 130			M2
						Prepared: 3/28/2022 Analyzed: 3/30/2022				
<b>Matrix Spike (B2C1405-MS2)</b>										
Mercury	0.594881	0.10	0.01	0.416667	ND	143	70 - 130			M2
						Prepared: 3/28/2022 Analyzed: 3/30/2022				
<b>Matrix Spike Dup (B2C1405-MSD1)</b>										
Mercury	0.599875	0.10	0.01	0.416667	ND	144	70 - 130	0.483	20	M2



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Report To : Vinnie Robino / Josh Voss

Reported : 05/12/2022

### Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2C1405 - EPA 7471\_S

Post Spike (B2C1405-PS1)

Source: 2200337-08

Prepared: 3/28/2022 Analyzed: 3/30/2022

Mercury	0.003902		5.00000E-3	-0.000200	78.0	85 - 115			M2
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Project Number : Ontario Airport / 5925  
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 Reported : 05/12/2022

### Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
<b>Batch B2C1366 - GCSEMI_DRO_S</b>										
<b>Blank (B2C1366-BLK1)</b>										
										Prepared: 3/24/2022 Analyzed: 3/25/2022
C13-C23	ND	10	3.6							
C23-C32	ND	10	3.6							
<hr/>										
<i>Surrogate: p-Terphenyl</i>	69.31			80.0000		86.6	62 - 141			
<b>LCS (B2C1366-BS1)</b>										
										Prepared: 3/24/2022 Analyzed: 3/25/2022
DRO	925.202	10	3.6	1000.00		92.5	56 - 139			
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<i>Surrogate: p-Terphenyl</i>	77.79			80.0000		97.2	62 - 141			
<b>Matrix Spike (B2C1366-MS1)</b>										
										Prepared: 3/24/2022 Analyzed: 3/25/2022
DRO	945.348	10	3.6	1000.00	ND	94.5	38 - 161			
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<i>Surrogate: p-Terphenyl</i>	74.86			80.0000		93.6	62 - 141			
<b>Matrix Spike Dup (B2C1366-MSD1)</b>										
										Prepared: 3/24/2022 Analyzed: 3/25/2022
DRO	932.511	10	3.6	1000.00	ND	93.3	38 - 161	1.37	20	
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<i>Surrogate: p-Terphenyl</i>	75.01			80.0000		93.8	62 - 141			



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 Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	Limit	Notes
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**Batch B2C1384 - MSVOA\_S**

**Blank (B2C1384-BLK1)**

Prepared: 3/25/2022 Analyzed: 3/25/2022

1,1,1,2-Tetrachloroethane	ND	5.0	0.52						
1,1,1-Trichloroethane	ND	5.0	0.26						
1,1,2,2-Tetrachloroethane	ND	5.0	0.21						
1,1,2-Trichloroethane	ND	5.0	0.40						
1,1-Dichloroethane	ND	5.0	1.4						
1,1-Dichloroethene	ND	5.0	1.9						
1,1-Dichloropropene	ND	5.0	0.54						
1,2,3-Trichloropropane	ND	5.0	0.40						
1,2,3-Trichlorobenzene	ND	5.0	0.83						
1,2,4-Trichlorobenzene	ND	5.0	0.80						
1,2,4-Trimethylbenzene	ND	5.0	0.91						
1,2-Dibromo-3-chloropropane	ND	10	1.1						
1,2-Dibromoethane	ND	5.0	0.40						
1,2-Dichlorobenzene	ND	5.0	0.21						
1,2-Dichloroethane	ND	5.0	0.50						
1,2-Dichloropropane	ND	5.0	0.46						
1,3,5-Trimethylbenzene	ND	5.0	0.70						
1,3-Dichlorobenzene	ND	5.0	0.36						
1,3-Dichloropropane	ND	5.0	0.49						
1,4-Dichlorobenzene	ND	5.0	0.27						
2,2-Dichloropropane	ND	5.0	0.28						
2-Chlorotoluene	ND	5.0	0.53						
4-Chlorotoluene	ND	5.0	0.40						
4-Isopropyltoluene	ND	5.0	0.81						
Benzene	ND	5.0	0.36						
Bromobenzene	ND	5.0	0.62						
Bromochloromethane	ND	5.0	0.30						
Bromodichloromethane	ND	5.0	0.52						
Bromoform	ND	5.0	1.4						
Bromomethane	ND	5.0	2.5						
Carbon disulfide	ND	5.0	0.94						
Carbon tetrachloride	ND	5.0	0.73						
Chlorobenzene	ND	5.0	0.42						
Chloroethane	ND	5.0	1.5						
Chloroform	ND	5.0	0.24						
Chloromethane	ND	5.0	1.1						
cis-1,2-Dichloroethene	ND	5.0	0.20						
cis-1,3-Dichloropropene	ND	5.0	0.39						
Di-isopropyl ether	ND	5.0	1.9						
Dibromochloromethane	ND	5.0	0.81						
Dibromomethane	ND	5.0	0.23						
Dichlorodifluoromethane	ND	5.0	0.14						
Ethyl Acetate	ND	50	7.0						
Ethyl Ether	ND	50	17						
Ethyl tert-butyl ether	ND	5.0	0.85						



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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**Batch B2C1384 - MSVOA\_S (continued)**

**Blank (B2C1384-BLK1) - Continued**

Prepared: 3/25/2022 Analyzed: 3/25/2022

Ethylbenzene	ND	5.0	0.43						
Freon-113	ND	5.0	1.3						
Hexachlorobutadiene	ND	5.0	0.40						
Isopropylbenzene	ND	5.0	0.79						
m,p-Xylene	ND	10	0.98						
Methylene chloride	ND	5.0	2.2						
MTBE	ND	5.0	0.81						
n-Butylbenzene	ND	5.0	1.2						
n-Propylbenzene	ND	5.0	0.78						
Naphthalene	ND	5.0	1.1						
o-Xylene	ND	5.0	0.67						
sec-Butylbenzene	ND	5.0	0.63						
Styrene	ND	5.0	0.45						
tert-Amyl methyl ether	ND	5.0	1.1						
tert-Butanol	ND	100	11						
tert-Butylbenzene	ND	5.0	0.80						
Tetrachloroethene	ND	5.0	0.31						
Toluene	ND	5.0	0.27						
trans-1,2-Dichloroethene	ND	5.0	0.56						
trans-1,3-Dichloropropene	ND	5.0	0.59						
Trichloroethene	ND	5.0	0.32						
Trichlorofluoromethane	ND	5.0	1.0						
Vinyl acetate	ND	50	6.0						
Vinyl chloride	ND	5.0	0.92						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	56.96	50.0000	114	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	47.18	50.0000	94.4	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	56.14	50.0000	112	77 - 159
<i>Surrogate: Toluene-d8</i>	48.52	50.0000	97.0	81 - 128

**LCS (B2C1384-BS1)**

Prepared: 3/25/2022 Analyzed: 3/25/2022

1,1,1,2-Tetrachloroethane	46.5600	5.0	0.52	50.0000	93.1	84 - 123
1,1,1-Trichloroethane	52.1100	5.0	0.26	50.0000	104	78 - 133
1,1,2,2-Tetrachloroethane	43.5900	5.0	0.21	50.0000	87.2	63 - 127
1,1,2-Trichloroethane	47.6100	5.0	0.40	50.0000	95.2	80 - 125
1,1-Dichloroethane	51.8600	5.0	1.4	50.0000	104	77 - 128
1,1-Dichloroethene	51.8200	5.0	1.9	50.0000	104	69 - 138
1,1-Dichloropropene	48.9600	5.0	0.54	50.0000	97.9	80 - 133
1,2,3-Trichloropropane	48.6500	5.0	0.40	50.0000	97.3	74 - 123
1,2,3-Trichlorobenzene	43.5000	5.0	0.83	50.0000	87.0	79 - 133
1,2,4-Trichlorobenzene	45.0100	5.0	0.80	50.0000	90.0	73 - 131
1,2,4-Trimethylbenzene	48.5100	5.0	0.91	50.0000	97.0	86 - 137
1,2-Dibromo-3-chloropropane	45.1100	10	1.1	50.0000	90.2	62 - 127
1,2-Dibromoethane	48.4200	5.0	0.40	50.0000	96.8	83 - 126
1,2-Dichlorobenzene	45.0000	5.0	0.21	50.0000	90.0	83 - 123
1,2-Dichloroethane	51.5600	5.0	0.50	50.0000	103	76 - 128



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### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD RPD	Limit	Notes
<b>Batch B2C1384 - MSVOA_S (continued)</b>									
<b>LCS (B2C1384-BS1) - Continued</b>					Prepared: 3/25/2022 Analyzed: 3/25/2022				
1,2-Dichloropropane	50.6000	5.0	0.46	50.0000		101		77 - 121	
1,3,5-Trimethylbenzene	48.5500	5.0	0.70	50.0000		97.1		84 - 135	
1,3-Dichlorobenzene	45.9900	5.0	0.36	50.0000		92.0		81 - 126	
1,3-Dichloropropane	48.1600	5.0	0.49	50.0000		96.3		80 - 118	
1,4-Dichlorobenzene	46.5100	5.0	0.27	50.0000		93.0		80 - 124	
2,2-Dichloropropane	51.4800	5.0	0.28	50.0000		103		72 - 135	
2-Chlorotoluene	49.0900	5.0	0.53	50.0000		98.2		81 - 127	
4-Chlorotoluene	48.9800	5.0	0.40	50.0000		98.0		83 - 127	
4-Isopropyltoluene	47.4300	5.0	0.81	50.0000		94.9		82 - 143	
Benzene	51.0600	5.0	0.36	50.0000		102		84 - 123	
Bromobenzene	47.5700	5.0	0.62	50.0000		95.1		80 - 122	
Bromochloromethane	48.7800	5.0	0.30	50.0000		97.6		83 - 127	
Bromodichloromethane	48.4600	5.0	0.52	50.0000		96.9		82 - 123	
Bromoform	43.6000	5.0	1.4	50.0000		87.2		80 - 132	
Bromomethane	73.0000	5.0	2.5	50.0000		146		67 - 176	
Carbon disulfide	48.0700	5.0	0.94	50.0000		96.1		75 - 138	
Carbon tetrachloride	50.8600	5.0	0.73	50.0000		102		76 - 131	
Chlorobenzene	47.3400	5.0	0.42	50.0000		94.7		84 - 119	
Chloroethane	56.4700	5.0	1.5	50.0000		113		56 - 170	
Chloroform	53.0500	5.0	0.24	50.0000		106		78 - 129	
Chloromethane	51.2900	5.0	1.1	50.0000		103		63 - 141	
cis-1,2-Dichloroethene	39.3400	5.0	0.20	50.0000		78.7		83 - 125	L3
cis-1,3-Dichloropropene	44.0000	5.0	0.39	50.0000		88.0		76 - 129	
Di-isopropyl ether	51.6400	5.0	1.9	50.0000		103		73 - 132	
Dibromochloromethane	44.3200	5.0	0.81	50.0000		88.6		81 - 120	
Dibromomethane	48.2500	5.0	0.23	50.0000		96.5		79 - 124	
Dichlorodifluoromethane	38.1500	5.0	0.14	50.0000		76.3		18 - 199	
Ethyl Acetate	33.4000	50	7.0	500.000		6.68		76 - 138	MO
Ethyl Ether	551.400	50	17	500.000		110		74 - 128	
Ethyl tert-butyl ether	49.3800	5.0	0.85	50.0000		98.8		50 - 175	
Ethylbenzene	50.1600	5.0	0.43	50.0000		100		86 - 130	
Freon-113	54.0900	5.0	1.3	50.0000		108		66 - 132	
Hexachlorobutadiene	48.2600	5.0	0.40	50.0000		96.5		64 - 135	
Isopropylbenzene	50.1600	5.0	0.79	50.0000		100		80 - 133	
m,p-Xylene	96.4300	10	0.98	100.000		96.4		89 - 133	
Methylene chloride	51.3200	5.0	2.2	50.0000		103		72 - 143	
MTBE	46.9700	5.0	0.81	50.0000		93.9		73 - 136	
n-Butylbenzene	47.7400	5.0	1.2	50.0000		95.5		76 - 144	
n-Propylbenzene	48.9400	5.0	0.78	50.0000		97.9		81 - 136	
Naphthalene	44.3300	5.0	1.1	50.0000		88.7		64 - 128	
o-Xylene	48.2000	5.0	0.67	50.0000		96.4		82 - 134	
sec-Butylbenzene	49.0100	5.0	0.63	50.0000		98.0		81 - 138	
Styrene	46.4300	5.0	0.45	50.0000		92.9		79 - 152	
tert-Amyl methyl ether	48.1600	5.0	1.1	50.0000		96.3		48 - 166	
tert-Butanol	178.210	100	11	250.000		71.3		48 - 148	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1384 - MSVOA_S (continued)</b>										
<b>LCS (B2C1384-BS1) - Continued</b>					Prepared: 3/25/2022 Analyzed: 3/25/2022					
tert-Butylbenzene	47.8500	5.0	0.80	50.0000		95.7	81 - 135			
Tetrachloroethene	47.8700	5.0	0.31	50.0000		95.7	75 - 127			
Toluene	49.0800	5.0	0.27	50.0000		98.2	88 - 130			
trans-1,2-Dichloroethene	67.9000	5.0	0.56	50.0000		136	79 - 127			L5
trans-1,3-Dichloropropene	45.8600	5.0	0.59	50.0000		91.7	80 - 130			
Trichloroethene	49.1200	5.0	0.32	50.0000		98.2	83 - 126			
Trichlorofluoromethane	56.9700	5.0	1.0	50.0000		114	62 - 143			
Vinyl acetate	34.3900	50	6.0	500.000		6.88	69 - 150			MO
Vinyl chloride	54.7600	5.0	0.92	50.0000		110	69 - 140			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	52.08			50.0000		104	66 - 200
<i>Surrogate: 4-Bromofluorobenzene</i>	50.04			50.0000		100	50 - 146
<i>Surrogate: Dibromofluoromethane</i>	52.11			50.0000		104	77 - 159
<i>Surrogate: Toluene-d8</i>	49.96			50.0000		99.9	81 - 128

<b>LCS Dup (B2C1384-BSD1)</b>					Prepared: 3/25/2022 Analyzed: 3/25/2022					
1,1,1,2-Tetrachloroethane	47.1900	5.0	0.52	50.0000		94.4	84 - 123	1.34	20	
1,1,1-Trichloroethane	51.5300	5.0	0.26	50.0000		103	78 - 133	1.12	20	
1,1,2,2-Tetrachloroethane	45.6100	5.0	0.21	50.0000		91.2	63 - 127	4.53	20	
1,1,2-Trichloroethane	50.4900	5.0	0.40	50.0000		101	80 - 125	5.87	20	
1,1-Dichloroethane	53.6400	5.0	1.4	50.0000		107	77 - 128	3.37	20	
1,1-Dichloroethene	47.9900	5.0	1.9	50.0000		96.0	69 - 138	7.67	20	
1,1-Dichloropropene	49.9600	5.0	0.54	50.0000		99.9	80 - 133	2.02	20	
1,2,3-Trichloropropane	45.9300	5.0	0.40	50.0000		91.9	74 - 123	5.75	20	
1,2,3-Trichlorobenzene	44.7300	5.0	0.83	50.0000		89.5	79 - 133	2.79	20	
1,2,4-Trichlorobenzene	44.7000	5.0	0.80	50.0000		89.4	73 - 131	0.691	20	
1,2,4-Trimethylbenzene	48.3100	5.0	0.91	50.0000		96.6	86 - 137	0.413	20	
1,2-Dibromo-3-chloropropane	45.6600	10	1.1	50.0000		91.3	62 - 127	1.21	20	
1,2-Dibromoethane	46.0300	5.0	0.40	50.0000		92.1	83 - 126	5.06	20	
1,2-Dichlorobenzene	45.0000	5.0	0.21	50.0000		90.0	83 - 123	0.00	20	
1,2-Dichloroethane	49.1600	5.0	0.50	50.0000		98.3	76 - 128	4.77	20	
1,2-Dichloropropane	49.5100	5.0	0.46	50.0000		99.0	77 - 121	2.18	20	
1,3,5-Trimethylbenzene	48.3500	5.0	0.70	50.0000		96.7	84 - 135	0.413	20	
1,3-Dichlorobenzene	46.9000	5.0	0.36	50.0000		93.8	81 - 126	1.96	20	
1,3-Dichloropropane	48.1400	5.0	0.49	50.0000		96.3	80 - 118	0.0415	20	
1,4-Dichlorobenzene	45.8600	5.0	0.27	50.0000		91.7	80 - 124	1.41	20	
2,2-Dichloropropane	48.9900	5.0	0.28	50.0000		98.0	72 - 135	4.96	20	
2-Chlorotoluene	49.3500	5.0	0.53	50.0000		98.7	81 - 127	0.528	20	
4-Chlorotoluene	49.4400	5.0	0.40	50.0000		98.9	83 - 127	0.935	20	
4-Isopropyltoluene	47.4700	5.0	0.81	50.0000		94.9	82 - 143	0.0843	20	
Benzene	50.4300	5.0	0.36	50.0000		101	84 - 123	1.24	20	
Bromobenzene	46.2000	5.0	0.62	50.0000		92.4	80 - 122	2.92	20	
Bromochloromethane	46.7900	5.0	0.30	50.0000		93.6	83 - 127	4.16	20	
Bromodichloromethane	50.1100	5.0	0.52	50.0000		100	82 - 123	3.35	20	
Bromoform	44.4300	5.0	1.4	50.0000		88.9	80 - 132	1.89	20	
Bromomethane	63.4300	5.0	2.5	50.0000		127	67 - 176	14.0	20	



## Certificate of Analysis

GSI Environmental, Inc.  
 19200 Von Karman Ave., Suite 800  
 Irvine, CA 92612

Project Number : Ontario Airport / 5925  
 Report To : Vinnie Robino / Josh Voss  
 Reported : 05/12/2022

### Volatile Organic Compounds by EPA 5035 / EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	% Rec Limits	RPD	RPD Limit	Notes
<b>Batch B2C1384 - MSVOA_S (continued)</b>										
<b>LCS Dup (B2C1384-BSD1) - Continued</b>					Prepared: 3/25/2022 Analyzed: 3/25/2022					
Carbon disulfide	45.4300	5.0	0.94	50.0000		90.9	75 - 138	5.65	20	
Carbon tetrachloride	49.6500	5.0	0.73	50.0000		99.3	76 - 131	2.41	20	
Chlorobenzene	47.7600	5.0	0.42	50.0000		95.5	84 - 119	0.883	20	
Chloroethane	54.7000	5.0	1.5	50.0000		109	56 - 170	3.18	20	
Chloroform	53.0500	5.0	0.24	50.0000		106	78 - 129	0.00	20	
Chloromethane	50.5600	5.0	1.1	50.0000		101	63 - 141	1.43	20	
cis-1,2-Dichloroethene	38.5800	5.0	0.20	50.0000		77.2	83 - 125	1.95	20	L3
cis-1,3-Dichloropropene	45.3600	5.0	0.39	50.0000		90.7	76 - 129	3.04	20	
Di-isopropyl ether	51.8300	5.0	1.9	50.0000		104	73 - 132	0.367	20	
Dibromochloromethane	42.6200	5.0	0.81	50.0000		85.2	81 - 120	3.91	20	
Dibromomethane	49.5700	5.0	0.23	50.0000		99.1	79 - 124	2.70	20	
Dichlorodifluoromethane	39.0900	5.0	0.14	50.0000		78.2	18 - 199	2.43	20	
Ethyl Acetate	28.6100	50	7.0	500.000		5.72	76 - 138	15.4	20	MO
Ethyl Ether	550.820	50	17	500.000		110	74 - 128	0.105	20	
Ethyl tert-butyl ether	49.7400	5.0	0.85	50.0000		99.5	50 - 175	0.726	20	
Ethylbenzene	49.8300	5.0	0.43	50.0000		99.7	86 - 130	0.660	20	
Freon-113	56.3300	5.0	1.3	50.0000		113	66 - 132	4.06	20	
Hexachlorobutadiene	47.1100	5.0	0.40	50.0000		94.2	64 - 135	2.41	20	
Isopropylbenzene	49.8500	5.0	0.79	50.0000		99.7	80 - 133	0.620	20	
m,p-Xylene	95.3600	10	0.98	100.000		95.4	89 - 133	1.12	20	
Methylene chloride	53.1800	5.0	2.2	50.0000		106	72 - 143	3.56	20	
MTBE	46.4700	5.0	0.81	50.0000		92.9	73 - 136	1.07	20	
n-Butylbenzene	47.6000	5.0	1.2	50.0000		95.2	76 - 144	0.294	20	
n-Propylbenzene	48.7200	5.0	0.78	50.0000		97.4	81 - 136	0.451	20	
Naphthalene	42.9300	5.0	1.1	50.0000		85.9	64 - 128	3.21	20	
o-Xylene	48.0500	5.0	0.67	50.0000		96.1	82 - 134	0.312	20	
sec-Butylbenzene	48.9100	5.0	0.63	50.0000		97.8	81 - 138	0.204	20	
Styrene	48.0600	5.0	0.45	50.0000		96.1	79 - 152	3.45	20	
tert-Amyl methyl ether	48.7000	5.0	1.1	50.0000		97.4	48 - 166	1.12	20	
tert-Butanol	182.420	100	11	250.000		73.0	48 - 148	2.33	20	
tert-Butylbenzene	47.8700	5.0	0.80	50.0000		95.7	81 - 135	0.0418	20	
Tetrachloroethene	45.9900	5.0	0.31	50.0000		92.0	75 - 127	4.01	20	
Toluene	50.4700	5.0	0.27	50.0000		101	88 - 130	2.79	20	
trans-1,2-Dichloroethene	68.6300	5.0	0.56	50.0000		137	79 - 127	1.07	20	L5
trans-1,3-Dichloropropene	47.9400	5.0	0.59	50.0000		95.9	80 - 130	4.43	20	
Trichloroethene	49.1000	5.0	0.32	50.0000		98.2	83 - 126	0.0407	20	
Trichlorofluoromethane	55.8200	5.0	1.0	50.0000		112	62 - 143	2.04	20	
Vinyl acetate	39.1400	50	6.0	500.000		7.83	69 - 150	12.9	20	MO
Vinyl chloride	53.8300	5.0	0.92	50.0000		108	69 - 140	1.71	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>53.77</i>			<i>50.0000</i>		<i>108</i>	<i>66 - 200</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>49.78</i>			<i>50.0000</i>		<i>99.6</i>	<i>50 - 146</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>54.78</i>			<i>50.0000</i>		<i>110</i>	<i>77 - 159</i>			
<i>Surrogate: Toluene-d8</i>	<i>50.32</i>			<i>50.0000</i>		<i>101</i>	<i>81 - 128</i>			

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30°C

FROM: GSI Environmental Inc.  
 19200 Von Karman Ave, Suite 800  
 Irvine, CA 92612  
 (949) 679-1070

PROJECT NAME: Ontario Airport  
 PROJECT CONTACT: Vinnie Robino / Josh Voss  
 GLOBAL ID:

TEL: (949) 679-1070 E-MAIL: vprobin@gsi-net.com / jcvoss@gsi-net.com

LABORATORY: Advanced Technology Laboratories

PROJECT NO.: 5925  
 LAB CONTACT: Victoria Michel  
 SAMPLER(S) (PRINT): Tiam Nain / Josh Voss

**REQUESTED ANALYSES**  
 Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	PRESERVATION			T22 6010B/7471A	VOCs 8260B	GRO 8015	DRO/RO 8015	SVOCs 8270C	PAHs 8270 SIM	PCBs 8082	OCPs 8081A	Herbicides 8051
		DATE	TIME			Unpreserved	Preserved	Field Filtered									
1	SV-6-1	3/23/22	0743	SOI	1	1			X								
2	SV-6-5.5		0758		5	4				X	X						
3	SV-6-14		0802		5	4				X	X						
4	SV-4-1		0840		1				X								
5	SV-4-5.5		0848		5	4				X	X						
6	SV-4-14		0855		5	4				X	X						
7	SV-7-1		0938		1				X								
8	SV-7-5.5		0946		5	4				X	X						
9	SV-7-14		0950		5	4				X	X						
10	SV-1-1		1048		1				X								
11	SV-1-5.5		1058		5	4				X	X						
12	SV-1-14		1102		5	4				X	X						
13	60W-43-2-1		1228		1				X								
14	60W-43-2-5.5		1235	water	5	4				X	X						
15	TB-20220323		1238	water	4	4				X	X						

Relinquished by: (Signature) *Tiam Nain* Date: 3/23/22 Time: 14:45

Relinquished by: (Signature) *Victoria Michel* Date: 3/23/22 Time: 16:05

Relinquished by: (Signature) *Victoria Michel* Date: 3/23/22 Time: 16:05

March 31, 2022

**Vista Work Order No. 2203009**

Mr. Vincent Robino  
GSI Environmental Inc.  
19200 Von Karman Avenue  
Irvine, CA 92612

Dear Mr. Robino,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on March 01, 2022 under your Project Name 'Ontario Airport / 5925'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at [jfox@vista-analytical.com](mailto:jfox@vista-analytical.com).

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox  
Laboratory Director



*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.*



## Vista Work Order No. 2203009

### Case Narrative

#### Sample Condition on Receipt:

Eight soil samples and one water sample were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements. As directed, samples "62-5-1-3" and "EB-1-20220228" were placed on hold.

#### Analytical Notes:

##### **PFAS Isotope Dilution/LC-MSMS Method Compliant with Table B-15 of DoD QSM 5.3 (Solid)**

The samples were extracted and analyzed for a selected list of PFAS using Isotope Dilution and LC-MS/MS compliant with Table B-15 of DoD QSM 5.3. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

##### Holding Times

The samples were extracted and analyzed within the hold times.

##### Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limits (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are flagged with an "H" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

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# Sample Inventory Report



<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
2203009-01	62-5-1-3	25-Feb-22 08:53	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-02	62-5-2-3	25-Feb-22 10:06	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-03	62-5-3-3	25-Feb-22 10:50	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-04	62-5-6-3	25-Feb-22 12:38	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-05	62-8-1-3	28-Feb-22 09:18	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-06	62-8-2-3	28-Feb-22 10:36	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-07	62-8-4-3.5	28-Feb-22 12:34	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-08	62-8-6-3.5	28-Feb-22 13:32	01-Mar-22 09:38	HDPE Jar, 6 oz
2203009-09	EB-1-20220228	28-Feb-22 14:40	01-Mar-22 09:38	HDPE Bottle, 250 mL HDPE Bottle, 250 mL

## **ANALYTICAL RESULTS**

**Sample ID: Method Blank**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	B22C152-BLK1	Column:	BEH C18
Project:	Ontario Airport / 5925						

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.460	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFPeA	2706-90-3	ND	0.368	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFBS	375-73-5	ND	0.306	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
4:2 FTS	757124-72-4	ND	0.644	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFHxA	307-24-4	ND	0.320	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFPeS	2706-91-4	ND	0.300	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFHpA	375-85-9	ND	0.486	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFHxS	355-46-4	ND	0.308	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
6:2 FTS	27619-97-2	ND	0.518	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFOA	335-67-1	ND	0.270	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFHpS	375-92-8	ND	0.516	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFNA	375-95-1	ND	0.372	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFOSA	754-91-6	ND	0.572	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFOS	1763-23-1	ND	0.648	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFDA	335-76-2	ND	0.442	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
8:2 FTS	39108-34-4	ND	0.588	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
MeFOSAA	2355-31-9	ND	0.404	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
EtFOSAA	2991-50-6	ND	0.380	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFUnA	2058-94-8	ND	0.506	1.00		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFDS	335-77-3	ND	0.242	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFDoA	307-55-1	ND	0.456	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFTTrDA	72629-94-8	ND	0.406	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
PFTeDA	376-06-7	ND	0.428	0.500		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C3-PFPeA	IS	79.1	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C3-PFBS	IS	86.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-4:2 FTS	IS	90.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-PFHxA	IS	84.0	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C4-PFHpA	IS	85.5	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C3-PFHxS	IS	92.0	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-6:2 FTS	IS	91.8	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C5-PFNA	IS	80.6	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C8-PFOSA	IS	38.1	50 - 150	H	B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-PFOA	IS	85.2	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C8-PFOS	IS	90.1	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-PFDA	IS	75.9	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1
13C2-8:2 FTS	IS	80.6	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1

Sample ID: Method Blank					PFAS Isotope Dilution Method						
Client Data				Laboratory Data							
Name:	GSI Environmental Inc.		Matrix:	Solid		Lab Sample:	B22C152-BLK1		Column:	BEH C18	
Project:	Ontario Airport / 5925										
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
d3-MeFOSAA	IS	65.3	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1		
13C2-PFUnA	IS	54.6	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1		
d5-EtFOSAA	IS	60.9	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1		
13C2-PFDoA	IS	56.1	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1		
13C2-PFTeDA	IS	64.9	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:29	1		

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data					Laboratory Data				
Name:	GSI Environmental Inc.	Matrix:	Solid		Lab Sample:	B22C152-BS1	Column:	BEH C18	
Project:	Ontario Airport / 5925								

Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	9.42	10.0	94.2	71 - 135		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFPeA	2706-90-3	9.44	10.0	94.4	69 - 132		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFBS	375-73-5	8.26	10.0	82.6	72 - 128		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
4:2 FTS	757124-72-4	9.66	10.0	96.6	62 - 145		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFHxA	307-24-4	9.46	10.0	94.6	70 - 132		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFPeS	2706-91-4	8.61	10.0	86.1	73 - 123		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFHpA	375-85-9	9.13	10.0	91.3	71 - 131		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFHxS	355-46-4	9.46	10.0	94.6	67 - 130		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
6:2 FTS	27619-97-2	8.58	10.0	85.8	64 - 140		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFOA	335-67-1	9.43	10.0	94.3	69 - 133		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFHpS	375-92-8	9.68	10.0	96.8	70 - 132		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFNA	375-95-1	9.25	10.0	92.5	72 - 129		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFOSA	754-91-6	9.76	10.0	97.6	67 - 137		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFOS	1763-23-1	9.68	10.0	96.8	68 - 136		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFDA	335-76-2	8.88	10.0	88.8	69 - 133		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
8:2 FTS	39108-34-4	9.50	10.0	95.0	65 - 137		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
MeFOSAA	2355-31-9	8.49	10.0	84.9	63 - 144		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
EtFOSAA	2991-50-6	8.50	10.0	85.0	61 - 139		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFUnA	2058-94-8	9.51	10.0	95.1	64 - 136		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFDS	335-77-3	7.40	10.0	74.0	59 - 134		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFDoA	307-55-1	9.14	10.0	91.4	69 - 135		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFTrDA	72629-94-8	9.28	10.0	92.8	66 - 139		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
PFTeDA	376-06-7	9.39	10.0	93.9	69 - 133		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	83.2	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C3-PFPeA	IS	77.7	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C3-PFBS	IS	97.8	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-4:2 FTS	IS	84.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFHxA	IS	86.5	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C4-PFHpA	IS	84.1	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C3-PFHxS	IS	92.3	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-6:2 FTS	IS	98.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C5-PFNA	IS	82.8	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C8-PFOSA	IS	37.6	50 - 150	H	B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFOA	IS	88.2	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1

**Sample ID: OPR**
**PFAS Isotope Dilution Method**
**Client Data**

 Name: GSI Environmental Inc.  
 Project: Ontario Airport / 5925

Matrix: Solid

**Laboratory Data**

Lab Sample: B22C152-BS1      Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	86.4	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFDA	IS	79.3	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-8:2 FTS	IS	85.8	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
d3-MeFOSAA	IS	65.5	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFUnA	IS	64.3	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
d5-EtFOSAA	IS	60.3	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFDoA	IS	63.8	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1
13C2-PFTeDA	IS	72.7	50 - 150		B22C152	17-Mar-22	1.00 g	25-Mar-22 23:39	1



**Sample ID: 62-5-2-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-02	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	25-Feb-22 10:06	Date Received:	01-Mar-22 09:38		
				% Solids:	97.9		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.461	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFPeA	2706-90-3	ND	0.369	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFBS	375-73-5	ND	0.306	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
4:2 FTS	757124-72-4	ND	0.645	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFHxA	307-24-4	1.13	0.320	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFPeS	2706-91-4	ND	0.300	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFHpA	375-85-9	0.512	0.487	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFHxS	355-46-4	5.34	0.308	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
6:2 FTS	27619-97-2	ND	0.519	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFOA	335-67-1	1.70	0.270	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFHpS	375-92-8	ND	0.517	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFNA	375-95-1	ND	0.373	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFOSA	754-91-6	ND	0.573	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFOS	1763-23-1	8.10	0.649	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFDA	335-76-2	ND	0.443	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
8:2 FTS	39108-34-4	ND	0.589	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
MeFOSAA	2355-31-9	ND	0.405	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
EtFOSAA	2991-50-6	ND	0.381	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFUnA	2058-94-8	ND	0.507	1.00		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFDS	335-77-3	ND	0.242	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFDoA	307-55-1	ND	0.457	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFTTrDA	72629-94-8	ND	0.407	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
PFTeDA	376-06-7	ND	0.429	0.501		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	79.1	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C3-PFPeA	IS	72.5	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C3-PFBS	IS	82.6	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-4:2 FTS	IS	75.4	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFHxA	IS	77.7	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C4-PFHpA	IS	80.2	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C3-PFHxS	IS	89.2	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-6:2 FTS	IS	84.6	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C5-PFNA	IS	71.2	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C8-PFOSA	IS	42.6	50 - 150	H	B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFOA	IS	79.8	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C8-PFOS	IS	76.4	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFDA	IS	63.5	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1

**Sample ID: 62-5-2-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-02	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	25-Feb-22 10:06	Date Received:	01-Mar-22 09:38		
				% Solids:	97.9		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	70.2	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
d3-MeFOSAA	IS	49.9	50 - 150	H	B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFUnA	IS	47.5	50 - 150	H	B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
d5-EtFOSAA	IS	48.4	50 - 150	H	B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFDoA	IS	50.2	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1
13C2-PFTeDA	IS	51.6	50 - 150		B22C152	17-Mar-22	1.02 g	26-Mar-22 00:10	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 62-5-3-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-03	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	25-Feb-22 10:50	Date Received:	01-Mar-22 09:38		
				% Solids:	96.5		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.454	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFPeA	2706-90-3	ND	0.363	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFBS	375-73-5	ND	0.302	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
4:2 FTS	757124-72-4	ND	0.635	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFHxA	307-24-4	0.329	0.316	0.493	J	B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFPeS	2706-91-4	ND	0.296	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFHpA	375-85-9	ND	0.480	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFHxS	355-46-4	1.14	0.304	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
6:2 FTS	27619-97-2	ND	0.511	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFOA	335-67-1	ND	0.266	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFHpS	375-92-8	ND	0.509	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFNA	375-95-1	ND	0.367	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFOSA	754-91-6	ND	0.564	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFOS	1763-23-1	2.72	0.639	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFDA	335-76-2	ND	0.436	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
8:2 FTS	39108-34-4	ND	0.580	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
MeFOSAA	2355-31-9	ND	0.399	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
EtFOSAA	2991-50-6	ND	0.375	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFUnA	2058-94-8	ND	0.499	0.987		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFDS	335-77-3	ND	0.239	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFDoA	307-55-1	ND	0.450	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFTTrDA	72629-94-8	ND	0.401	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
PFTeDA	376-06-7	ND	0.422	0.493		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	81.4	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C3-PFPeA	IS	73.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C3-PFBS	IS	84.7	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-4:2 FTS	IS	86.3	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFHxA	IS	83.9	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C4-PFHpA	IS	79.2	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C3-PFHxS	IS	97.8	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-6:2 FTS	IS	85.2	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C5-PFNA	IS	75.9	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C8-PFOSA	IS	66.9	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFOA	IS	80.2	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C8-PFOS	IS	82.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFDA	IS	76.3	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1

**Sample ID: 62-5-3-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-03	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	25-Feb-22 10:50	Date Received:	01-Mar-22 09:38		
				% Solids:	96.5		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	73.6	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
d3-MeFOSAA	IS	78.6	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFUnA	IS	73.6	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
d5-EtFOSAA	IS	80.4	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFDoA	IS	79.2	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1
13C2-PFTeDA	IS	80.8	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 00:21	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 62-5-6-3**

**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-04	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	25-Feb-22 12:38	Date Received:	01-Mar-22 09:38		
				% Solids:	93.9		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.449	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFPeA	2706-90-3	ND	0.359	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFBS	375-73-5	ND	0.299	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
4:2 FTS	757124-72-4	ND	0.629	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFHxA	307-24-4	0.368	0.313	0.488	J	B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFPeS	2706-91-4	ND	0.293	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFHpA	375-85-9	ND	0.475	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFHxS	355-46-4	3.87	0.301	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
6:2 FTS	27619-97-2	ND	0.506	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFOA	335-67-1	0.533	0.264	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFHpS	375-92-8	ND	0.504	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFNA	375-95-1	ND	0.363	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFOSA	754-91-6	ND	0.559	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFOS	1763-23-1	2.60	0.633	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFDA	335-76-2	ND	0.432	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
8:2 FTS	39108-34-4	ND	0.574	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
MeFOSAA	2355-31-9	ND	0.395	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
EtFOSAA	2991-50-6	ND	0.371	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFUnA	2058-94-8	ND	0.494	0.977		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFDS	335-77-3	ND	0.236	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFDoA	307-55-1	ND	0.445	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFTTrDA	72629-94-8	ND	0.397	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
PFTeDA	376-06-7	ND	0.418	0.488		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.1	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C3-PFPeA	IS	76.9	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C3-PFBS	IS	91.1	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-4:2 FTS	IS	85.0	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFHxA	IS	79.6	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C4-PFHpA	IS	83.1	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C3-PFHxS	IS	83.3	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-6:2 FTS	IS	87.4	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C5-PFNA	IS	75.0	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C8-PFOSA	IS	46.4	50 - 150	H	B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFOA	IS	82.4	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C8-PFOS	IS	78.4	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFDA	IS	71.0	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1

**Sample ID: 62-5-6-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-04	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	25-Feb-22 12:38	Date Received:	01-Mar-22 09:38		
				% Solids:	93.9		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	82.5	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
d3-MeFOSAA	IS	64.7	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFUnA	IS	55.5	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
d5-EtFOSAA	IS	58.5	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFDoA	IS	64.5	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1
13C2-PFTeDA	IS	65.9	50 - 150		B22C152	17-Mar-22	1.09 g	26-Mar-22 00:31	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 62-8-1-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-05	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	28-Feb-22 09:18	Date Received:	01-Mar-22 09:38		
				% Solids:	95.2		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	1.14	0.439	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFPeA	2706-90-3	2.60	0.351	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFBS	375-73-5	9.18	0.292	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
4:2 FTS	757124-72-4	ND	0.615	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFHxA	307-24-4	21.3	0.306	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFPeS	2706-91-4	19.4	0.287	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFHpA	375-85-9	3.45	0.464	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFHxS	355-46-4	42.6	0.294	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
6:2 FTS	27619-97-2	ND	0.495	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFOA	335-67-1	1.74	0.258	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFHpS	375-92-8	ND	0.493	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFNA	375-95-1	ND	0.355	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFOSA	754-91-6	ND	0.546	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFOS	1763-23-1	2.03	0.619	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFDA	335-76-2	ND	0.422	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
8:2 FTS	39108-34-4	ND	0.562	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
MeFOSAA	2355-31-9	ND	0.386	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
EtFOSAA	2991-50-6	ND	0.363	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFUnA	2058-94-8	ND	0.483	0.955		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFDS	335-77-3	ND	0.231	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFDoA	307-55-1	ND	0.436	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFTTrDA	72629-94-8	ND	0.388	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
PFTeDA	376-06-7	ND	0.409	0.478		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	76.0	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C3-PFPeA	IS	70.0	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C3-PFBS	IS	93.8	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-4:2 FTS	IS	77.0	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFHxA	IS	75.9	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C4-PFHpA	IS	76.7	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C3-PFHxS	IS	84.6	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-6:2 FTS	IS	85.0	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C5-PFNA	IS	69.7	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C8-PFOSA	IS	41.8	50 - 150	H	B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFOA	IS	75.9	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C8-PFOS	IS	76.8	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFDA	IS	60.8	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1

**Sample ID: 62-8-1-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-05	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	28-Feb-22 09:18	Date Received:	01-Mar-22 09:38		
				% Solids:	95.2		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	73.0	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
d3-MeFOSAA	IS	70.1	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFUnA	IS	62.4	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
d5-EtFOSAA	IS	67.3	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFDoA	IS	67.5	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1
13C2-PFTeDA	IS	79.5	50 - 150		B22C152	17-Mar-22	1.10 g	26-Mar-22 00:41	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.



**Sample ID: 62-8-2-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-06	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	28-Feb-22 10:36	Date Received:	01-Mar-22 09:38		
				% Solids:	95.5		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.515	0.446	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFPeA	2706-90-3	1.33	0.357	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFBS	375-73-5	2.86	0.297	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
4:2 FTS	757124-72-4	ND	0.624	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFHxA	307-24-4	11.8	0.310	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFPeS	2706-91-4	2.39	0.291	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFHpA	375-85-9	0.739	0.471	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFHxS	355-46-4	21.0	0.298	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
6:2 FTS	27619-97-2	ND	0.502	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFOA	335-67-1	10.9	0.262	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFHpS	375-92-8	1.45	0.500	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFNA	375-95-1	ND	0.361	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFOSA	754-91-6	6.39	0.554	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFOS	1763-23-1	118	0.628	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFDA	335-76-2	ND	0.428	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
8:2 FTS	39108-34-4	ND	0.570	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
MeFOSAA	2355-31-9	ND	0.392	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
EtFOSAA	2991-50-6	ND	0.368	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFUnA	2058-94-8	ND	0.490	0.969		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFDS	335-77-3	ND	0.235	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFDoA	307-55-1	ND	0.442	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFTrDA	72629-94-8	ND	0.393	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
PFTeDA	376-06-7	ND	0.415	0.485		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	89.7	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C3-PFPeA	IS	83.9	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C3-PFBS	IS	104	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-4:2 FTS	IS	88.2	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFHxA	IS	86.3	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C4-PFHpA	IS	89.3	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C3-PFHxS	IS	107	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-6:2 FTS	IS	90.9	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C5-PFNA	IS	81.8	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C8-PFOSA	IS	42.8	50 - 150	H	B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFOA	IS	84.1	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C8-PFOS	IS	87.1	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFDA	IS	76.7	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1

**Sample ID: 62-8-2-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-06	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	28-Feb-22 10:36	Date Received:	01-Mar-22 09:38		
				% Solids:	95.5		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	76.2	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
d3-MeFOSAA	IS	77.1	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFUnA	IS	64.8	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
d5-EtFOSAA	IS	73.8	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFDoA	IS	75.2	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1
13C2-PFTeDA	IS	80.9	50 - 150		B22C152	17-Mar-22	1.08 g	26-Mar-22 00:52	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 62-8-4-3.5**

**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-07	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	28-Feb-22 12:34	Date Received:	01-Mar-22 09:38		
				% Solids:	95.1		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.460	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFPeA	2706-90-3	0.603	0.368	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFBS	375-73-5	0.860	0.306	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
4:2 FTS	757124-72-4	ND	0.645	1.00		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFHxA	307-24-4	8.39	0.320	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFPeS	2706-91-4	1.11	0.300	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFHpA	375-85-9	0.602	0.486	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFHxS	355-46-4	34.8	0.308	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
6:2 FTS	27619-97-2	ND	0.519	1.00		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFOA	335-67-1	20.9	0.270	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFHpS	375-92-8	0.580	0.517	1.00	J	B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFNA	375-95-1	ND	0.372	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFOSA	754-91-6	0.759	0.573	1.00	J	B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFOS	1763-23-1	20.0	0.649	1.00		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFDA	335-76-2	ND	0.442	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
8:2 FTS	39108-34-4	ND	0.589	1.00		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
MeFOSAA	2355-31-9	ND	0.404	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
EtFOSAA	2991-50-6	ND	0.380	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFUnA	2058-94-8	ND	0.506	1.00		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFDS	335-77-3	ND	0.242	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFDoA	307-55-1	ND	0.456	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFTTrDA	72629-94-8	ND	0.406	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
PFTeDA	376-06-7	ND	0.428	0.500		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	83.3	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C3-PFPeA	IS	77.1	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C3-PFBS	IS	93.1	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-4:2 FTS	IS	74.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFHxA	IS	85.0	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C4-PFHpA	IS	81.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C3-PFHxS	IS	99.0	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-6:2 FTS	IS	88.6	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C5-PFNA	IS	78.6	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C8-PFOSA	IS	46.3	50 - 150	H	B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFOA	IS	83.3	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C8-PFOS	IS	80.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFDA	IS	67.4	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1

**Sample ID: 62-8-4-3.5**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-07	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	28-Feb-22 12:34	Date Received:	01-Mar-22 09:38		
				% Solids:	95.1		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	68.0	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
d3-MeFOSAA	IS	67.4	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFUnA	IS	60.3	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
d5-EtFOSAA	IS	63.5	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFDoA	IS	66.2	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1
13C2-PFTeDA	IS	73.4	50 - 150		B22C152	17-Mar-22	1.05 g	26-Mar-22 01:02	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 62-8-6-3.5**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-08	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	28-Feb-22 13:32	Date Received:	01-Mar-22 09:38		
				% Solids:	92.9		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.442	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFPeA	2706-90-3	ND	0.353	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFBS	375-73-5	ND	0.294	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
4:2 FTS	757124-72-4	ND	0.619	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFHxA	307-24-4	2.08	0.307	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFPeS	2706-91-4	0.631	0.288	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFHpA	375-85-9	ND	0.467	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFHxS	355-46-4	24.2	0.296	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
6:2 FTS	27619-97-2	ND	0.498	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFOA	335-67-1	24.1	0.259	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFHpS	375-92-8	1.42	0.496	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFNA	375-95-1	ND	0.357	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFOSA	754-91-6	10.4	0.549	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFOS	1763-23-1	62.2	0.622	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFDA	335-76-2	ND	0.425	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
8:2 FTS	39108-34-4	ND	0.565	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
MeFOSAA	2355-31-9	ND	0.388	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
EtFOSAA	2991-50-6	ND	0.365	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFUnA	2058-94-8	ND	0.486	0.961		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFDS	335-77-3	ND	0.232	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFDoA	307-55-1	ND	0.438	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFTTrDA	72629-94-8	ND	0.390	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
PFTeDA	376-06-7	ND	0.411	0.480		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	86.9	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C3-PFPeA	IS	81.0	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C3-PFBS	IS	90.2	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-4:2 FTS	IS	94.7	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFHxA	IS	88.9	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C4-PFHpA	IS	89.1	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C3-PFHxS	IS	113	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-6:2 FTS	IS	95.9	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C5-PFNA	IS	82.1	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C8-PFOSA	IS	50.8	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFOA	IS	90.4	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C8-PFOS	IS	90.9	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFDA	IS	80.0	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1

**Sample ID: 62-8-6-3.5**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203009-08	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	28-Feb-22 13:32	Date Received:	01-Mar-22 09:38		
				% Solids:	92.9		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	83.7	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
d3-MeFOSAA	IS	78.3	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFUnA	IS	68.7	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
d5-EtFOSAA	IS	74.5	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFDoA	IS	76.9	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1
13C2-PFTeDA	IS	83.3	50 - 150		B22C152	17-Mar-22	1.12 g	26-Mar-22 01:13	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

## DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

### Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-26
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

*Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.*



## NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

2203009

3.1°C

FROM: GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		PROJECT NAME: <u>Ontario Airport</u>			PROJECT NO.: <u>5925</u>						
TEL: (949) 679-1070		PROJECT CONTACT: <u>Vinnie Robino / Josh Voss</u>			LAB CONTACT: <u>Jamie Fox</u>						
E-MAIL: <u>vprobino@gsi-net.com / jcvoss@gsi-net.com</u>		GLOBAL ID:			SAMPLER(S): (PRINT) <u>JCV/TN</u>						
LABORATORY: <u>Vista Analytical Laboratory</u>				<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.							
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD				Unpreserved	Preserved	Field Filtered	PFAS 537*				
SPECIAL INSTRUCTIONS: *List of 23 analytes using US EPA Method 537, compliant with DoD Table B-15 of QSM, dated 2017, version 5.1 or later							HOLD				
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PFAS 537*	HOLD	
		DATE	TIME								
	<u>62-5-1-3</u>	<u>2/25/22</u>	<u>0853</u>	<u>soil</u>	<u>1</u>	<u>1</u>		<u>X</u>	<u>JCV</u>	<u>X</u>	
	<u>62-5-2-3</u>	<u>↓</u>	<u>1006</u>	<u>↓</u>	<u>1</u>	<u>1</u>		<u>X</u>			
	<u>62-5-3-3</u>	<u>↓</u>	<u>1050</u>	<u>↓</u>	<u>1</u>	<u>1</u>		<u>X</u>			
	<u>62-5-6-3</u>	<u>↓</u>	<u>1238</u>	<u>↓</u>	<u>1</u>	<u>1</u>		<u>X</u>			
	<u>62-8-1-3</u>	<u>2/28/22</u>	<u>0918</u>	<u>Soil</u>	<u>1</u>	<u>1</u>		<u>X</u>			
	<u>62-8-2-3</u>	<u>↓</u>	<u>1036</u>	<u>↓</u>	<u>1</u>	<u>1</u>		<u>X</u>			
	<u>62-8-4-3.5</u>	<u>↓</u>	<u>1234</u>	<u>↓</u>	<u>1</u>	<u>1</u>		<u>X</u>			
	<u>62-8-6-3.5</u>	<u>↓</u>	<u>1332</u>	<u>↓</u>	<u>1</u>	<u>1</u>		<u>X</u>			
	<u>EB-1-20220228</u>	<u>↓</u>	<u>1440</u>	<u>Water</u>	<u>2</u>	<u>2</u>				<u>X</u>	
Relinquished by: (Signature) <u>[Signature]</u>				Received by: (Signature) <u>[Signature]</u>				Date: <u>2/28/22</u>		Time: <u>1600</u>	
Relinquished by: (Signature)				Received by: (Signature)				Date: <u>2/28/22</u>		Time:	
Relinquished by: (Signature)				Received by: (Signature)				Date:		Time:	

# Sample Log-In Checklist

 Page # 1 of 1

 Vista Work Order #: 2203009 TAT 5+J

<b>Samples Arrival:</b>	<b>Date/Time:</b> 03/01/22 09:38	<b>Initials:</b> 162	<b>Location:</b> WR-2
			<b>Shelf/Rack:</b> N12
<b>Delivered By:</b>	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered
	<input type="checkbox"/> Other		
<b>Preservation:</b>	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Techni Ice
	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None	
<b>Temp °C:</b> 3.3 (uncorrected)	<b>Probe used:</b> Y / <input checked="" type="checkbox"/> N		<b>Thermometer ID:</b> IR-4
<b>Temp °C:</b> 3.1 (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill <input checked="" type="checkbox"/> Trk # 8162 8505 2967	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	Vista	<input checked="" type="checkbox"/> Client	Retain
		<input checked="" type="checkbox"/> Return	Dispose
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Logged In:</b>	<b>Date/Time:</b> 03/01/22 15:15	<b>Initials:</b> 162	<b>Location:</b> R-13, WR-2 ↓ ↓
			<b>Shelf/Rack:</b> A-2, A-4, F-5
COC Anomaly/Sample Acceptance Form completed?			
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

# CoC/Label Reconciliation Report WO# 2203009

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2203009-01	A 62-5-1-3		25-Feb-22 08:53	HDPE Jar, 6 oz	Solid	
2203009-02	A 62-5-2-3		25-Feb-22 10:06	HDPE Jar, 6 oz	Solid	
2203009-03	A 62-5-3-3		25-Feb-22 10:50	HDPE Jar, 6 oz	Solid	
2203009-04	A 62-5-6-3		25-Feb-22 12:38	HDPE Jar, 6 oz	Solid	
2203009-05	A 62-8-1-3		28-Feb-22 09:18	HDPE Jar, 6 oz	Solid	
2203009-06	A 62-8-2-3		28-Feb-22 10:36	HDPE Jar, 6 oz	Solid	
2203009-07	A 62-8-4-3.5		28-Feb-22 12:34	HDPE Jar, 6 oz	Solid	
2203009-08	A 62-8-6-3.5		28-Feb-22 13:32	HDPE Jar, 6 oz	Solid	
2203009-09	A EB-1-20220228		28-Feb-22 14:40	HDPE Bottle, 250 mL	Aqueous	
2203009-09	B EB-1-20220228		28-Feb-22 14:40	HDPE Bottle, 250 mL	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.  
Any discrepancies are noted in the following columns.

	Yes	No	NA	Comments:
Sample Container Intact?	✓			
Sample Custody Seals Intact?			✓	
Adequate Sample Volume?	✓			
Container Type Appropriate for Analysis(es)	✓			

Preservation Documented: Na2S2O3    Trizma    NH4CH3CO2    None    Other

Verified by/Date: 16x 03/02/22

April 12, 2022

**Vista Work Order No. 2203027**

Mr. Vincent Robino  
GSI Environmental Inc.  
19200 Von Karman Avenue  
Irvine, CA 92612

Dear Mr. Robino,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on March 03, 2022 under your Project Name 'Ontario Airport / 5925'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at [jfox@vista-analytical.com](mailto:jfox@vista-analytical.com).

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox  
Laboratory Director



*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.*

## Vista Work Order No. 2203027

### Case Narrative

#### Sample Condition on Receipt:

Eleven solid samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements.

#### Analytical Notes:

##### **PFAS Isotope Dilution/LC-MSMS Method Compliant with Table B-15 of DoD QSM 5.3 (Solid)**

The samples were extracted and analyzed for a selected list of PFAS using Isotope Dilution and LC-MS/MS compliant with Table B-15 of DoD QSM 5.3. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

##### Holding Times

The samples were extracted and analyzed within the hold times.

##### Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limits (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are flagged with an "H" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

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# Sample Inventory Report



<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
2203027-01	62-5-1-SO-3	01-Mar-22 08:00	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-02	62-9-1-6	01-Mar-22 09:15	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-03	62-9-3-6	01-Mar-22 11:00	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-04	62-2-3-6	01-Mar-22 13:15	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-05	62-2-1-6	01-Mar-22 13:55	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-06	62-2-2-6	02-Mar-22 08:20	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-07	62-2-4-6	02-Mar-22 08:55	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-08	68-12-2-3	02-Mar-22 10:27	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-09	68-12-2-6	02-Mar-22 10:40	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-10	68-12-1-3	02-Mar-22 11:30	03-Mar-22 09:11	HDPE Jar, 6 oz
2203027-11	68-12-1-6	02-Mar-22 11:40	03-Mar-22 09:11	HDPE Jar, 6 oz

## **ANALYTICAL RESULTS**

**Sample ID: Method Blank**

**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	B22C175-BLK1	Column:	BEH C18
Project:	Ontario Airport / 5925						

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.460	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFPeA	2706-90-3	ND	0.368	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFBS	375-73-5	ND	0.306	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
4:2 FTS	757124-72-4	ND	0.644	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFHxA	307-24-4	ND	0.320	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFPeS	2706-91-4	ND	0.300	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFHpA	375-85-9	ND	0.486	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFHxS	355-46-4	ND	0.308	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
6:2 FTS	27619-97-2	ND	0.518	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFOA	335-67-1	ND	0.270	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFHpS	375-92-8	ND	0.516	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFNA	375-95-1	ND	0.372	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFOSA	754-91-6	ND	0.572	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFOS	1763-23-1	ND	0.648	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFDA	335-76-2	ND	0.442	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
8:2 FTS	39108-34-4	ND	0.588	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
MeFOSAA	2355-31-9	ND	0.404	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
EtFOSAA	2991-50-6	ND	0.380	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFOA	2058-94-8	ND	0.506	1.00		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFDS	335-77-3	ND	0.242	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFDoA	307-55-1	ND	0.456	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFTTrDA	72629-94-8	ND	0.406	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
PFTeDA	376-06-7	ND	0.428	0.500		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C3-PFPeA	IS	86.5	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C3-PFBS	IS	83.1	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-4:2 FTS	IS	82.9	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-PFHxA	IS	86.1	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C4-PFHpA	IS	86.2	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C3-PFHxS	IS	82.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-6:2 FTS	IS	82.4	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C5-PFNA	IS	81.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C8-PFOA	IS	35.3	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-PFOA	IS	82.6	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C8-PFOS	IS	77.8	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-PFDA	IS	66.2	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1
13C2-8:2 FTS	IS	81.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1

Sample ID: Method Blank				PFAS Isotope Dilution Method						
Client Data				Laboratory Data						
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	B22C175-BLK1	Column:	BEH C18			
Project:	Ontario Airport / 5925									
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
d3-MeFOSAA	IS	52.2	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1	
13C2-PFUnA	IS	57.0	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1	
d5-EtFOSAA	IS	52.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1	
13C2-PFDoA	IS	48.2	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1	
13C2-PFTeDA	IS	56.1	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:37	1	

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data					Laboratory Data						
Name:	GSI Environmental Inc.	Matrix:	Solid		Lab Sample:	B22C175-BS1	Column:	BEH C18			
Project:	Ontario Airport / 5925										

Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	10.8	10.0	108	71 - 135		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFPeA	2706-90-3	10.0	10.0	100	69 - 132		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFBS	375-73-5	10.3	10.0	103	72 - 128		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
4:2 FTS	757124-72-4	9.41	10.0	94.1	62 - 145		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFHxA	307-24-4	10.3	10.0	103	70 - 132		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFPeS	2706-91-4	8.73	10.0	87.3	73 - 123		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFHpA	375-85-9	10.6	10.0	106	71 - 131		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFHxS	355-46-4	10.1	10.0	101	67 - 130		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
6:2 FTS	27619-97-2	9.55	10.0	95.5	64 - 140		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFOA	335-67-1	10.2	10.0	102	69 - 133		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFHpS	375-92-8	9.36	10.0	93.6	70 - 132		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFNA	375-95-1	9.87	10.0	98.7	72 - 129		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFOSA	754-91-6	10.9	10.0	109	67 - 137		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFOS	1763-23-1	9.59	10.0	95.9	68 - 136		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFDA	335-76-2	11.5	10.0	115	69 - 133		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
8:2 FTS	39108-34-4	9.63	10.0	96.3	65 - 137		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
MeFOSAA	2355-31-9	10.6	10.0	106	63 - 144		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
EtFOSAA	2991-50-6	9.84	10.0	98.4	61 - 139		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFUnA	2058-94-8	10.2	10.0	102	64 - 136		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFDS	335-77-3	7.55	10.0	75.5	59 - 134		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFDoA	307-55-1	11.7	10.0	117	69 - 135		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFTrDA	72629-94-8	10.8	10.0	108	66 - 139		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
PFTeDA	376-06-7	10.3	10.0	103	69 - 133		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	79.0	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C3-PFPeA	IS	80.6	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C3-PFBS	IS	90.5	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-4:2 FTS	IS	83.8	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFHxA	IS	83.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C4-PFHpA	IS	80.5	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C3-PFHxS	IS	85.1	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-6:2 FTS	IS	81.9	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C5-PFNA	IS	76.4	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C8-PFOSA	IS	34.0	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFOA	IS	78.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1

**Sample ID: OPR**
**PFAS Isotope Dilution Method**
**Client Data**

 Name: GSI Environmental Inc.  
 Project: Ontario Airport / 5925

Matrix: Solid

**Laboratory Data**

Lab Sample: B22C175-BS1      Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	89.4	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFDA	IS	56.3	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-8:2 FTS	IS	83.7	50 - 150		B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
d3-MeFOSAA	IS	40.1	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFUnA	IS	48.2	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
d5-EtFOSAA	IS	37.9	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFDoA	IS	35.6	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1
13C2-PFTeDA	IS	37.7	50 - 150	H	B22C175	24-Mar-22	1.00 g	31-Mar-22 17:48	1

**Sample ID: 62-5-1-SO-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-01	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	01-Mar-22 08:00	Date Received:	03-Mar-22 09:11		
				% Solids:	94.9		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.441	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFPeA	2706-90-3	0.425	0.353	0.479	J	B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFBS	375-73-5	0.390	0.293	0.479	J	B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
4:2 FTS	757124-72-4	ND	0.617	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFHxA	307-24-4	5.13	0.307	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFPeS	2706-91-4	1.91	0.287	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFHpA	375-85-9	ND	0.466	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFHxS	355-46-4	62.1	0.295	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
6:2 FTS	27619-97-2	ND	0.496	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFOA	335-67-1	9.88	0.259	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFHpS	375-92-8	52.0	0.494	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFNA	375-95-1	ND	0.356	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFOSA	754-91-6	2.27	0.548	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFOS	1763-23-1	1140	6.21	9.58	D, Q	B22C175	24-Mar-22	1.10 g	31-Mar-22 18:08	10
PFDA	335-76-2	ND	0.424	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
8:2 FTS	39108-34-4	ND	0.563	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
MeFOSAA	2355-31-9	ND	0.387	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
EtFOSAA	2991-50-6	ND	0.364	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFUnA	2058-94-8	ND	0.485	0.958		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFDS	335-77-3	ND	0.232	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFDoA	307-55-1	ND	0.437	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFTTrDA	72629-94-8	ND	0.389	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
PFTeDA	376-06-7	ND	0.410	0.479		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	73.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C3-PFPeA	IS	71.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C3-PFBS	IS	75.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-4:2 FTS	IS	90.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-PFHxA	IS	77.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C4-PFHpA	IS	79.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C3-PFHxS	IS	82.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-6:2 FTS	IS	79.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C5-PFNA	IS	68.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C8-PFOSA	IS	39.9	50 - 150	H	B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-PFOA	IS	69.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C8-PFOS	IS	83.0	50 - 150	D	B22C175	24-Mar-22	1.10 g	31-Mar-22 18:08	10
13C2-PFDA	IS	61.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1

**Sample ID: 62-5-1-SO-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-01	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	01-Mar-22 08:00	Date Received:	03-Mar-22 09:11		
				% Solids:	94.9		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	78.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
d3-MeFOSAA	IS	55.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-PFUnA	IS	60.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
d5-EtFOSAA	IS	58.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-PFDoA	IS	57.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1
13C2-PFTeDA	IS	57.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 20:46	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.



**Sample ID: 62-9-1-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-02	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	01-Mar-22 09:15	Date Received:	03-Mar-22 09:11		
				% Solids:	91.1		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.443	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFPeA	2706-90-3	ND	0.354	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFBS	375-73-5	ND	0.295	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
4:2 FTS	757124-72-4	ND	0.620	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFHxA	307-24-4	ND	0.308	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFPeS	2706-91-4	ND	0.289	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFHpA	375-85-9	ND	0.468	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFHxS	355-46-4	0.774	0.297	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
6:2 FTS	27619-97-2	ND	0.499	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFOA	335-67-1	0.403	0.260	0.481	J	B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFHpS	375-92-8	ND	0.497	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFNA	375-95-1	ND	0.358	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFOSA	754-91-6	ND	0.551	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFOS	1763-23-1	18.8	0.624	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFDA	335-76-2	ND	0.426	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
8:2 FTS	39108-34-4	ND	0.566	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
MeFOSAA	2355-31-9	ND	0.389	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
EtFOSAA	2991-50-6	ND	0.366	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFUnA	2058-94-8	ND	0.487	0.963		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFDS	335-77-3	ND	0.233	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFDoA	307-55-1	ND	0.439	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFTTrDA	72629-94-8	ND	0.391	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
PFTeDA	376-06-7	ND	0.412	0.481		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.2	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C3-PFPeA	IS	80.5	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C3-PFBS	IS	84.1	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-4:2 FTS	IS	80.8	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFHxA	IS	82.8	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C4-PFHpA	IS	81.8	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C3-PFHxS	IS	82.7	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-6:2 FTS	IS	89.5	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C5-PFNA	IS	73.9	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C8-PFOSA	IS	37.1	50 - 150	H	B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFOA	IS	76.1	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C8-PFOS	IS	82.8	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFDA	IS	55.8	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1

**Sample ID: 62-9-1-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-02	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	01-Mar-22 09:15	Date Received:	03-Mar-22 09:11		
				% Solids:	91.1		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	68.1	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
d3-MeFOSAA	IS	56.0	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFUnA	IS	60.5	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
d5-EtFOSAA	IS	54.6	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFDoA	IS	57.1	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1
13C2-PFTeDA	IS	65.4	50 - 150		B22C175	24-Mar-22	1.14 g	31-Mar-22 18:19	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 62-9-3-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-03	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	01-Mar-22 11:00	Date Received:	03-Mar-22 09:11		
				% Solids:	93.7		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.446	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFPeA	2706-90-3	ND	0.357	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFBS	375-73-5	ND	0.297	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
4:2 FTS	757124-72-4	ND	0.625	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFHxA	307-24-4	0.507	0.310	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFPeS	2706-91-4	ND	0.291	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFHpA	375-85-9	ND	0.472	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFHxS	355-46-4	23.9	0.299	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
6:2 FTS	27619-97-2	ND	0.503	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFOA	335-67-1	6.24	0.262	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFHpS	375-92-8	ND	0.501	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFNA	375-95-1	ND	0.361	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFOSA	754-91-6	ND	0.555	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFOS	1763-23-1	2.94	0.629	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFDA	335-76-2	ND	0.429	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
8:2 FTS	39108-34-4	ND	0.571	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
MeFOSAA	2355-31-9	ND	0.392	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
EtFOSAA	2991-50-6	ND	0.369	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFUnA	2058-94-8	ND	0.491	0.970		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFDS	335-77-3	ND	0.235	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFDoA	307-55-1	ND	0.442	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFTTrDA	72629-94-8	ND	0.394	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
PFTeDA	376-06-7	ND	0.415	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	75.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C3-PFPeA	IS	76.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C3-PFBS	IS	83.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-4:2 FTS	IS	89.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFHxA	IS	80.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C4-PFHpA	IS	80.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C3-PFHxS	IS	86.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-6:2 FTS	IS	91.0	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C5-PFNA	IS	71.0	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C8-PFOSA	IS	47.2	50 - 150	H	B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFOA	IS	81.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C8-PFOS	IS	84.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFDA	IS	54.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1

**Sample ID: 62-9-3-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-03	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	01-Mar-22 11:00	Date Received:	03-Mar-22 09:11		
				% Solids:	93.7		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	72.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
d3-MeFOSAA	IS	60.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFUnA	IS	58.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
d5-EtFOSAA	IS	53.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFDoA	IS	61.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1
13C2-PFTeDA	IS	60.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:07	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 62-2-3-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-04	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	01-Mar-22 13:15	Date Received:	03-Mar-22 09:11		
				% Solids:	95.2		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.452	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFPeA	2706-90-3	ND	0.361	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFBS	375-73-5	ND	0.300	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
4:2 FTS	757124-72-4	ND	0.632	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFHxA	307-24-4	ND	0.314	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFPeS	2706-91-4	ND	0.294	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFHpA	375-85-9	ND	0.477	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFHxS	355-46-4	4.14	0.302	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
6:2 FTS	27619-97-2	ND	0.508	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFOA	335-67-1	0.518	0.265	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFHpS	375-92-8	ND	0.506	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFNA	375-95-1	ND	0.365	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFOSA	754-91-6	ND	0.561	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFOS	1763-23-1	2.94	0.636	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFDA	335-76-2	ND	0.434	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
8:2 FTS	39108-34-4	ND	0.577	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
MeFOSAA	2355-31-9	ND	0.397	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
EtFOSAA	2991-50-6	ND	0.373	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFUnA	2058-94-8	ND	0.497	0.982		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFDS	335-77-3	ND	0.238	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFDoA	307-55-1	ND	0.448	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFTTrDA	72629-94-8	ND	0.399	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
PFTeDA	376-06-7	ND	0.420	0.491		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	75.0	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C3-PFPeA	IS	75.5	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C3-PFBS	IS	92.1	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-4:2 FTS	IS	94.2	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFHxA	IS	79.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C4-PFHpA	IS	79.5	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C3-PFHxS	IS	91.1	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-6:2 FTS	IS	89.2	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C5-PFNA	IS	63.5	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C8-PFOSA	IS	58.0	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFOA	IS	74.2	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C8-PFOS	IS	76.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFDA	IS	58.0	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1

**Sample ID: 62-2-3-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-04	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	01-Mar-22 13:15	Date Received:	03-Mar-22 09:11		
				% Solids:	95.2		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	70.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
d3-MeFOSAA	IS	59.3	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFUnA	IS	57.3	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
d5-EtFOSAA	IS	61.7	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFDoA	IS	58.7	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1
13C2-PFTeDA	IS	52.1	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:17	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 62-2-1-6**

**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-05	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	01-Mar-22 13:55	Date Received:	03-Mar-22 09:11		
				% Solids:	93.7		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.447	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFPeA	2706-90-3	ND	0.357	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFBS	375-73-5	ND	0.297	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
4:2 FTS	757124-72-4	ND	0.625	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFHxA	307-24-4	ND	0.311	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFPeS	2706-91-4	ND	0.291	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFHpA	375-85-9	ND	0.472	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFHxS	355-46-4	9.88	0.299	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
6:2 FTS	27619-97-2	ND	0.503	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFOA	335-67-1	4.84	0.262	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFHpS	375-92-8	ND	0.501	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFNA	375-95-1	ND	0.361	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFOSA	754-91-6	ND	0.555	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFOS	1763-23-1	18.3	0.629	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFDA	335-76-2	ND	0.429	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
8:2 FTS	39108-34-4	ND	0.571	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
MeFOSAA	2355-31-9	ND	0.392	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
EtFOSAA	2991-50-6	ND	0.369	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFUnA	2058-94-8	ND	0.491	0.971		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFDS	335-77-3	ND	0.235	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFDoA	307-55-1	ND	0.443	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFTTrDA	72629-94-8	ND	0.394	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
PFTeDA	376-06-7	ND	0.415	0.485		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	73.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C3-PFPeA	IS	73.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C3-PFBS	IS	77.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-4:2 FTS	IS	109	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFHxA	IS	78.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C4-PFHpA	IS	77.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C3-PFHxS	IS	84.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-6:2 FTS	IS	80.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C5-PFNA	IS	74.2	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C8-PFOSA	IS	59.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFOA	IS	74.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C8-PFOS	IS	81.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFDA	IS	62.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1

**Sample ID: 62-2-1-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-05	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	01-Mar-22 13:55	Date Received:	03-Mar-22 09:11		
				% Solids:	93.7		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	62.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
d3-MeFOSAA	IS	61.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFUnA	IS	65.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
d5-EtFOSAA	IS	67.0	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFDoA	IS	65.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1
13C2-PFTeDA	IS	64.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:28	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.



**Sample ID: 62-2-2-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-06	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 08:20	Date Received:	03-Mar-22 09:11		
				% Solids:	90.9		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.460	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFPeA	2706-90-3	ND	0.368	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFBS	375-73-5	ND	0.306	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
4:2 FTS	757124-72-4	ND	0.644	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFHxA	307-24-4	ND	0.320	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFPeS	2706-91-4	ND	0.300	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFHpA	375-85-9	ND	0.486	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFHxS	355-46-4	5.13	0.308	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
6:2 FTS	27619-97-2	ND	0.518	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFOA	335-67-1	1.87	0.270	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFHpS	375-92-8	0.659	0.516	1.00	J	B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFNA	375-95-1	ND	0.372	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFOSA	754-91-6	ND	0.572	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFOS	1763-23-1	109	0.648	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFDA	335-76-2	0.549	0.442	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
8:2 FTS	39108-34-4	ND	0.588	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
MeFOSAA	2355-31-9	ND	0.404	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
EtFOSAA	2991-50-6	ND	0.380	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFUnA	2058-94-8	ND	0.506	1.00		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFDS	335-77-3	ND	0.242	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFDoA	307-55-1	ND	0.456	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFTTrDA	72629-94-8	ND	0.406	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
PFTeDA	376-06-7	ND	0.428	0.500		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	74.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C3-PFPeA	IS	74.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C3-PFBS	IS	85.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-4:2 FTS	IS	89.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFHxA	IS	78.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C4-PFHpA	IS	82.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C3-PFHxS	IS	86.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-6:2 FTS	IS	76.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C5-PFNA	IS	72.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C8-PFOSA	IS	57.5	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFOA	IS	78.6	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C8-PFOS	IS	81.1	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFDA	IS	61.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1

**Sample ID: 62-2-2-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-06	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 08:20	Date Received:	03-Mar-22 09:11		
				% Solids:	90.9		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	75.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
d3-MeFOSAA	IS	64.4	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFUnA	IS	62.8	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
d5-EtFOSAA	IS	64.9	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFDoA	IS	58.7	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1
13C2-PFTeDA	IS	63.3	50 - 150		B22C175	24-Mar-22	1.10 g	30-Mar-22 21:38	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 62-2-4-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-07	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 08:55	Date Received:	03-Mar-22 09:11		
				% Solids:	93.9		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.442	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFPeA	2706-90-3	ND	0.353	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFBS	375-73-5	ND	0.294	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
4:2 FTS	757124-72-4	ND	0.618	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFHxA	307-24-4	ND	0.307	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFPeS	2706-91-4	ND	0.288	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFHpA	375-85-9	ND	0.467	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFHxS	355-46-4	5.64	0.296	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
6:2 FTS	27619-97-2	ND	0.497	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFOA	335-67-1	5.52	0.259	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFHpS	375-92-8	ND	0.495	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFNA	375-95-1	ND	0.357	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFOSA	754-91-6	ND	0.549	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFOS	1763-23-1	4.59	0.622	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFDA	335-76-2	ND	0.424	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
8:2 FTS	39108-34-4	ND	0.564	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
MeFOSAA	2355-31-9	ND	0.388	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
EtFOSAA	2991-50-6	ND	0.365	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFUnA	2058-94-8	ND	0.486	0.960		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFDS	335-77-3	ND	0.232	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFDoA	307-55-1	ND	0.438	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFTTrDA	72629-94-8	ND	0.390	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
PFTeDA	376-06-7	ND	0.411	0.480		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	77.2	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C3-PFPeA	IS	75.8	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C3-PFBS	IS	82.4	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-4:2 FTS	IS	85.9	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFHxA	IS	81.8	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C4-PFHpA	IS	83.8	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C3-PFHxS	IS	95.9	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-6:2 FTS	IS	87.4	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C5-PFNA	IS	75.5	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C8-PFOSA	IS	47.4	50 - 150	H	B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFOA	IS	80.4	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C8-PFOS	IS	83.2	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFDA	IS	63.5	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1

**Sample ID: 62-2-4-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-07	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 08:55	Date Received:	03-Mar-22 09:11		
				% Solids:	93.9		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	77.0	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
d3-MeFOSAA	IS	64.3	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFUnA	IS	61.6	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
d5-EtFOSAA	IS	63.5	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFDoA	IS	54.8	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1
13C2-PFTeDA	IS	59.2	50 - 150		B22C175	24-Mar-22	1.11 g	30-Mar-22 21:48	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 68-12-2-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-08	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 10:27	Date Received:	03-Mar-22 09:11		
				% Solids:	96.2		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.78	0.447	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFPeA	2706-90-3	14.8	0.357	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFBS	375-73-5	8.88	0.297	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
4:2 FTS	757124-72-4	ND	0.625	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFHxA	307-24-4	57.2	0.311	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFPeS	2706-91-4	4.27	0.291	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFHpA	375-85-9	5.34	0.472	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFHxS	355-46-4	65.0	0.299	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
6:2 FTS	27619-97-2	20.7	0.503	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFOA	335-67-1	134	0.262	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFHpS	375-92-8	0.788	0.501	0.971	J	B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFNA	375-95-1	ND	0.361	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFOSA	754-91-6	7.56	0.555	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFOS	1763-23-1	31.0	0.629	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFDA	335-76-2	ND	0.429	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
8:2 FTS	39108-34-4	1.48	0.571	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
MeFOSAA	2355-31-9	ND	0.392	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
EtFOSAA	2991-50-6	ND	0.369	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFUnA	2058-94-8	ND	0.491	0.971		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFDS	335-77-3	ND	0.235	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFDoA	307-55-1	ND	0.443	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFTTrDA	72629-94-8	ND	0.394	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
PFTeDA	376-06-7	ND	0.416	0.486		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	74.9	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C3-PFPeA	IS	73.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C3-PFBS	IS	91.0	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-4:2 FTS	IS	84.9	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFHxA	IS	81.3	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C4-PFHpA	IS	81.1	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C3-PFHxS	IS	86.9	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-6:2 FTS	IS	78.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C5-PFNA	IS	76.5	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C8-PFOSA	IS	45.3	50 - 150	H	B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFOA	IS	78.7	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C8-PFOS	IS	76.2	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFDA	IS	60.8	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1

**Sample ID: 68-12-2-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-08	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 10:27	Date Received:	03-Mar-22 09:11		
				% Solids:	96.2		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	69.5	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
d3-MeFOSAA	IS	58.0	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFUnA	IS	52.4	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
d5-EtFOSAA	IS	54.6	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFDoA	IS	53.6	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1
13C2-PFTeDA	IS	55.7	50 - 150		B22C175	24-Mar-22	1.07 g	30-Mar-22 21:59	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 68-12-2-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-09	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 10:40	Date Received:	03-Mar-22 09:11		
				% Solids:	96.9		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.54	0.448	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFPeA	2706-90-3	6.90	0.358	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFBS	375-73-5	7.87	0.298	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
4:2 FTS	757124-72-4	ND	0.627	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFHxA	307-24-4	37.3	0.312	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFPeS	2706-91-4	5.29	0.292	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFHpA	375-85-9	4.34	0.473	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFHxS	355-46-4	59.1	0.300	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
6:2 FTS	27619-97-2	2.04	0.504	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFOA	335-67-1	113	0.263	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFHpS	375-92-8	ND	0.502	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFNA	375-95-1	ND	0.362	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFOSA	754-91-6	ND	0.557	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFOS	1763-23-1	1.66	0.631	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFDA	335-76-2	ND	0.430	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
8:2 FTS	39108-34-4	ND	0.573	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
MeFOSAA	2355-31-9	ND	0.393	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
EtFOSAA	2991-50-6	ND	0.370	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFUnA	2058-94-8	ND	0.493	0.974		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFDS	335-77-3	ND	0.236	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFDoA	307-55-1	ND	0.444	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFTTrDA	72629-94-8	ND	0.395	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
PFTeDA	376-06-7	ND	0.417	0.487		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	71.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C3-PFPeA	IS	69.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C3-PFBS	IS	83.9	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-4:2 FTS	IS	77.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFHxA	IS	74.9	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C4-PFHpA	IS	74.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C3-PFHxS	IS	78.5	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-6:2 FTS	IS	71.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C5-PFNA	IS	71.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C8-PFOSA	IS	44.3	50 - 150	H	B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFOA	IS	70.5	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C8-PFOS	IS	80.4	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFDA	IS	60.2	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1

**Sample ID: 68-12-2-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-09	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 10:40	Date Received:	03-Mar-22 09:11		
				% Solids:	96.9		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	69.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
d3-MeFOSAA	IS	56.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFUnA	IS	52.1	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
d5-EtFOSAA	IS	57.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFDoA	IS	55.7	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1
13C2-PFTeDA	IS	55.2	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:09	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.



**Sample ID: 68-12-1-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-10	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 11:30	Date Received:	03-Mar-22 09:11		
				% Solids:	95.6		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.460	0.454	0.494	J	B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFPeA	2706-90-3	1.66	0.363	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFBS	375-73-5	ND	0.302	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
4:2 FTS	757124-72-4	ND	0.636	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFHxA	307-24-4	14.3	0.316	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFPeS	2706-91-4	1.09	0.296	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFHpA	375-85-9	1.45	0.480	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFHxS	355-46-4	15.6	0.304	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
6:2 FTS	27619-97-2	130	0.511	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFOA	335-67-1	7.35	0.267	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFHpS	375-92-8	3.81	0.509	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFNA	375-95-1	ND	0.367	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFOSA	754-91-6	ND	0.565	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFOS	1763-23-1	328	0.640	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFDA	335-76-2	ND	0.436	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
8:2 FTS	39108-34-4	2.89	0.581	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
MeFOSAA	2355-31-9	ND	0.399	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
EtFOSAA	2991-50-6	ND	0.375	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFUnA	2058-94-8	ND	0.500	0.987		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFDS	335-77-3	ND	0.239	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFDoA	307-55-1	ND	0.450	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFTTrDA	72629-94-8	ND	0.401	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
PFTeDA	376-06-7	ND	0.423	0.494		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	75.7	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C3-PFPeA	IS	74.5	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C3-PFBS	IS	83.2	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-4:2 FTS	IS	80.9	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFHxA	IS	81.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C4-PFHpA	IS	83.5	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C3-PFHxS	IS	90.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-6:2 FTS	IS	85.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C5-PFNA	IS	81.9	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C8-PFOSA	IS	46.1	50 - 150	H	B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFOA	IS	79.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C8-PFOS	IS	82.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFDA	IS	62.1	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1

**Sample ID: 68-12-1-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-10	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 11:30	Date Received:	03-Mar-22 09:11		
				% Solids:	95.6		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	77.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
d3-MeFOSAA	IS	54.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFUnA	IS	58.7	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
d5-EtFOSAA	IS	62.4	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFDoA	IS	52.4	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1
13C2-PFTeDA	IS	58.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 22:19	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 68-12-1-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-11	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 11:40	Date Received:	03-Mar-22 09:11		
				% Solids:	95.0		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.479	0.457	0.496	J	B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFPeA	2706-90-3	1.66	0.365	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFBS	375-73-5	ND	0.304	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
4:2 FTS	757124-72-4	ND	0.639	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFHxA	307-24-4	3.11	0.318	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFPeS	2706-91-4	0.463	0.298	0.496	J	B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFHpA	375-85-9	1.22	0.483	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFHxS	355-46-4	20.1	0.306	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
6:2 FTS	27619-97-2	146	0.514	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFOA	335-67-1	6.65	0.268	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFHpS	375-92-8	4.74	0.512	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFNA	375-95-1	ND	0.369	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFOSA	754-91-6	ND	0.568	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFOS	1763-23-1	238	0.643	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFDA	335-76-2	ND	0.439	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
8:2 FTS	39108-34-4	3.84	0.584	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
MeFOSAA	2355-31-9	ND	0.401	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
EtFOSAA	2991-50-6	ND	0.377	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFUnA	2058-94-8	ND	0.502	0.993		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFDS	335-77-3	ND	0.240	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFDoA	307-55-1	ND	0.453	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFTTrDA	72629-94-8	ND	0.403	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
PFTeDA	376-06-7	ND	0.425	0.496		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	71.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C3-PFPeA	IS	68.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C3-PFBS	IS	80.7	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-4:2 FTS	IS	85.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFHxA	IS	75.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C4-PFHpA	IS	79.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C3-PFHxS	IS	83.1	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-6:2 FTS	IS	78.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C5-PFNA	IS	74.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C8-PFOSA	IS	43.2	50 - 150	H	B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFOA	IS	77.0	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C8-PFOS	IS	77.6	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFDA	IS	60.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1

**Sample ID: 68-12-1-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	2203027-11	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	02-Mar-22 11:40	Date Received:	03-Mar-22 09:11		
				% Solids:	95.0		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	67.4	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
d3-MeFOSAA	IS	55.1	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFUnA	IS	52.5	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
d5-EtFOSAA	IS	58.3	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFDoA	IS	51.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1
13C2-PFTeDA	IS	57.8	50 - 150		B22C175	24-Mar-22	1.06 g	30-Mar-22 23:01	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

## DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

### Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-26
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

*Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.*

## NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A



2203027 3.4°C

<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070	<b>PROJECT NAME:</b> <u>Ontario Airport</u> <b>PROJECT CONTACT:</b> <u>Vinnie Robino / Josh Voss</u> <b>GLOBAL ID:</b>	<b>PROJECT NO.:</b> <u>5425</u> <b>LAB CONTACT:</b> <u>Jamie Fox</u> <b>SAMPLER(S) (PRINT):</b> <u>JCV</u>
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TEL: (949) 679-1070	E-MAIL: <a href="mailto:vprobino@gsi-net.com">vprobino@gsi-net.com</a> / <a href="mailto:jcvoss@gsi-net.com">jcvoss@gsi-net.com</a>	<b>REQUESTED ANALYSES</b>
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LABORATORY: Vista Analytical Laboratory Please check box or fill in blank as needed.

TURNAROUND TIME:

SAME DAY     24 HR     48 HR  
 72 HR     5 DAYS     STANDARD

SPECIAL INSTRUCTIONS: \*List of 23 analytes using US EPA Method 537, compliant with DoD Table B-15 of QSM, dated 2017, version 5.1 or later

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PFAS 537*	HOLD
		DATE	TIME							
	62-5-1-50-3	3/1/22	0800	S	1	1			X	
	62-9-1-6	↓	0915		1	1			X	
	62-9-3-6	↓	1100		1	1			X	
	62-2-3-6	↓	1315		1	1			X	
	62-2-1-6	↓	1355		1	1			X	
	62-2-2-6	3/2/22	0820		1	1			X	
	62-2-4-6	↓	0855		1	1			X	
	68-12-2-3	↓	1027		1	1			X	
	68-12-2-6	↓	1040		1	1			X	
	68-12-1-3	↓	1130		1	1			X	
	68-12-1-6	↓	1140	↓	1	1			X	

Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>Justin Encino</u>	Date: <u>3/2/22</u>	Time: <u>1540</u>
Relinquished by: (Signature)	Received by: (Signature)	Date: <u>03/03/22</u>	Time: <u>0911</u>
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

# Sample Log-In Checklist

 Page # 1 of 1

 Vista Work Order #: 03/04/22  
2202027 ~~2203027~~ TAT Std.

<b>Samples Arrival:</b>	<b>Date/Time:</b> 03/03/22 0911	<b>Initials:</b> (P)	<b>Location:</b> NR-2				
			<b>Shelf/Rack:</b> N/A				
<b>Delivered By:</b>	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
<b>Preservation:</b>	Ice	Blue Ice	Techni Ice	Dry Ice	None		
<b>Temp °C:</b> 3.4 (uncorrected)	<b>Probe used:</b> Y / N		<b>Thermometer ID:</b> DT-3				
<b>Temp °C:</b> 3.4 (corrected)							

	YES	NO	NA		
Shipping Container(s) Intact?	✓				
Shipping Custody Seals Intact?	✓				
Airbill <u>—</u> Trk # <u>2704 3038 0580</u>	✓				
Shipping Documentation Present?	✓				
Shipping Container	Vista	Client	Retain	Return	Dispose
Chain of Custody / Sample Documentation Present?	✓				
Chain of Custody / Sample Documentation Complete?	✓				
Holding Time Acceptable?	✓				

<b>Logged In:</b>	<b>Date/Time:</b> 03/04/22 0911	<b>Initials:</b> (P)	<b>Location:</b> NR-2
			<b>Shelf/Rack:</b> A-3
COC Anomaly/Sample Acceptance Form completed?			<u>—</u>

Comments:

# CoC/Label Reconciliation Report WO# 2203027

LabNumber	CoC Sample ID	Sample Alias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2203027-01	A 62-5-1-SO-3		01-Mar-22 08:00	HDPE Jar, 6 oz	Solid	
2203027-02	A 62-9-1-6		01-Mar-22 09:15	HDPE Jar, 6 oz	Solid	
2203027-03	A 62-9-3-6		01-Mar-22 11:00	HDPE Jar, 6 oz	Solid	
2203027-04	A 62-2-3-6		01-Mar-22 13:15	HDPE Jar, 6 oz	Solid	
2203027-05	A 62-2-1-6		01-Mar-22 13:55	HDPE Jar, 6 oz	Solid	
2203027-06	A 62-2-2-6		02-Mar-22 08:20	HDPE Jar, 6 oz	Solid	
2203027-07	A 62-2-4-6		02-Mar-22 08:55	HDPE Jar, 6 oz	Solid	
2203027-08	A 68-12-2-3		02-Mar-22 10:27	HDPE Jar, 6 oz	Solid	
2203027-09	A 68-12-2-6		02-Mar-22 10:40	HDPE Jar, 6 oz	Solid	
2203027-10	A 68-12-1-3		02-Mar-22 11:30	HDPE Jar, 6 oz	Solid	
2203027-11	A 68-12-1-6		02-Mar-22 11:40	HDPE Jar, 6 oz	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.  
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?		✓	✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		

Comments:

Preservation Documented: Na2S2O3    Trizma    NH4CH3CO2    None  
ALL    Other

Verified by/Date: [Signature] 03/04/22

April 14, 2022

**Vista Work Order No. 2203048**

Mr. Vincent Robino  
GSI Environmental Inc.  
19200 Von Karman Avenue  
Irvine, CA 92612

Dear Mr. Robino,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on March 05, 2022 under your Project Name 'Ontario Airport / 5925'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at [jfox@vista-analytical.com](mailto:jfox@vista-analytical.com).

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox  
Laboratory Director



*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.*

## Vista Work Order No. 2203048

### Case Narrative

#### Sample Condition on Receipt:

Ten soil samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements.

#### Analytical Notes:

##### PFAS Isotope Dilution/LC-MSMS Method Compliant with Table B-15 of DoD QSM 5.3 (Solid)

The samples were extracted and analyzed for a selected list of PFAS using Isotope Dilution and LC-MS/MS compliant with Table B-15 of DoD QSM 5.3. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

#### Holding Times

The samples were extracted and analyzed within the hold times.

#### Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limits (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

#### QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
B22C178-BLK1	B22C178-BLK1	PFAS Isotope Dilution Method	13C8-PFOA	H	46.0
B22C178-BLK1	B22C178-BLK1	PFAS Isotope Dilution Method	d5-EtFOSAA	H	48.1
B22C178-BLK1	B22C178-BLK1	PFAS Isotope Dilution Method	13C2-PFDoA	H	45.7

H = Recovery was outside laboratory acceptance criteria.

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# Sample Inventory Report



<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
2203048-01	61W-1-1-3	04-Mar-22 08:35	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-02	61W-1-1-6	04-Mar-22 08:45	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-03	61W-1-2-3	04-Mar-22 09:15	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-04	61W-1-2-6	04-Mar-22 09:25	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-05	61W-1-3-3	04-Mar-22 10:20	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-06	61W-1-3-6	04-Mar-22 10:30	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-07	61W-1-4-3	04-Mar-22 10:50	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-08	61W-1-4-6	04-Mar-22 11:00	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-09	61W-1-5-3	04-Mar-22 11:35	05-Mar-22 09:15	HDPE Jar, 6 oz
2203048-10	61W-1-5-6	04-Mar-22 11:40	05-Mar-22 09:15	HDPE Jar, 6 oz

## **ANALYTICAL RESULTS**



**Sample ID: Method Blank**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	B22C178-BLK1	Column:	BEH C18
Project:	Ontario Airport / 5925						

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.230	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFPeA	2706-90-3	ND	0.184	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFBS	375-73-5	ND	0.153	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
4:2 FTS	757124-72-4	ND	0.322	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFHxA	307-24-4	ND	0.160	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFPeS	2706-91-4	ND	0.150	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFHpA	375-85-9	ND	0.243	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFHxS	355-46-4	ND	0.154	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
6:2 FTS	27619-97-2	ND	0.259	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFOA	335-67-1	ND	0.135	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFHpS	375-92-8	ND	0.258	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFNA	375-95-1	ND	0.186	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFOSA	754-91-6	ND	0.286	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFOS	1763-23-1	ND	0.324	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFDA	335-76-2	ND	0.221	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
8:2 FTS	39108-34-4	ND	0.294	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
MeFOSAA	2355-31-9	ND	0.202	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
EtFOSAA	2991-50-6	ND	0.190	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFUnA	2058-94-8	ND	0.253	0.500		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFDS	335-77-3	ND	0.121	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFDoA	307-55-1	ND	0.228	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFTTrDA	72629-94-8	ND	0.203	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
PFTeDA	376-06-7	ND	0.214	0.250		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	80.5	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C3-PFPeA	IS	83.2	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C3-PFBS	IS	83.8	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-4:2 FTS	IS	95.2	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-PFHxA	IS	90.6	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C4-PFHpA	IS	82.3	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C3-PFHxS	IS	85.8	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-6:2 FTS	IS	90.2	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C5-PFNA	IS	67.7	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C8-PFOSA	IS	46.0	50 - 150	H	B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-PFOA	IS	87.1	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C8-PFOS	IS	90.5	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-PFDA	IS	68.3	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1
13C2-8:2 FTS	IS	81.7	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1

Sample ID: Method Blank				PFAS Isotope Dilution Method						
Client Data				Laboratory Data						
Name:	GSI Environmental Inc.	Matrix:	Solid	Lab Sample:	B22C178-BLK1	Column:	BEH C18			
Project:	Ontario Airport / 5925									
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
d3-MeFOSAA	IS	53.0	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1	
13C2-PFUnA	IS	54.0	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1	
d5-EtFOSAA	IS	48.1	50 - 150	H	B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1	
13C2-PFDoA	IS	45.7	50 - 150	H	B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1	
13C2-PFTeDA	IS	53.1	50 - 150		B22C178	28-Mar-22	2.00 g	01-Apr-22 17:39	1	

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: OPR**

**PFAS Isotope Dilution Method**

Client Data					Laboratory Data						
Name:	GSI Environmental Inc.	Matrix:	Solid		Lab Sample:	B22C178-BS1	Column:	BEH C18			
Project:	Ontario Airport / 5925										

Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	4.74	5.00	94.9	71 - 135		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFPeA	2706-90-3	4.59	5.00	91.8	69 - 132		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFBS	375-73-5	4.40	5.00	88.0	72 - 128		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
4:2 FTS	757124-72-4	4.62	5.00	92.5	62 - 145		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFHxA	307-24-4	4.62	5.00	92.5	70 - 132		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFPeS	2706-91-4	4.24	5.00	84.8	73 - 123		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFHpA	375-85-9	4.92	5.00	98.5	71 - 131		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFHxS	355-46-4	4.54	5.00	90.7	67 - 130		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
6:2 FTS	27619-97-2	4.29	5.00	85.8	64 - 140		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFOA	335-67-1	4.67	5.00	93.4	69 - 133		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFHpS	375-92-8	4.49	5.00	89.8	70 - 132		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFNA	375-95-1	4.36	5.00	87.2	72 - 129		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFOSA	754-91-6	4.43	5.00	88.7	67 - 137		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFOS	1763-23-1	4.00	5.00	79.9	68 - 136		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFDA	335-76-2	4.31	5.00	86.2	69 - 133		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
8:2 FTS	39108-34-4	4.66	5.00	93.2	65 - 137		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
MeFOSAA	2355-31-9	4.33	5.00	86.6	63 - 144		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
EtFOSAA	2991-50-6	4.64	5.00	92.8	61 - 139		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFUnA	2058-94-8	4.99	5.00	99.8	64 - 136		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFDS	335-77-3	3.73	5.00	74.5	59 - 134		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFDoA	307-55-1	5.53	5.00	111	69 - 135		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFTrDA	72629-94-8	5.07	5.00	101	66 - 139		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
PFTeDA	376-06-7	4.59	5.00	91.8	69 - 133		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.5	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C3-PFPeA	IS	92.0	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C3-PFBS	IS	101	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-4:2 FTS	IS	89.1	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFHxA	IS	93.1	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C4-PFHpA	IS	90.7	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C3-PFHxS	IS	97.4	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-6:2 FTS	IS	95.5	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C5-PFNA	IS	84.4	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C8-PFOSA	IS	54.2	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFOA	IS	83.0	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1

**Sample ID: OPR**
**PFAS Isotope Dilution Method**
**Client Data**

 Name: GSI Environmental Inc.  
 Project: Ontario Airport / 5925

Matrix: Solid

**Laboratory Data**

Lab Sample: B22C178-BS1      Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C8-PFOS	IS	101	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFDA	IS	78.4	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-8:2 FTS	IS	87.8	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
d3-MeFOSAA	IS	65.8	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFUnA	IS	63.8	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
d5-EtFOSAA	IS	58.4	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFDoA	IS	55.6	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1
13C2-PFTeDA	IS	63.3	50 - 150		B22C178	28-Mar-22	2.00 g	31-Mar-22 21:47	1

**Sample ID: 61W-1-1-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-01	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 08:35	Date Received:	05-Mar-22 09:15		
				% Solids:	97.6		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.458	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFPeA	2706-90-3	ND	0.366	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFBS	375-73-5	ND	0.305	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
4:2 FTS	757124-72-4	ND	0.641	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFHxA	307-24-4	ND	0.318	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFPeS	2706-91-4	ND	0.299	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFHpA	375-85-9	ND	0.484	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFHxS	355-46-4	ND	0.307	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
6:2 FTS	27619-97-2	ND	0.515	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFOA	335-67-1	ND	0.269	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFHpS	375-92-8	ND	0.513	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFNA	375-95-1	ND	0.370	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFOSA	754-91-6	ND	0.569	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFOS	1763-23-1	ND	0.645	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFDA	335-76-2	ND	0.440	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
8:2 FTS	39108-34-4	ND	0.585	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
MeFOSAA	2355-31-9	ND	0.402	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
EtFOSAA	2991-50-6	ND	0.378	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFUnA	2058-94-8	ND	0.504	0.995		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFDS	335-77-3	ND	0.241	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFDoA	307-55-1	ND	0.454	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFTTrDA	72629-94-8	ND	0.404	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
PFTeDA	376-06-7	ND	0.426	0.498		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	88.5	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C3-PFPeA	IS	85.3	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C3-PFBS	IS	96.9	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-4:2 FTS	IS	81.7	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFHxA	IS	90.3	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C4-PFHpA	IS	85.9	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C3-PFHxS	IS	89.9	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-6:2 FTS	IS	93.8	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C5-PFNA	IS	81.4	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C8-PFOSA	IS	53.5	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFOA	IS	85.6	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C8-PFOS	IS	90.5	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFDA	IS	64.9	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1

**Sample ID: 61W-1-1-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-01	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 08:35	Date Received:	05-Mar-22 09:15		
				% Solids:	97.6		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	72.2	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
d3-MeFOSAA	IS	72.1	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFUnA	IS	68.7	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
d5-EtFOSAA	IS	72.1	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFDoA	IS	61.0	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1
13C2-PFTeDA	IS	69.0	50 - 150		B22C178	28-Mar-22	1.03 g	31-Mar-22 22:59	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 61W-1-1-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-02	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 08:45	Date Received:	05-Mar-22 09:15		
				% Solids:	93.8		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.454	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFPeA	2706-90-3	ND	0.363	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFBS	375-73-5	ND	0.302	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
4:2 FTS	757124-72-4	ND	0.635	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFHxA	307-24-4	ND	0.316	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFPeS	2706-91-4	ND	0.296	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFHpA	375-85-9	ND	0.480	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFHxS	355-46-4	ND	0.304	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
6:2 FTS	27619-97-2	ND	0.511	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFOA	335-67-1	ND	0.266	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFHpS	375-92-8	ND	0.509	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFNA	375-95-1	ND	0.367	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFOSA	754-91-6	ND	0.564	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFOS	1763-23-1	ND	0.639	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFDA	335-76-2	ND	0.436	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
8:2 FTS	39108-34-4	ND	0.580	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
MeFOSAA	2355-31-9	ND	0.399	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
EtFOSAA	2991-50-6	ND	0.375	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFUnA	2058-94-8	ND	0.499	0.987		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFDS	335-77-3	ND	0.239	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFDoA	307-55-1	ND	0.450	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFTTrDA	72629-94-8	ND	0.401	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
PFTeDA	376-06-7	ND	0.422	0.493		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	87.9	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C3-PFPeA	IS	90.5	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C3-PFBS	IS	102	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-4:2 FTS	IS	82.7	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFHxA	IS	88.8	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C4-PFHpA	IS	92.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C3-PFHxS	IS	87.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-6:2 FTS	IS	98.7	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C5-PFNA	IS	74.4	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C8-PFOSA	IS	56.7	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFOA	IS	87.3	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C8-PFOS	IS	98.9	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFDA	IS	67.6	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1

**Sample ID: 61W-1-1-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-02	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 08:45	Date Received:	05-Mar-22 09:15		
				% Solids:	93.8		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	86.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
d3-MeFOSAA	IS	72.1	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFUnA	IS	71.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
d5-EtFOSAA	IS	68.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFDoA	IS	72.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1
13C2-PFTeDA	IS	68.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:10	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.



**Sample ID: 61W-1-2-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-03	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 09:15	Date Received:	05-Mar-22 09:15		
				% Solids:	96.1		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.452	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFPeA	2706-90-3	ND	0.361	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFBS	375-73-5	ND	0.301	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
4:2 FTS	757124-72-4	ND	0.632	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFHxA	307-24-4	ND	0.314	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFPeS	2706-91-4	ND	0.295	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFHpA	375-85-9	ND	0.477	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFHxS	355-46-4	ND	0.302	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
6:2 FTS	27619-97-2	ND	0.509	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFOA	335-67-1	ND	0.265	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFHpS	375-92-8	ND	0.507	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFNA	375-95-1	ND	0.365	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFOSA	754-91-6	ND	0.562	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFOS	1763-23-1	ND	0.636	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFDA	335-76-2	ND	0.434	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
8:2 FTS	39108-34-4	ND	0.577	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
MeFOSAA	2355-31-9	ND	0.397	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
EtFOSAA	2991-50-6	ND	0.373	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFUnA	2058-94-8	ND	0.497	0.982		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFDS	335-77-3	ND	0.238	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFDoA	307-55-1	ND	0.448	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFTTrDA	72629-94-8	ND	0.399	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
PFTeDA	376-06-7	ND	0.420	0.491		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	88.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C3-PFPeA	IS	88.3	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C3-PFBS	IS	96.6	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-4:2 FTS	IS	94.0	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFHxA	IS	83.5	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C4-PFHpA	IS	84.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C3-PFHxS	IS	90.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-6:2 FTS	IS	88.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C5-PFNA	IS	87.8	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C8-PFOSA	IS	66.6	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFOA	IS	88.0	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C8-PFOS	IS	96.2	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFDA	IS	75.7	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1

**Sample ID: 61W-1-2-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-03	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 09:15	Date Received:	05-Mar-22 09:15		
				% Solids:	96.1		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	85.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
d3-MeFOSAA	IS	74.8	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFUnA	IS	70.9	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
d5-EtFOSAA	IS	69.8	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFDoA	IS	68.7	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1
13C2-PFTeDA	IS	75.4	50 - 150		B22C178	28-Mar-22	1.06 g	31-Mar-22 23:20	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 61W-1-2-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-04	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 09:25	Date Received:	05-Mar-22 09:15		
				% Solids:	93.4		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.456	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFPeA	2706-90-3	ND	0.365	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFBS	375-73-5	ND	0.303	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
4:2 FTS	757124-72-4	ND	0.638	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFHxA	307-24-4	ND	0.317	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFPeS	2706-91-4	ND	0.297	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFHpA	375-85-9	ND	0.482	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFHxS	355-46-4	ND	0.305	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
6:2 FTS	27619-97-2	ND	0.513	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFOA	335-67-1	ND	0.268	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFHpS	375-92-8	ND	0.512	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFNA	375-95-1	ND	0.369	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFOSA	754-91-6	ND	0.567	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFOS	1763-23-1	ND	0.642	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFDA	335-76-2	ND	0.438	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
8:2 FTS	39108-34-4	ND	0.583	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
MeFOSAA	2355-31-9	ND	0.400	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
EtFOSAA	2991-50-6	ND	0.377	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFUnA	2058-94-8	ND	0.502	0.991		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFDS	335-77-3	ND	0.240	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFDoA	307-55-1	ND	0.452	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFTTrDA	72629-94-8	ND	0.402	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
PFTeDA	376-06-7	ND	0.424	0.496		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	88.6	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C3-PFPeA	IS	89.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C3-PFBS	IS	95.7	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-4:2 FTS	IS	82.5	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFHxA	IS	89.4	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C4-PFHpA	IS	90.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C3-PFHxS	IS	91.5	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-6:2 FTS	IS	87.6	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C5-PFNA	IS	72.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C8-PFOSA	IS	56.9	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFOA	IS	81.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C8-PFOS	IS	93.4	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFDA	IS	64.2	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1

**Sample ID: 61W-1-2-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-04	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 09:25	Date Received:	05-Mar-22 09:15		
				% Solids:	93.4		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	82.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
d3-MeFOSAA	IS	72.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFUnA	IS	70.0	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
d5-EtFOSAA	IS	69.1	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFDoA	IS	69.6	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1
13C2-PFTeDA	IS	70.5	50 - 150		B22C178	28-Mar-22	1.08 g	31-Mar-22 23:30	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 61W-1-3-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-05	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 10:20	Date Received:	05-Mar-22 09:15		
				% Solids:	96.1		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.447	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFPeA	2706-90-3	ND	0.358	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFBS	375-73-5	ND	0.297	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
4:2 FTS	757124-72-4	ND	0.626	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFHxA	307-24-4	ND	0.311	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFPeS	2706-91-4	ND	0.292	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFHpA	375-85-9	ND	0.472	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFHxS	355-46-4	ND	0.299	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
6:2 FTS	27619-97-2	ND	0.504	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFOA	335-67-1	ND	0.262	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFHpS	375-92-8	ND	0.502	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFNA	375-95-1	ND	0.362	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFOSA	754-91-6	ND	0.556	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFOS	1763-23-1	ND	0.630	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFDA	335-76-2	ND	0.430	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
8:2 FTS	39108-34-4	ND	0.572	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
MeFOSAA	2355-31-9	ND	0.393	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
EtFOSAA	2991-50-6	ND	0.369	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFUnA	2058-94-8	ND	0.492	0.972		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFDS	335-77-3	ND	0.235	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFDoA	307-55-1	ND	0.443	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFTTrDA	72629-94-8	ND	0.395	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
PFTeDA	376-06-7	ND	0.416	0.486		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	84.7	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C3-PFPeA	IS	85.1	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C3-PFBS	IS	84.2	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-4:2 FTS	IS	85.2	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFHxA	IS	82.6	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C4-PFHpA	IS	86.3	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C3-PFHxS	IS	91.3	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-6:2 FTS	IS	85.9	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C5-PFNA	IS	74.9	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C8-PFOSA	IS	65.8	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFOA	IS	79.8	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C8-PFOS	IS	94.1	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFDA	IS	73.3	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1

**Sample ID: 61W-1-3-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-05	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 10:20	Date Received:	05-Mar-22 09:15		
				% Solids:	96.1		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	85.3	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
d3-MeFOSAA	IS	66.5	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFUnA	IS	76.0	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
d5-EtFOSAA	IS	68.8	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFDoA	IS	65.4	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1
13C2-PFTeDA	IS	71.5	50 - 150		B22C178	28-Mar-22	1.07 g	31-Mar-22 23:41	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 61W-1-3-6**

**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-06	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 10:30	Date Received:	05-Mar-22 09:15		
				% Solids:	94.0		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.445	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFPeA	2706-90-3	ND	0.356	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFBS	375-73-5	ND	0.296	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
4:2 FTS	757124-72-4	ND	0.623	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFHxA	307-24-4	ND	0.310	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFPeS	2706-91-4	ND	0.290	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFHpA	375-85-9	ND	0.470	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFHxS	355-46-4	ND	0.298	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
6:2 FTS	27619-97-2	ND	0.501	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFOA	335-67-1	ND	0.261	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFHpS	375-92-8	ND	0.499	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFNA	375-95-1	ND	0.360	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFOSA	754-91-6	ND	0.553	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFOS	1763-23-1	ND	0.627	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFDA	335-76-2	ND	0.428	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
8:2 FTS	39108-34-4	ND	0.569	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
MeFOSAA	2355-31-9	ND	0.391	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
EtFOSAA	2991-50-6	ND	0.368	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFUnA	2058-94-8	ND	0.489	0.967		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFDS	335-77-3	ND	0.234	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFDoA	307-55-1	ND	0.441	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFTTrDA	72629-94-8	ND	0.393	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
PFTeDA	376-06-7	ND	0.414	0.484		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	85.5	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C3-PFPeA	IS	87.4	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C3-PFBS	IS	94.7	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-4:2 FTS	IS	90.3	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFHxA	IS	85.0	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C4-PFHpA	IS	85.4	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C3-PFHxS	IS	94.7	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-6:2 FTS	IS	84.6	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C5-PFNA	IS	78.2	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C8-PFOSA	IS	61.0	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFOA	IS	82.1	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C8-PFOS	IS	83.8	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFDA	IS	70.3	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1

**Sample ID: 61W-1-3-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-06	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 10:30	Date Received:	05-Mar-22 09:15		
				% Solids:	94.0		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	86.2	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
d3-MeFOSAA	IS	74.7	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFUnA	IS	70.9	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
d5-EtFOSAA	IS	74.9	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFDoA	IS	65.3	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1
13C2-PFTeDA	IS	69.1	50 - 150		B22C178	28-Mar-22	1.10 g	31-Mar-22 23:51	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.



**Sample ID: 61W-1-4-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-07	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 10:50	Date Received:	05-Mar-22 09:15		
				% Solids:	96.0		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.456	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFPeA	2706-90-3	ND	0.365	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFBS	375-73-5	ND	0.304	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
4:2 FTS	757124-72-4	ND	0.639	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFHxA	307-24-4	ND	0.317	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFPeS	2706-91-4	ND	0.298	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFHpA	375-85-9	ND	0.482	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFHxS	355-46-4	ND	0.306	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
6:2 FTS	27619-97-2	ND	0.514	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFOA	335-67-1	ND	0.268	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFHpS	375-92-8	ND	0.512	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFNA	375-95-1	ND	0.369	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFOSA	754-91-6	ND	0.567	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFOS	1763-23-1	ND	0.643	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFDA	335-76-2	ND	0.438	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
8:2 FTS	39108-34-4	ND	0.583	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
MeFOSAA	2355-31-9	ND	0.401	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
EtFOSAA	2991-50-6	ND	0.377	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFUnA	2058-94-8	ND	0.502	0.992		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFDS	335-77-3	ND	0.240	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFDoA	307-55-1	ND	0.452	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFTTrDA	72629-94-8	ND	0.403	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
PFTeDA	376-06-7	ND	0.425	0.496		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	82.8	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C3-PFPeA	IS	84.1	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C3-PFBS	IS	92.1	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-4:2 FTS	IS	88.0	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFHxA	IS	85.8	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C4-PFHpA	IS	88.0	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C3-PFHxS	IS	88.2	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-6:2 FTS	IS	79.0	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C5-PFNA	IS	80.8	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C8-PFOSA	IS	60.3	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFOA	IS	87.0	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C8-PFOS	IS	88.0	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFDA	IS	74.3	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1

**Sample ID: 61W-1-4-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-07	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 10:50	Date Received:	05-Mar-22 09:15		
				% Solids:	96.0		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	83.3	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
d3-MeFOSAA	IS	69.7	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFUnA	IS	75.2	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
d5-EtFOSAA	IS	67.4	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFDoA	IS	68.4	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1
13C2-PFTeDA	IS	72.5	50 - 150		B22C178	28-Mar-22	1.05 g	01-Apr-22 00:02	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 61W-1-4-6**

**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-08	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 11:00	Date Received:	05-Mar-22 09:15		
				% Solids:	90.5		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.442	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFPeA	2706-90-3	ND	0.354	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFBS	375-73-5	ND	0.294	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
4:2 FTS	757124-72-4	ND	0.619	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFHxA	307-24-4	ND	0.307	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFPeS	2706-91-4	ND	0.288	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFHpA	375-85-9	ND	0.467	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFHxS	355-46-4	ND	0.296	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
6:2 FTS	27619-97-2	ND	0.498	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFOA	335-67-1	ND	0.259	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFHpS	375-92-8	ND	0.496	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFNA	375-95-1	ND	0.357	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFOSA	754-91-6	ND	0.550	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFOS	1763-23-1	ND	0.623	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFDA	335-76-2	ND	0.425	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
8:2 FTS	39108-34-4	ND	0.565	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
MeFOSAA	2355-31-9	ND	0.388	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
EtFOSAA	2991-50-6	ND	0.365	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFUnA	2058-94-8	ND	0.486	0.961		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFDS	335-77-3	ND	0.233	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFDoA	307-55-1	ND	0.438	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFTTrDA	72629-94-8	ND	0.390	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
PFTeDA	376-06-7	ND	0.411	0.480		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	84.5	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C3-PFPeA	IS	83.9	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C3-PFBS	IS	90.8	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-4:2 FTS	IS	82.6	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFHxA	IS	86.6	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C4-PFHpA	IS	84.3	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C3-PFHxS	IS	90.7	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-6:2 FTS	IS	88.4	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C5-PFNA	IS	70.2	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C8-PFOSA	IS	54.7	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFOA	IS	82.3	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C8-PFOS	IS	95.9	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFDA	IS	65.7	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1

**Sample ID: 61W-1-4-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-08	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 11:00	Date Received:	05-Mar-22 09:15		
				% Solids:	90.5		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	78.1	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
d3-MeFOSAA	IS	73.1	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFUnA	IS	64.7	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
d5-EtFOSAA	IS	66.6	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFDoA	IS	64.3	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1
13C2-PFTeDA	IS	67.3	50 - 150		B22C178	28-Mar-22	1.15 g	01-Apr-22 00:12	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 61W-1-5-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-09	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 11:35	Date Received:	05-Mar-22 09:15		
				% Solids:	96.2		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.460	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFPeA	2706-90-3	ND	0.368	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFBS	375-73-5	ND	0.306	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
4:2 FTS	757124-72-4	ND	0.644	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFHxA	307-24-4	ND	0.320	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFPeS	2706-91-4	ND	0.300	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFHpA	375-85-9	ND	0.486	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFHxS	355-46-4	ND	0.308	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
6:2 FTS	27619-97-2	ND	0.518	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFOA	335-67-1	ND	0.270	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFHpS	375-92-8	ND	0.516	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFNA	375-95-1	ND	0.372	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFOSA	754-91-6	ND	0.572	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFOS	1763-23-1	ND	0.648	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFDA	335-76-2	ND	0.442	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
8:2 FTS	39108-34-4	ND	0.588	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
MeFOSAA	2355-31-9	ND	0.404	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
EtFOSAA	2991-50-6	ND	0.380	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFUnA	2058-94-8	ND	0.506	0.999		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFDS	335-77-3	ND	0.242	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFDoA	307-55-1	ND	0.456	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFTTrDA	72629-94-8	ND	0.406	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
PFTeDA	376-06-7	ND	0.428	0.500		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	83.7	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C3-PFPeA	IS	85.6	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C3-PFBS	IS	92.0	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-4:2 FTS	IS	95.4	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFHxA	IS	84.7	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C4-PFHpA	IS	86.8	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C3-PFHxS	IS	88.8	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-6:2 FTS	IS	88.3	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C5-PFNA	IS	82.0	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C8-PFOSA	IS	64.8	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFOA	IS	85.0	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C8-PFOS	IS	90.2	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFDA	IS	72.1	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1

**Sample ID: 61W-1-5-3**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-09	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 11:35	Date Received:	05-Mar-22 09:15		
				% Solids:	96.2		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	79.4	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
d3-MeFOSAA	IS	75.0	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFUnA	IS	72.6	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
d5-EtFOSAA	IS	69.3	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFDoA	IS	70.8	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1
13C2-PFTeDA	IS	68.4	50 - 150		B22C178	28-Mar-22	1.04 g	01-Apr-22 00:22	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

**Sample ID: 61W-1-5-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-10	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 11:40	Date Received:	05-Mar-22 09:15		
				% Solids:	91.7		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.448	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFPeA	2706-90-3	ND	0.358	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFBS	375-73-5	ND	0.298	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
4:2 FTS	757124-72-4	ND	0.627	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFHxA	307-24-4	ND	0.311	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFPeS	2706-91-4	ND	0.292	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFHpA	375-85-9	ND	0.473	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFHxS	355-46-4	ND	0.300	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
6:2 FTS	27619-97-2	ND	0.504	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFOA	335-67-1	ND	0.263	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFHpS	375-92-8	ND	0.502	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFNA	375-95-1	ND	0.362	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFOSA	754-91-6	ND	0.557	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFOS	1763-23-1	ND	0.631	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFDA	335-76-2	ND	0.430	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
8:2 FTS	39108-34-4	ND	0.572	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
MeFOSAA	2355-31-9	ND	0.393	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
EtFOSAA	2991-50-6	ND	0.370	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFUnA	2058-94-8	ND	0.493	0.973		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFDS	335-77-3	ND	0.236	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFDoA	307-55-1	ND	0.444	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFTTrDA	72629-94-8	ND	0.395	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
PFTeDA	376-06-7	ND	0.417	0.487		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	83.8	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C3-PFPeA	IS	81.9	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C3-PFBS	IS	95.6	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-4:2 FTS	IS	83.0	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFHxA	IS	87.4	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C4-PFHpA	IS	87.2	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C3-PFHxS	IS	98.8	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-6:2 FTS	IS	92.2	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C5-PFNA	IS	71.8	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C8-PFOSA	IS	50.1	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFOA	IS	77.9	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C8-PFOS	IS	89.2	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFDA	IS	66.3	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1

**Sample ID: 61W-1-5-6**
**PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	GSI Environmental Inc.	Matrix:	Soil	Lab Sample:	2203048-10	Column:	BEH C18
Project:	Ontario Airport / 5925	Date Collected:	04-Mar-22 11:40	Date Received:	05-Mar-22 09:15		
				% Solids:	91.7		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-8:2 FTS	IS	83.1	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
d3-MeFOSAA	IS	62.4	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFUnA	IS	67.3	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
d5-EtFOSAA	IS	65.7	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFDoA	IS	61.6	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1
13C2-PFTeDA	IS	63.4	50 - 150		B22C178	28-Mar-22	1.12 g	01-Apr-22 00:33	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.  
 The sample size is reported in wet weight.  
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.



## DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

### Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-26
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

*Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.*

## NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

2203048 3.0°C

<b>FROM:</b> GSI Environmental Inc. 19200 Von Karman Ave, Suite 800 Irvine, CA 92612 (949) 679-1070		<b>PROJECT NAME:</b> Ontario Airport	<b>PROJECT NO.:</b> 5925
<b>TEL:</b> (949) 679-1070		<b>PROJECT CONTACT:</b> Vinnie Robino / Josh Voss	<b>LAB CONTACT:</b> Jamie Fox
<b>E-MAIL:</b> vprobino@gsi-net.com / jcvoss@gsi-net.com		<b>GLOBAL ID:</b>	<b>SAMPLER(S): (PRINT)</b> JCV, JHN

**LABORATORY:** Vista Analytical Laboratory

**REQUESTED ANALYSES**  
Please check box or fill in blank as needed.

**TURNAROUND TIME:**

SAME DAY     24 HR     48 HR  
 72 HR     5 DAYS     STANDARD

**SPECIAL INSTRUCTIONS:** \*List of 23 analytes using US EPA Method 537, compliant with DoD Table B-15 of QSM, dated 2017, version 5.1 or later

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PFAS 537*	HOLD											
		DATE	TIME																		
	6LW-1-1-3	3/4/22	0835	SOIL	1	1			X												
	6LW-1-1-6		0845		1	1			X												
	6LW-1-2-3		0915		1	1			X												
	6LW-1-2-6		0925		1	1			X												
	6LW-1-3-3		1020		1	1			X												
	6LW-1-3-6		1030		1	1			X												
	6LW-1-4-3		1050		1	1			X												
	6LW-1-4-6		1100		1	1			X												
	6LW-1-5-3		1135		1	1			X												
	6LW-1-5-6		1140		1	1			X												

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>Justin Brisend</i>	Date: <u>3/4/22</u>	Time: <u>1545</u>
Relinquished by: (Signature)	Received by: (Signature)	Date: <u>03/05/22</u>	Time: <u>0915</u>
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

## Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2203040 TAT Std

Samples Arrival:	Date/Time		Initials:		Location: <u>WR-2</u>		
	<u>03/05/22 0915</u>		<u>(B)</u>		Shelf/Rack: <u>N/A</u>		
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice		<input type="checkbox"/> Blue Ice		<input type="checkbox"/> Techni Ice	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None
Temp °C: <u>3.6</u>	(uncorrected)		Probe used: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		Thermometer ID: <u>DT-3</u>		
Temp °C: <u>3.6</u>	(corrected)						

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill <u>      </u> Trk # <u>8102 8505 2930</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input type="checkbox"/> Vista	<input checked="" type="checkbox"/> Client	<input type="checkbox"/> Retain
	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Logged In:	Date/Time		Initials:		Location: <u>WR-2</u>		
	<u>03/05/22 1140</u>		<u>(B)</u>		Shelf/Rack: <u>A-3</u>		
COC Anomaly/Sample Acceptance Form completed?				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments:

# CoC/Label Reconciliation Report WO# 2203048

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2203048-01	A 61W-1-1-3	<input checked="" type="checkbox"/>	04-Mar-22 08:35	<input checked="" type="checkbox"/>	HDPE Jar, 6 oz	Solid
2203048-02	A 61W-1-1-6	<input checked="" type="checkbox"/>	04-Mar-22 08:45	<input checked="" type="checkbox"/>	HDPE Jar, 6 oz	Solid
2203048-03	A 61W-1-2-3	<input checked="" type="checkbox"/>	04-Mar-22 09:15	<input checked="" type="checkbox"/>	HDPE Jar, 6 oz	Solid
2203048-04	A 61W-1-2-6	<input checked="" type="checkbox"/>	04-Mar-22 09:25	<input checked="" type="checkbox"/>	HDPE Jar, 6 oz	Solid
2203048-05	A 61W-1-3-3	<input checked="" type="checkbox"/>	04-Mar-22 10:20	<input checked="" type="checkbox"/>	HDPE Jar, 6 oz	Solid
2203048-06	A 61W-1-3-6	<input checked="" type="checkbox"/>	04-Mar-22 10:30	<input checked="" type="checkbox"/>	HDPE Jar, 6 oz	Solid
2203048-07	A 61W-1-4-3	<input checked="" type="checkbox"/>	04-Mar-22 10:50	<input checked="" type="checkbox"/>	HDPE Jar, 6 oz	Solid
2203048-08	A 61W-1-4-6	<input checked="" type="checkbox"/>	04-Mar-22 11:00	<input checked="" type="checkbox"/>	HDPE Jar, 6 oz	Solid
2203048-09	A 61W-1-5-3	<input checked="" type="checkbox"/>	04-Mar-22 11:35	<input checked="" type="checkbox"/>	HDPE Jar, 6 oz	Solid
2203048-10	A 61W-1-5-6	<input checked="" type="checkbox"/>	04-Mar-22 11:40	<input checked="" type="checkbox"/>	HDPE Jar, 6 oz	Solid

Checkmarks indicate that information on the COC reconciled with the sample label.  
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	/		
Sample Custody Seals Intact?		/	/
Adequate Sample Volume?	/		
Container Type Appropriate for Analysis(es)	/		

Comments:

Preservation Documented: Na2S2O3    Trizma    NH4CH3CO2    None  
ALL    Other

Verified by/Date

03/05/22

**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT**  
Proposed 97-Acre Project Magellan Airport Cargo Distribution Center  
Ontario, California

**APPENDIX D**

Soil Vapor Analytical Laboratory Reports



02 May 2022

Vincent Robino  
GSI Environmental, Inc  
19200 Von Karman Ave Suite 800  
Irvine, CA 92612

H&P Project: GSI041822-SB1 Rev  
Client Project: 5925 / Ontario Airport



Dear Vincent Robino:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 4/18/2022 -4/21/2022 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,



Lisa Eminhizer  
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H&P is approved as an Environmental Testing Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency. Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: [www.handpmg.com/about/certifications](http://www.handpmg.com/about/certifications). Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

GSI Environmental, Inc  
19200 Von Karman Ave Suite 800  
Irvine, CA 92612

Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-6-5	E204039-01	Vapor	18-Apr-22	18-Apr-22
SV-6-15	E204039-02	Vapor	18-Apr-22	18-Apr-22
SV-4-5	E204039-03	Vapor	18-Apr-22	18-Apr-22
SV-4-15	E204039-04	Vapor	18-Apr-22	18-Apr-22
EB-2022-0418	E204039-05	Vapor	18-Apr-22	18-Apr-22
SV-1-5	E204039-06	Vapor	18-Apr-22	18-Apr-22
SV-1-15	E204039-07	Vapor	18-Apr-22	18-Apr-22
SV-1-15N	E204039-08	Vapor	18-Apr-22	18-Apr-22
SV-7-5	E204039-09	Vapor	18-Apr-22	18-Apr-22
SV-7-15	E204039-10	Vapor	18-Apr-22	18-Apr-22
SV-5-5	E204039-11	Vapor	18-Apr-22	18-Apr-22
SV-5-15	E204039-12	Vapor	18-Apr-22	18-Apr-22
SV-8-5	E204039-13	Vapor	18-Apr-22	18-Apr-22
SV-8-15	E204039-14	Vapor	18-Apr-22	18-Apr-22
SV-2-5	E204043-01	Vapor	19-Apr-22	19-Apr-22
SV-2-15	E204043-02	Vapor	19-Apr-22	19-Apr-22
61W-1-9-5	E204043-03	Vapor	19-Apr-22	19-Apr-22
61W-1-9-15	E204043-04	Vapor	19-Apr-22	19-Apr-22
61W-1-2-5	E204043-05	Vapor	19-Apr-22	19-Apr-22
61W-1-2-15	E204043-06	Vapor	19-Apr-22	19-Apr-22
61W-1-7-5	E204043-07	Vapor	19-Apr-22	19-Apr-22
61W-1-7-15	E204043-08	Vapor	19-Apr-22	19-Apr-22
61W-1-7-15N	E204043-09	Vapor	19-Apr-22	19-Apr-22
SV-14-5	E204043-10	Vapor	19-Apr-22	19-Apr-22
SV-14-15	E204043-11	Vapor	19-Apr-22	19-Apr-22
SV-15-5	E204043-12	Vapor	19-Apr-22	19-Apr-22
SV-15-15	E204043-13	Vapor	19-Apr-22	19-Apr-22
SV-9-15	E204051-01	Vapor	20-Apr-22	20-Apr-22

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02-May-22 07:29

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-9-5	E204051-02	Vapor	20-Apr-22	20-Apr-22
62-9-1-5	E204051-03	Vapor	20-Apr-22	20-Apr-22
62-9-1-5N	E204051-04	Vapor	20-Apr-22	20-Apr-22
62-9-1-15	E204051-05	Vapor	20-Apr-22	20-Apr-22
SV-3-15	E204051-06	Vapor	20-Apr-22	20-Apr-22
SV-3-5	E204051-07	Vapor	20-Apr-22	20-Apr-22
61C-8-6-SV10-15	E204051-08	Vapor	20-Apr-22	20-Apr-22
61C-8-6-SV10-5	E204051-09	Vapor	20-Apr-22	20-Apr-22
SV-11-15	E204051-10	Vapor	20-Apr-22	20-Apr-22
SV-11-5	E204051-11	Vapor	20-Apr-22	20-Apr-22
SV-12-15	E204051-12	Vapor	20-Apr-22	20-Apr-22
SV-12-5	E204051-13	Vapor	20-Apr-22	20-Apr-22
SV-13-15	E204051-14	Vapor	20-Apr-22	20-Apr-22
SV-13-5	E204051-15	Vapor	20-Apr-22	20-Apr-22
SV-16-15	E204054-01	Vapor	21-Apr-22	21-Apr-22
SV-16-5	E204054-02	Vapor	21-Apr-22	21-Apr-22
SV-17-15	E204054-03	Vapor	21-Apr-22	21-Apr-22
SV-17-5	E204054-04	Vapor	21-Apr-22	21-Apr-22
SV-18-15	E204054-05	Vapor	21-Apr-22	21-Apr-22
SV-18-5	E204054-06	Vapor	21-Apr-22	21-Apr-22
SV-19-15	E204054-07	Vapor	21-Apr-22	21-Apr-22
SV-19-5	E204054-08	Vapor	21-Apr-22	21-Apr-22
SV-19-5N	E204054-09	Vapor	21-Apr-22	21-Apr-22

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02-May-22 07:29

April 18, 2022 - Batch ED2181

The percent recoveries for 1,2,3-Trichlorobenzene and Bromoform fell below the method criteria in the continuing calibration verification (CCV). Any results for these analytes may be biased low.

April 19, 2022 - Batch ED21912

The percent recoveries for Hexachlorobutadiene and Bromoform fell below the method criteria in the CCV. Any results for these analytes may be biased low.

April 20, 2022 - Batch ED22010

The percent recoveries for Hexachlorobutadiene, m,p-Xylene, o-Xylene and 1,2,3-Trichlorobenzene fell below the method criteria in the CCV. Any results for these analytes may be biased low.

April 21, 2022 - Batch ED22101

The percent recoveries for Hexachlorobutadiene, 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene fell below the method criteria in the CCV. Any results for these analytes may be biased low.

May 2, 2022

This final report has been revised to correct the project name and number.

GSI Environmental, Inc  
19200 Von Karman Ave Suite 800  
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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**DETECTIONS SUMMARY**

Sample ID: **SV-6-5**

Laboratory ID: **E204039-01**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>Trichloroethene</b>	<b>62</b>	20	ug/m3	H&P 8260SV	

Sample ID: **SV-6-15**

Laboratory ID: **E204039-02**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>Trichloroethene</b>	<b>280</b>	20	ug/m3	H&P 8260SV	

Sample ID: **SV-4-5**

Laboratory ID: **E204039-03**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>1,1-Dichloroethene</b>	<b>130</b>	100	ug/m3	H&P 8260SV	
<b>Trichloroethene</b>	<b>490</b>	20	ug/m3	H&P 8260SV	

Sample ID: **SV-4-15**

Laboratory ID: **E204039-04**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>1,1-Dichloroethene</b>	<b>460</b>	100	ug/m3	H&P 8260SV	
<b>Carbon tetrachloride</b>	<b>29</b>	20	ug/m3	H&P 8260SV	
<b>Trichloroethene</b>	<b>1100</b>	20	ug/m3	H&P 8260SV	

Sample ID: **EB-2022-0418**

Laboratory ID: **E204039-05**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>No Detections Reported</b>					

Sample ID: **SV-1-5**

Laboratory ID: **E204039-06**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>1,1-Dichloroethene</b>	<b>460</b>	100	ug/m3	H&P 8260SV	
<b>Carbon tetrachloride</b>	<b>27</b>	20	ug/m3	H&P 8260SV	
<b>Trichloroethene</b>	<b>730</b>	20	ug/m3	H&P 8260SV	

Sample ID: **SV-1-15**

Laboratory ID: **E204039-07**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>1,1-Dichloroethene</b>	<b>1400</b>	100	ug/m3	H&P 8260SV	
<b>Carbon tetrachloride</b>	<b>54</b>	20	ug/m3	H&P 8260SV	

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Reported:  
02-May-22 07:29

Sample ID: **SV-1-15**

Laboratory ID: **E204039-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	1900	20	ug/m3	H&P 8260SV	

Sample ID: **SV-1-15N**

Laboratory ID: **E204039-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	1300	100	ug/m3	H&P 8260SV	
Carbon tetrachloride	60	20	ug/m3	H&P 8260SV	
Trichloroethene	1700	20	ug/m3	H&P 8260SV	

Sample ID: **SV-7-5**

Laboratory ID: **E204039-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-7-15**

Laboratory ID: **E204039-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	350	200	ug/m3	H&P 8260SV	

Sample ID: **SV-5-5**

Laboratory ID: **E204039-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-5-15**

Laboratory ID: **E204039-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-8-5**

Laboratory ID: **E204039-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-8-15**

Laboratory ID: **E204039-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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Project: GSI041822-SB1 Rev  
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Reported:  
02-May-22 07:29

Sample ID: SV-2-5

Laboratory ID: E204043-01

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-2-15

Laboratory ID: E204043-02

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	140	100	ug/m3	H&P 8260SV	
Trichloroethene	71	20	ug/m3	H&P 8260SV	

Sample ID: 61W-1-9-5

Laboratory ID: E204043-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	340	20	ug/m3	H&P 8260SV	

Sample ID: 61W-1-9-15

Laboratory ID: E204043-04

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon tetrachloride	25	20	ug/m3	H&P 8260SV	
Trichloroethene	1900	20	ug/m3	H&P 8260SV	

Sample ID: 61W-1-2-5

Laboratory ID: E204043-05

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	300	100	ug/m3	H&P 8260SV	
Carbon tetrachloride	35	20	ug/m3	H&P 8260SV	
Trichloroethene	7400	20	ug/m3	H&P 8260SV	

Sample ID: 61W-1-2-15

Laboratory ID: E204043-06

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	590	100	ug/m3	H&P 8260SV	
Chloroform	24	20	ug/m3	H&P 8260SV	
Trichloroethene	11000	20	ug/m3	H&P 8260SV	

Sample ID: 61W-1-7-5

Laboratory ID: E204043-07

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	650	100	ug/m3	H&P 8260SV	
Carbon tetrachloride	30	20	ug/m3	H&P 8260SV	
Trichloroethene	5000	20	ug/m3	H&P 8260SV	

GSI Environmental, Inc  
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Project: GSI041822-SB1 Rev  
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Reported:  
02-May-22 07:29

Sample ID: **61W-1-7-15**

Laboratory ID: **E204043-08**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>1,1-Dichloroethene</b>	<b>1500</b>	100	ug/m3	H&P 8260SV	
<b>Carbon tetrachloride</b>	<b>64</b>	20	ug/m3	H&P 8260SV	
<b>Trichloroethene</b>	<b>9800</b>	20	ug/m3	H&P 8260SV	
<b>Tetrachloroethene</b>	<b>32</b>	20	ug/m3	H&P 8260SV	

Sample ID: **61W-1-7-15N**

Laboratory ID: **E204043-09**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>1,1-Dichloroethene</b>	<b>1100</b>	100	ug/m3	H&P 8260SV	
<b>Carbon tetrachloride</b>	<b>46</b>	20	ug/m3	H&P 8260SV	
<b>Trichloroethene</b>	<b>7700</b>	20	ug/m3	H&P 8260SV	
<b>Tetrachloroethene</b>	<b>33</b>	20	ug/m3	H&P 8260SV	

Sample ID: **SV-14-5**

Laboratory ID: **E204043-10**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>Trichloroethene</b>	<b>59</b>	20	ug/m3	H&P 8260SV	

Sample ID: **SV-14-15**

Laboratory ID: **E204043-11**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>No Detections Reported</b>					

Sample ID: **SV-15-5**

Laboratory ID: **E204043-12**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>No Detections Reported</b>					

Sample ID: **SV-15-15**

Laboratory ID: **E204043-13**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>No Detections Reported</b>					

Sample ID: **SV-9-15**

Laboratory ID: **E204051-01**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>No Detections Reported</b>					



GSI Environmental, Inc 19200 Von Karman Ave Suite 800 Irvine, CA 92612	Project: GSI041822-SB1 Rev Project Number: 5925 / Ontario Airport Project Manager: Vincent Robino	Reported: 02-May-22 07:29
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Sample ID:	Laboratory ID:	Analyte	Result	Reporting Limit	Units	Method	Notes
SV-9-5	E204051-02	No Detections Reported					
62-9-1-5	E204051-03	No Detections Reported					
62-9-1-5N	E204051-04	No Detections Reported					
62-9-1-15	E204051-05	No Detections Reported					
SV-3-15	E204051-06	No Detections Reported					
SV-3-5	E204051-07	No Detections Reported					
61C-8-6-SV10-15	E204051-08	No Detections Reported					
61C-8-6-SV10-5	E204051-09	No Detections Reported					

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Reported:  
02-May-22 07:29

Sample ID: SV-11-15

Laboratory ID: E204051-10

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-11-5

Laboratory ID: E204051-11

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-12-15

Laboratory ID: E204051-12

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-12-5

Laboratory ID: E204051-13

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-13-15

Laboratory ID: E204051-14

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-13-5

Laboratory ID: E204051-15

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-16-15

Laboratory ID: E204054-01

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-16-5

Laboratory ID: E204054-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	390	200	ug/m3	H&P 8260SV	

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02-May-22 07:29

Sample ID: SV-17-15

Laboratory ID: E204054-03

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-17-5

Laboratory ID: E204054-04

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	200	200	ug/m3	H&P 8260SV	

Sample ID: SV-18-15

Laboratory ID: E204054-05

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	210	200	ug/m3	H&P 8260SV	

Sample ID: SV-18-5

Laboratory ID: E204054-06

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-19-15

Laboratory ID: E204054-07

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-19-5

Laboratory ID: E204054-08

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: SV-19-5N

Laboratory ID: E204054-09

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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Project: GSI041822-SB1 Rev  
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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-6-5 (E204039-01) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>62</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-6-5 (E204039-01) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.8 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.3 %		75-125	"	"	"	"	

GSI Environmental, Inc  
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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-6-15 (E204039-02) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>280</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-6-15 (E204039-02) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		109 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.7 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.2 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-4-5 (E204039-03) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	<b>130</b>	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>490</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-4-5 (E204039-03) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.5 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.9 %		75-125	"	"	"	"	

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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-4-15 (E204039-04) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	<b>460</b>	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Carbon tetrachloride</b>	<b>29</b>	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>1100</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-4-15 (E204039-04) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.7 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.1 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>EB-2022-0418 (E204039-05) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>EB-2022-0418 (E204039-05) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

107 %      75-125      "      "      "      "  
97.3 %      75-125      "      "      "      "  
88.4 %      75-125      "      "      "      "

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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-1-5 (E204039-06) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	<b>460</b>	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Carbon tetrachloride</b>	<b>27</b>	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>730</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-1-5 (E204039-06) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		115 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.0 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-1-15 (E204039-07) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	<b>1400</b>	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Carbon tetrachloride</b>	<b>54</b>	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>1900</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-1-15 (E204039-07) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		113 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93.8 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.1 %		75-125	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-1-15N (E204039-08) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	<b>1300</b>	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Carbon tetrachloride</b>	<b>60</b>	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>1700</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-1-15N (E204039-08) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<hr/>									
Surrogate: Dibromofluoromethane		113 %		75-125	"	"	"	"	
Surrogate: Toluene-d8		97.5 %		75-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.7 %		75-125	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-7-5 (E204039-09) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-7-5 (E204039-09) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		116 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.6 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.0 %		75-125	"	"	"	"	

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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-7-15 (E204039-10) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Toluene</b>	<b>350</b>	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-7-15 (E204039-10) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		111 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.8 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.7 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-5-5 (E204039-11) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-5-5 (E204039-11) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		113 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.7 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		76.7 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-5-15 (E204039-12) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-5-15 (E204039-12) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.2 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		82.4 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
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Project Manager: Vincent Robino

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-8-5 (E204039-13) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-8-5 (E204039-13) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		113 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		105 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.9 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-8-15 (E204039-14) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-8-15 (E204039-14) Vapor Sampled: 18-Apr-22 Received: 18-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21810	18-Apr-22	18-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<hr/>									
Surrogate: Dibromofluoromethane		113 %		75-125	"	"	"	"	
Surrogate: Toluene-d8		104 %		75-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-2-5 (E204043-01) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-2-5 (E204043-01) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		107 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93.1 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		84.2 %		75-125	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-2-15 (E204043-02) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	<b>140</b>	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>71</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-2-15 (E204043-02) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.7 %		75-125	"	"	"	"	

GSI Environmental, Inc  
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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-9-5 (E204043-03) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>340</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-9-5 (E204043-03) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		108 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.2 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.0 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-9-15 (E204043-04) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Carbon tetrachloride</b>	<b>25</b>	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>1900</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-9-15 (E204043-04) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		108 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.5 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		79.7 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-2-5 (E204043-05) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	<b>300</b>	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Carbon tetrachloride</b>	<b>35</b>	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>7400</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-2-5 (E204043-05) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94.3 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.6 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-2-15 (E204043-06) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	<b>590</b>	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
<b>Chloroform</b>	<b>24</b>	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>11000</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Project Manager: Vincent Robino

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-2-15 (E204043-06) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		101 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.2 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		76.5 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-7-5 (E204043-07) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	<b>650</b>	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Carbon tetrachloride</b>	<b>30</b>	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>5000</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-7-5 (E204043-07) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93.4 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		77.9 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-7-15 (E204043-08) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	<b>1500</b>	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Carbon tetrachloride</b>	<b>64</b>	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>9800</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>32</b>	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-7-15 (E204043-08) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		117 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.7 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.4 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-7-15N (E204043-09) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	<b>1100</b>	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Carbon tetrachloride</b>	<b>46</b>	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>7700</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>33</b>	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61W-1-7-15N (E204043-09) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96.5 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.8 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.6 %	75-125		"	"	"	"	

GSI Environmental, Inc  
19200 Von Karman Ave Suite 800  
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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-14-5 (E204043-10) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>59</b>	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-14-5 (E204043-10) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		111 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		82.2 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
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Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-14-15 (E204043-11) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-14-15 (E204043-11) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<hr/>									
Surrogate: Dibromofluoromethane		104 %		75-125	"	"	"	"	
Surrogate: Toluene-d8		95.6 %		75-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.2 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-15-5 (E204043-12) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-15-5 (E204043-12) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		115 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.1 %		75-125	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-15-15 (E204043-13) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-15-15 (E204043-13) Vapor Sampled: 19-Apr-22 Received: 19-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED21912	19-Apr-22	19-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.6 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.5 %		75-125	"	"	"	"	

GSI Environmental, Inc  
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Project: GSI041822-SB1 Rev  
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Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-9-15 (E204051-01) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-9-15 (E204051-01) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99.2 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93.4 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		78.2 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-9-5 (E204051-02) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-9-5 (E204051-02) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		121 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.0 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
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Project Manager: Vincent Robino

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>62-9-1-5 (E204051-03) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>62-9-1-5 (E204051-03) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.8 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.0 %		75-125	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>62-9-1-5N (E204051-04) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



GSI Environmental, Inc  
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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>62-9-1-5N (E204051-04) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		108 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.0 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.6 %		75-125	"	"	"	"	

GSI Environmental, Inc  
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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>62-9-1-15 (E204051-05) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>62-9-1-15 (E204051-05) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.1 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-3-15 (E204051-06) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-3-15 (E204051-06) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		115 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.4 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.3 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-3-5 (E204051-07) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-3-5 (E204051-07) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		105 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		90.6 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.3 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61C-8-6-SV10-15 (E204051-08) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61C-8-6-SV10-15 (E204051-08) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		108 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		90.0 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		77.4 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61C-8-6-SV10-5 (E204051-09) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>61C-8-6-SV10-5 (E204051-09) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	IS-01
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	IS-01
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	IS-01
n-Propylbenzene	ND	100	"	"	"	"	"	"	IS-01
Bromobenzene	ND	100	"	"	"	"	"	"	IS-01
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	IS-01
2-Chlorotoluene	ND	100	"	"	"	"	"	"	IS-01
4-Chlorotoluene	ND	100	"	"	"	"	"	"	IS-01
tert-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	IS-01
sec-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	IS-01
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
n-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	IS-01
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	IS-01
Naphthalene	ND	20	"	"	"	"	"	"	IS-01
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
<i>Surrogate: Dibromofluoromethane</i>		112 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.0 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.3 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-11-15 (E204051-10) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-11-15 (E204051-10) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	IS-01
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	IS-01
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	IS-01
n-Propylbenzene	ND	100	"	"	"	"	"	"	IS-01
Bromobenzene	ND	100	"	"	"	"	"	"	IS-01
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	IS-01
2-Chlorotoluene	ND	100	"	"	"	"	"	"	IS-01
4-Chlorotoluene	ND	100	"	"	"	"	"	"	IS-01
tert-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	IS-01
sec-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	IS-01
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
n-Butylbenzene	ND	100	"	"	"	"	"	"	IS-01
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	IS-01
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	IS-01
Naphthalene	ND	20	"	"	"	"	"	"	IS-01
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	IS-01
<i>Surrogate: Dibromofluoromethane</i>		119 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.1 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.3 %		75-125	"	"	"	"	

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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-11-5 (E204051-11) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-11-5 (E204051-11) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<hr/>									
Surrogate: Dibromofluoromethane		112 %		75-125	"	"	"	"	
Surrogate: Toluene-d8		98.9 %		75-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.2 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-12-15 (E204051-12) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-12-15 (E204051-12) Vapor    Sampled: 20-Apr-22    Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<hr/>									
Surrogate: Dibromofluoromethane		111 %		75-125		"	"	"	"
Surrogate: Toluene-d8		101 %		75-125		"	"	"	"
Surrogate: 4-Bromofluorobenzene		98.9 %		75-125		"	"	"	"

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Project: GSI041822-SB1 Rev  
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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-12-5 (E204051-13) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-12-5 (E204051-13) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<hr/>									
Surrogate: Dibromofluoromethane		101 %		75-125	"	"	"	"	
Surrogate: Toluene-d8		107 %		75-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.2 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-13-15 (E204051-14) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-13-15 (E204051-14) Vapor    Sampled: 20-Apr-22    Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		113 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.2 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.5 %		75-125	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-13-5 (E204051-15) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-13-5 (E204051-15) Vapor Sampled: 20-Apr-22 Received: 20-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22010	20-Apr-22	20-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		117 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.7 %		75-125	"	"	"	"	

GSI Environmental, Inc  
19200 Von Karman Ave Suite 800  
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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-16-15 (E204054-01) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-16-15 (E204054-01) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		120 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.9 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.7 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-16-5 (E204054-02) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Toluene</b>	<b>390</b>	<b>200</b>	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-16-5 (E204054-02) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<hr/>									
Surrogate: Dibromofluoromethane		114 %		75-125	"	"	"	"	
Surrogate: Toluene-d8		95.3 %		75-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		79.3 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-17-15 (E204054-03) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-17-15 (E204054-03) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		119 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.9 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.4 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-17-5 (E204054-04) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Toluene</b>	<b>200</b>	<b>200</b>	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-17-5 (E204054-04) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		123 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		86.3 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-18-15 (E204054-05) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
<b>Toluene</b>	<b>210</b>	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-18-15 (E204054-05) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<hr/>									
Surrogate: Dibromofluoromethane		103 %		75-125	"	"	"	"	
Surrogate: Toluene-d8		95.2 %		75-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.8 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-18-5 (E204054-06) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-18-5 (E204054-06) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		88.4 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.2 %		75-125	"	"	"	"	

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Project: GSI041822-SB1 Rev  
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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-19-15 (E204054-07) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-19-15 (E204054-07) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		111 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		91.6 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.0 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-19-5 (E204054-08) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-19-5 (E204054-08) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.6 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.8 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-19-5N (E204054-09) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	



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**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV-19-5N (E204054-09) Vapor Sampled: 21-Apr-22 Received: 21-Apr-22</b>									
o-Xylene	ND	100	ug/m3	0.01	ED22101	21-Apr-22	21-Apr-22	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		123 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		84.1 %		75-125	"	"	"	"	

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED21810 - EPA 5030**

**Blank (ED21810-BLK1)**

Prepared & Analyzed: 18-Apr-22

1,1-Difluoroethane (LCC)	ND	100	ug/m3							
Dichlorodifluoromethane (F12)	ND	100	"							
Chloromethane	ND	100	"							
Vinyl chloride	ND	10	"							
Bromomethane	ND	100	"							
Chloroethane	ND	100	"							
Trichlorofluoromethane (F11)	ND	100	"							
1,1-Dichloroethene	ND	100	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	100	"							
Methylene chloride (Dichloromethane)	ND	100	"							
Methyl tertiary-butyl ether (MTBE)	ND	100	"							
trans-1,2-Dichloroethene	ND	100	"							
1,1-Dichloroethane	ND	100	"							
2,2-Dichloropropane	ND	100	"							
cis-1,2-Dichloroethene	ND	100	"							
Chloroform	ND	20	"							
Bromochloromethane	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1-Dichloropropene	ND	100	"							
Carbon tetrachloride	ND	20	"							
1,2-Dichloroethane (EDC)	ND	20	"							
Benzene	ND	20	"							
Trichloroethene	ND	20	"							
1,2-Dichloropropane	ND	100	"							
Bromodichloromethane	ND	100	"							
Dibromomethane	ND	100	"							
cis-1,3-Dichloropropene	ND	100	"							
Toluene	ND	200	"							
trans-1,3-Dichloropropene	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
1,2-Dibromoethane (EDB)	ND	100	"							
1,3-Dichloropropane	ND	100	"							
Tetrachloroethene	ND	20	"							
Dibromochloromethane	ND	100	"							

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Project Number: 5925 / Ontario Airport  
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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED21810 - EPA 5030**

**Blank (ED21810-BLK1)**

Prepared & Analyzed: 18-Apr-22

Chlorobenzene	ND	20	ug/m3							
Ethylbenzene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
m,p-Xylene	ND	100	"							
o-Xylene	ND	100	"							
Styrene	ND	100	"							
Bromoform	ND	100	"							
Isopropylbenzene (Cumene)	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
n-Propylbenzene	ND	100	"							
Bromobenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
2-Chlorotoluene	ND	100	"							
4-Chlorotoluene	ND	100	"							
tert-Butylbenzene	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
sec-Butylbenzene	ND	100	"							
p-Isopropyltoluene	ND	100	"							
1,3-Dichlorobenzene	ND	100	"							
1,4-Dichlorobenzene	ND	100	"							
n-Butylbenzene	ND	100	"							
1,2-Dichlorobenzene	ND	100	"							
1,2-Dibromo-3-chloropropane	ND	1000	"							
1,2,4-Trichlorobenzene	ND	100	"							
Hexachlorobutadiene	ND	100	"							
Naphthalene	ND	20	"							
1,2,3-Trichlorobenzene	ND	100	"							
<i>Surrogate: Dibromofluoromethane</i>	472		"	500		94.4	75-125			
<i>Surrogate: Toluene-d8</i>	480		"	500		95.9	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	459		"	500		91.8	75-125			

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**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED21810 - EPA 5030**

**LCS (ED21810-BS1)**

Prepared & Analyzed: 18-Apr-22

Dichlorodifluoromethane (F12)	3800	500	ug/m3	5000		76.9	70-130			
Vinyl chloride	5900	50	"	5000		119	70-130			
Chloroethane	6200	500	"	5000		124	70-130			
Trichlorofluoromethane (F11)	5900	500	"	5000		118	70-130			
1,1-Dichloroethene	5800	500	"	5000		116	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5500	500	"	5000		109	70-130			
Methylene chloride (Dichloromethane)	5800	500	"	5000		115	70-130			
trans-1,2-Dichloroethene	5500	500	"	5000		110	70-130			
1,1-Dichloroethane	5900	500	"	5000		118	70-130			
cis-1,2-Dichloroethene	5500	500	"	5000		109	70-130			
Chloroform	5000	100	"	5000		99.8	70-130			
1,1,1-Trichloroethane	5300	500	"	5000		107	70-130			
Carbon tetrachloride	5100	100	"	5000		101	70-130			
1,2-Dichloroethane (EDC)	5800	100	"	5000		116	70-130			
Benzene	4800	100	"	5000		95.2	70-130			
Trichloroethene	4600	100	"	5000		92.0	70-130			
Toluene	4300	1000	"	5000		85.7	70-130			
1,1,2-Trichloroethane	4700	500	"	5000		93.1	70-130			
Tetrachloroethene	4500	100	"	5000		91.0	70-130			
Ethylbenzene	5400	500	"	5000		107	70-130			
1,1,1,2-Tetrachloroethane	4500	500	"	5000		89.3	70-130			
m,p-Xylene	9900	500	"	10000		98.7	70-130			
o-Xylene	5300	500	"	5000		106	70-130			
1,1,2,2-Tetrachloroethane	5500	500	"	5000		110	70-130			

Surrogate: Dibromofluoromethane	2760		"	2500		110	75-125			
Surrogate: Toluene-d8	2400		"	2500		96.0	75-125			
Surrogate: 4-Bromofluorobenzene	2440		"	2500		97.8	75-125			

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED21912 - EPA 5030**

**Blank (ED21912-BLK1)**

Prepared & Analyzed: 19-Apr-22

1,1-Difluoroethane (LCC)	ND	100	ug/m3							
Dichlorodifluoromethane (F12)	ND	100	"							
Chloromethane	ND	100	"							
Vinyl chloride	ND	10	"							
Bromomethane	ND	100	"							
Chloroethane	ND	100	"							
Trichlorofluoromethane (F11)	ND	100	"							
1,1-Dichloroethene	ND	100	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	100	"							
Methylene chloride (Dichloromethane)	ND	100	"							
Methyl tertiary-butyl ether (MTBE)	ND	100	"							
trans-1,2-Dichloroethene	ND	100	"							
1,1-Dichloroethane	ND	100	"							
2,2-Dichloropropane	ND	100	"							
cis-1,2-Dichloroethene	ND	100	"							
Chloroform	ND	20	"							
Bromochloromethane	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1-Dichloropropene	ND	100	"							
Carbon tetrachloride	ND	20	"							
1,2-Dichloroethane (EDC)	ND	20	"							
Benzene	ND	20	"							
Trichloroethene	ND	20	"							
1,2-Dichloropropane	ND	100	"							
Bromodichloromethane	ND	100	"							
Dibromomethane	ND	100	"							
cis-1,3-Dichloropropene	ND	100	"							
Toluene	ND	200	"							
trans-1,3-Dichloropropene	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
1,2-Dibromoethane (EDB)	ND	100	"							
1,3-Dichloropropane	ND	100	"							
Tetrachloroethene	ND	20	"							
Dibromochloromethane	ND	100	"							

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**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED21912 - EPA 5030**

Prepared & Analyzed: 19-Apr-22

**Blank (ED21912-BLK1)**

Chlorobenzene	ND	20	ug/m3							
Ethylbenzene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
m,p-Xylene	ND	100	"							
o-Xylene	ND	100	"							
Styrene	ND	100	"							
Bromoform	ND	100	"							
Isopropylbenzene (Cumene)	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
n-Propylbenzene	ND	100	"							
Bromobenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
2-Chlorotoluene	ND	100	"							
4-Chlorotoluene	ND	100	"							
tert-Butylbenzene	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
sec-Butylbenzene	ND	100	"							
p-Isopropyltoluene	ND	100	"							
1,3-Dichlorobenzene	ND	100	"							
1,4-Dichlorobenzene	ND	100	"							
n-Butylbenzene	ND	100	"							
1,2-Dichlorobenzene	ND	100	"							
1,2-Dibromo-3-chloropropane	ND	1000	"							
1,2,4-Trichlorobenzene	ND	100	"							
Hexachlorobutadiene	ND	100	"							
Naphthalene	ND	20	"							
1,2,3-Trichlorobenzene	ND	100	"							

Surrogate: Dibromofluoromethane	550		"	500		110	75-125			
Surrogate: Toluene-d8	483		"	500		96.6	75-125			
Surrogate: 4-Bromofluorobenzene	418		"	500		83.6	75-125			

GSI Environmental, Inc  
19200 Von Karman Ave Suite 800  
Irvine, CA 92612

Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED21912 - EPA 5030**

**LCS (ED21912-BS1)**

Prepared & Analyzed: 19-Apr-22

Dichlorodifluoromethane (F12)	3900	500	ug/m3	5000		77.9	70-130			
Vinyl chloride	5700	50	"	5000		113	70-130			
Chloroethane	5600	500	"	5000		112	70-130			
Trichlorofluoromethane (F11)	6300	500	"	5000		126	70-130			
1,1-Dichloroethene	5300	500	"	5000		107	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5100	500	"	5000		102	70-130			
Methylene chloride (Dichloromethane)	5000	500	"	5000		99.9	70-130			
trans-1,2-Dichloroethene	4900	500	"	5000		97.3	70-130			
1,1-Dichloroethane	5700	500	"	5000		113	70-130			
cis-1,2-Dichloroethene	5000	500	"	5000		99.9	70-130			
Chloroform	4500	100	"	5000		90.6	70-130			
1,1,1-Trichloroethane	4800	500	"	5000		96.3	70-130			
Carbon tetrachloride	4300	100	"	5000		85.5	70-130			
1,2-Dichloroethane (EDC)	5300	100	"	5000		106	70-130			
Benzene	4600	100	"	5000		92.0	70-130			
Trichloroethene	4200	100	"	5000		83.7	70-130			
Toluene	4200	1000	"	5000		83.4	70-130			
1,1,2-Trichloroethane	4300	500	"	5000		85.7	70-130			
Tetrachloroethene	3800	100	"	5000		75.7	70-130			
Ethylbenzene	5000	500	"	5000		99.5	70-130			
1,1,1,2-Tetrachloroethane	4400	500	"	5000		87.1	70-130			
m,p-Xylene	9300	500	"	10000		93.2	70-130			
o-Xylene	4900	500	"	5000		97.5	70-130			
1,1,2,2-Tetrachloroethane	5300	500	"	5000		106	70-130			

Surrogate: Dibromofluoromethane	2550		"	2500		102	75-125			
Surrogate: Toluene-d8	2410		"	2500		96.6	75-125			
Surrogate: 4-Bromofluorobenzene	2130		"	2500		85.1	75-125			

GSI Environmental, Inc  
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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED22010 - EPA 5030**

**Blank (ED22010-BLK1)**

Prepared & Analyzed: 20-Apr-22

1,1-Difluoroethane (LCC)	ND	100	ug/m3							
Dichlorodifluoromethane (F12)	ND	100	"							
Chloromethane	ND	100	"							
Vinyl chloride	ND	10	"							
Bromomethane	ND	100	"							
Chloroethane	ND	100	"							
Trichlorofluoromethane (F11)	ND	100	"							
1,1-Dichloroethene	ND	100	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	100	"							
Methylene chloride (Dichloromethane)	ND	100	"							
Methyl tertiary-butyl ether (MTBE)	ND	100	"							
trans-1,2-Dichloroethene	ND	100	"							
1,1-Dichloroethane	ND	100	"							
2,2-Dichloropropane	ND	100	"							
cis-1,2-Dichloroethene	ND	100	"							
Chloroform	ND	20	"							
Bromochloromethane	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1-Dichloropropene	ND	100	"							
Carbon tetrachloride	ND	20	"							
1,2-Dichloroethane (EDC)	ND	20	"							
Benzene	ND	20	"							
Trichloroethene	ND	20	"							
1,2-Dichloropropane	ND	100	"							
Bromodichloromethane	ND	100	"							
Dibromomethane	ND	100	"							
cis-1,3-Dichloropropene	ND	100	"							
Toluene	ND	200	"							
trans-1,3-Dichloropropene	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
1,2-Dibromoethane (EDB)	ND	100	"							
1,3-Dichloropropane	ND	100	"							
Tetrachloroethene	ND	20	"							
Dibromochloromethane	ND	100	"							



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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED22010 - EPA 5030**

Prepared & Analyzed: 20-Apr-22

**Blank (ED22010-BLK1)**

Chlorobenzene	ND	20	ug/m3							
Ethylbenzene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
m,p-Xylene	ND	100	"							
o-Xylene	ND	100	"							
Styrene	ND	100	"							
Bromoform	ND	100	"							
Isopropylbenzene (Cumene)	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
n-Propylbenzene	ND	100	"							
Bromobenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
2-Chlorotoluene	ND	100	"							
4-Chlorotoluene	ND	100	"							
tert-Butylbenzene	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
sec-Butylbenzene	ND	100	"							
p-Isopropyltoluene	ND	100	"							
1,3-Dichlorobenzene	ND	100	"							
1,4-Dichlorobenzene	ND	100	"							
n-Butylbenzene	ND	100	"							
1,2-Dichlorobenzene	ND	100	"							
1,2-Dibromo-3-chloropropane	ND	1000	"							
1,2,4-Trichlorobenzene	ND	100	"							
Hexachlorobutadiene	ND	100	"							
Naphthalene	ND	20	"							
1,2,3-Trichlorobenzene	ND	100	"							

Surrogate: Dibromofluoromethane	539		"	500		108	75-125			
Surrogate: Toluene-d8	498		"	500		99.5	75-125			
Surrogate: 4-Bromofluorobenzene	454		"	500		90.8	75-125			

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Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED22010 - EPA 5030**

**LCS (ED22010-BS1)**

Prepared & Analyzed: 20-Apr-22

Dichlorodifluoromethane (F12)	4100	500	ug/m3	5000		83.0	70-130			
Vinyl chloride	5900	50	"	5000		118	70-130			
Chloroethane	5900	500	"	5000		117	70-130			
Trichlorofluoromethane (F11)	6600	500	"	5000		133	70-130			QL-1H
1,1-Dichloroethene	5900	500	"	5000		118	70-130			
1,1,2-Trichlorotrifluoroethane (F113)	5800	500	"	5000		117	70-130			
Methylene chloride (Dichloromethane)	5300	500	"	5000		107	70-130			
trans-1,2-Dichloroethene	5400	500	"	5000		107	70-130			
1,1-Dichloroethane	6100	500	"	5000		123	70-130			
cis-1,2-Dichloroethene	5200	500	"	5000		103	70-130			
Chloroform	5000	100	"	5000		99.3	70-130			
1,1,1-Trichloroethane	5700	500	"	5000		114	70-130			
Carbon tetrachloride	5400	100	"	5000		109	70-130			
1,2-Dichloroethane (EDC)	6400	100	"	5000		129	70-130			
Benzene	4700	100	"	5000		93.2	70-130			
Trichloroethene	4700	100	"	5000		94.8	70-130			
Toluene	4500	1000	"	5000		90.1	70-130			
1,1,2-Trichloroethane	5200	500	"	5000		104	70-130			
Tetrachloroethene	3800	100	"	5000		75.2	70-130			
Ethylbenzene	4400	500	"	5000		87.8	70-130			
1,1,1,2-Tetrachloroethane	4000	500	"	5000		80.1	70-130			
m,p-Xylene	8400	500	"	10000		83.5	70-130			
o-Xylene	4500	500	"	5000		90.2	70-130			
1,1,2,2-Tetrachloroethane	5700	500	"	5000		115	70-130			
<i>Surrogate: Dibromofluoromethane</i>	2500		"	2500		100	75-125			
<i>Surrogate: Toluene-d8</i>	2340		"	2500		93.5	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	2200		"	2500		88.1	75-125			

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Project: GSI041822-SB1 Rev  
Project Number: 5925 / Ontario Airport  
Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED22101 - EPA 5030**

**Blank (ED22101-BLK1)**

Prepared & Analyzed: 21-Apr-22

1,1-Difluoroethane (LCC)	ND	100	ug/m3							
Dichlorodifluoromethane (F12)	ND	100	"							
Chloromethane	ND	100	"							
Vinyl chloride	ND	10	"							
Bromomethane	ND	100	"							
Chloroethane	ND	100	"							
Trichlorofluoromethane (F11)	ND	100	"							
1,1-Dichloroethene	ND	100	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	100	"							
Methylene chloride (Dichloromethane)	ND	100	"							
Methyl tertiary-butyl ether (MTBE)	ND	100	"							
trans-1,2-Dichloroethene	ND	100	"							
1,1-Dichloroethane	ND	100	"							
2,2-Dichloropropane	ND	100	"							
cis-1,2-Dichloroethene	ND	100	"							
Chloroform	ND	20	"							
Bromochloromethane	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1-Dichloropropene	ND	100	"							
Carbon tetrachloride	ND	20	"							
1,2-Dichloroethane (EDC)	ND	20	"							
Benzene	ND	20	"							
Trichloroethene	ND	20	"							
1,2-Dichloropropane	ND	100	"							
Bromodichloromethane	ND	100	"							
Dibromomethane	ND	100	"							
cis-1,3-Dichloropropene	ND	100	"							
Toluene	ND	200	"							
trans-1,3-Dichloropropene	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
1,2-Dibromoethane (EDB)	ND	100	"							
1,3-Dichloropropane	ND	100	"							
Tetrachloroethene	ND	20	"							
Dibromochloromethane	ND	100	"							

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED22101 - EPA 5030**

Prepared & Analyzed: 21-Apr-22

**Blank (ED22101-BLK1)**

Chlorobenzene	ND	20	ug/m3							
Ethylbenzene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
m,p-Xylene	ND	100	"							
o-Xylene	ND	100	"							
Styrene	ND	100	"							
Bromoform	ND	100	"							
Isopropylbenzene (Cumene)	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
n-Propylbenzene	ND	100	"							
Bromobenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
2-Chlorotoluene	ND	100	"							
4-Chlorotoluene	ND	100	"							
tert-Butylbenzene	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
sec-Butylbenzene	ND	100	"							
p-Isopropyltoluene	ND	100	"							
1,3-Dichlorobenzene	ND	100	"							
1,4-Dichlorobenzene	ND	100	"							
n-Butylbenzene	ND	100	"							
1,2-Dichlorobenzene	ND	100	"							
1,2-Dibromo-3-chloropropane	ND	1000	"							
1,2,4-Trichlorobenzene	ND	100	"							
Hexachlorobutadiene	ND	100	"							
Naphthalene	ND	20	"							
1,2,3-Trichlorobenzene	ND	100	"							
<i>Surrogate: Dibromofluoromethane</i>	459		"	500		91.7	75-125			
<i>Surrogate: Toluene-d8</i>	473		"	500		94.5	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	405		"	500		81.0	75-125			

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02-May-22 07:29

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED22101 - EPA 5030**

**LCS (ED22101-BS1)**

Prepared & Analyzed: 21-Apr-22

Dichlorodifluoromethane (F12)	4100	500	ug/m3	5000		81.4	70-130			
Vinyl chloride	6300	50	"	5000		125	70-130			
Chloroethane	6100	500	"	5000		121	70-130			
Trichlorofluoromethane (F11)	7200	500	"	5000		145	70-130			QL-1H
1,1-Dichloroethene	5800	500	"	5000		116	70-130			
1,1,2-Trichlorotrifluoroethane (F113)	6000	500	"	5000		119	70-130			
Methylene chloride (Dichloromethane)	5500	500	"	5000		110	70-130			
trans-1,2-Dichloroethene	5500	500	"	5000		111	70-130			
1,1-Dichloroethane	6000	500	"	5000		120	70-130			
cis-1,2-Dichloroethene	5100	500	"	5000		101	70-130			
Chloroform	5100	100	"	5000		103	70-130			
1,1,1-Trichloroethane	4800	500	"	5000		96.5	70-130			
Carbon tetrachloride	4300	100	"	5000		86.7	70-130			
1,2-Dichloroethane (EDC)	5400	100	"	5000		109	70-130			
Benzene	4800	100	"	5000		96.9	70-130			
Trichloroethene	5000	100	"	5000		101	70-130			
Toluene	4700	1000	"	5000		94.2	70-130			
1,1,2-Trichloroethane	5600	500	"	5000		112	70-130			
Tetrachloroethene	4300	100	"	5000		86.8	70-130			
Ethylbenzene	5000	500	"	5000		100	70-130			
1,1,1,2-Tetrachloroethane	4600	500	"	5000		92.8	70-130			
m,p-Xylene	9600	500	"	10000		95.9	70-130			
o-Xylene	4700	500	"	5000		93.3	70-130			
1,1,2,2-Tetrachloroethane	5700	500	"	5000		114	70-130			
<i>Surrogate: Dibromofluoromethane</i>	2820		"	2500		113	75-125			
<i>Surrogate: Toluene-d8</i>	2540		"	2500		101	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	1980		"	2500		79.2	75-125			

GSI Environmental, Inc  
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Project: GSI041822-SB1 Rev  
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Project Manager: Vincent Robino

Reported:  
02-May-22 07:29

### Notes and Definitions

- QL-1H The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
- IS-01 Internal standard response exceeded EPA recommended % deviation allowance. Results should be considered as estimated.
- LCC Leak Check Compound
- ND Analyte NOT DETECTED at or above the reporting limit
- MDL Method Detection Limit
- %REC Percent Recovery
- RPD Relative Percent Difference

All soil results are reported in wet weight.

### Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743 & 2745.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at [www.handpimg.com/about/certifications](http://www.handpimg.com/about/certifications).

Lab Client and Project Information		
Lab Client/Consultant: <u>GST Environmental Inc</u>	Project Name / #: <u>5925-202</u>	
Lab Client Project Manager: <u>Vimmie Robino</u>	Project Location: <u>1923 E Avion St</u>	
Lab Client Address: <u>19200 Von Karman Ave, 800</u>	Report E-Mail(s): <u>VPRobino@gsi-net.com</u> <u>JCVoss@gsi-net.com</u>	
Lab Client City, State, Zip: <u>Irvine, CA 92612</u>		
Phone Number: <u>949-679-6210/70</u>		
Reporting Requirements	Turnaround Time	Sampler Information
<input checked="" type="checkbox"/> Standard Report <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Excel EDD <input type="checkbox"/> Other EDD: _____ <input type="checkbox"/> CA Geotracker Global ID: _____	<input checked="" type="checkbox"/> Standard (7 days for preliminary report, 10 days for final report) <input type="checkbox"/> Rush (specify): _____	Sampler(s): <u>Lee, Nya</u> Signature: <u>[Signature]</u> Date: <u>4/18/22</u>

Sample Receipt (Lab Use Only)	
Date Rec'd: <u>4/18/22</u>	Control #: <u>22025910061</u>
H&P Project # <u>GST041822-SB1</u>	
Lab Work Order # <u>E204039</u>	
Sample Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below	
Receipt Gauge ID: _____	Temp: _____
Outside Lab: _____	
Receipt Notes/Tracking #: _____	
Lab PM Initials: _____	

**Additional Instructions to Laboratory:**

\* Preferred VOC units (please choose one):

µg/L    µg/m<sup>3</sup>    ppbv    ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List		VOCs Short List / Project List		Oxygenates	Naphthalene	TPHv as Gas	Aromatic/Aliphatic Fractions	Leak Check Compound	Methane by EPA 8015m	Fixed Gases by ASTM D1945
								<input checked="" type="checkbox"/> 8260SV	<input type="checkbox"/> TO-15	<input type="checkbox"/> 8260SV	<input type="checkbox"/> TO-15							
SV-6-5		4/18/22	752	SV	G-S	553/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-6-13			813			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-4-5			832			353/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-4-15			842			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EB-2022-0418			900			353/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-1-5			922			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-1-15			938			353/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-1-15N			1000			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-7-5			1023			353/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-7-15			1050			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Approved/Relinquished by: <u>[Signature]</u>	Company: <u>GST</u>	Date: <u>4/18/22</u>	Time: <u>1325</u>	Received by: <u>[Signature]</u>	Company: <u>H&amp;P</u>	Date: <u>4/18/22</u>	Time: <u>1325</u>											
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____											
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____											

\*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Lab Client and Project Information		
Lab Client/Consultant: <u>GSI Environmental Inc</u>	Project Name / #: <u>5925-202</u>	
Lab Client Project Manager: <u>Vinnie Robino</u>	Project Location: <u>1923 E Avion St</u>	
Lab Client Address: <u>19200 Von Karmen Ave, 800</u>	Report E-Mail(s): <u>VPRobino@gsi-net.com</u>	
Lab Client City, State, Zip: <u>Irvine, CA, 92612</u>	<u>JCVoss@gsi-net.com</u>	
Phone Number: <u>949-679-1070</u>		
Reporting Requirements	Turnaround Time	Sampler Information
<input checked="" type="checkbox"/> Standard Report <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Excel EDD <input type="checkbox"/> Other EDD: _____ <input type="checkbox"/> CA Geotracker Global ID: _____	<input checked="" type="checkbox"/> Standard (7 days for preliminary report, 10 days for final report) <input type="checkbox"/> Rush (specify): _____	Sampler(s): <u>COC MGC</u> Signature: _____ Date: <u>4/18/22</u>

Sample Receipt (Lab Use Only)	
Date Rec'd: <u>4/18/22</u>	Control #: <u>220259001.01</u>
H&P Project # <u>GSI041822-SB1</u>	
Lab Work Order # <u>E204039</u>	
Sample Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below	
Receipt Gauge ID: _____	Temp: _____
Outside Lab: _____	
Receipt Notes/Tracking #: _____	
Lab PM Initials: _____	

**Additional Instructions to Laboratory:**

\* Preferred VOC units (please choose one):

µg/L    µg/m<sup>3</sup>    ppbv    ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List		VOCs Short List / Project List		Oxygenates	Naphthalene	TPHv as Gas	Aromatic/Aliphatic Fractions	Leak Check Compound	Methane by EPA 8015m	Fixed Gases by ASTM D1945
								<input checked="" type="checkbox"/> 8260SV	<input type="checkbox"/> TO-15	<input type="checkbox"/> 8260SV	<input type="checkbox"/> TO-15							
<u>SV-5-5</u>		<u>4/18/22</u>	<u>1144</u>	<u>S.V</u>	<u>GS</u>	<u>359/353</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>			
<u>SV-5-15</u>		<u>↓</u>	<u>1205</u>	<u>↓</u>	<u>↓</u>	<u>362/363</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>			
<u>SV-8-5</u>		<u>↓</u>	<u>1230</u>	<u>↓</u>	<u>↓</u>	<u>359/353</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>			
<u>SV-8-15</u>		<u>↓</u>	<u>1259</u>	<u>↓</u>	<u>↓</u>	<u>362/363</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>			

Approved/Relinquished by: <u>[Signature]</u>	Company: <u>GSI</u>	Date: <u>4/18/22</u>	Time: <u>1325</u>	Received by: <u>[Signature]</u>	Company: <u>H&amp;P</u>	Date: <u>4/18/22</u>	Time: <u>1325</u>
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____

\*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back



Lab Client and Project Information		
Lab Client/Consultant: <u>GSI Environmental Inc</u>	Project Name / #: <u>5925-200</u>	
Lab Client Project Manager: <u>Vinnie Robino</u>	Project Location: <u>1923 E Ader St</u>	
Lab Client Address: <u>19200 von Karman Ave, 800</u>	Report E-Mail(s): <u>VPRobino@gsi-net.com</u>	
Lab Client City, State, Zip: <u>Erving, CA, 92612</u>		
Phone Number: <u>949-679-1070</u>		
Reporting Requirements	Turnaround Time	Sampler Information
<input checked="" type="checkbox"/> Standard Report <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Excel EDD <input type="checkbox"/> Other EDD: _____ <input type="checkbox"/> CA Geotracker Global ID: _____	<input checked="" type="checkbox"/> Standard (7 days for preliminary report, 10 days for final report) <input type="checkbox"/> Rush (specify): _____	Sampler(s): _____ Signature: <u>[Signature]</u> Date: <u>4/19/22</u>

Sample Receipt (Lab Use Only)	
Date Rec'd: <u>4/19/22</u>	Control #: <u>22025900/01</u>
H&P Project # <u>GSI041822-SB1</u>	
Lab Work Order # <u>E204043</u>	
Sample Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below	
Receipt Gauge ID: _____	Temp: _____
Outside Lab: _____	
Receipt Notes/Tracking #: _____	
Lab PM Initials: _____	

**Additional Instructions to Laboratory:**

\* Preferred VOC units (please choose one):

µg/L    µg/m<sup>3</sup>    ppbv    ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List		VOCs Short List / Project List		Oxygenates	Naphthalene	TPHV as Gas	Aromatic/Aliphatic Fractions	Leak Check Compound	Methane by EPA 8015m	Fixed Gases by ASTM D1945
								<input checked="" type="checkbox"/> 8260SV	<input type="checkbox"/> TO-15	<input type="checkbox"/> 8260SV	<input type="checkbox"/> TO-15							
SV-2-5		4/19/22	738	S-V	G-S	353/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-2-15			751			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GIW-1-9-5			845			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GIW-1-9-15			900			353/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GIW-1-2-5			925			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GIW-1-2-15			945			353/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GIW-1-7-5			1015			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GIW-1-7-15			1040			353/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GIW-1-7-15N			1059			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-14-5			1150			353/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Approved/Relinquished by: <u>[Signature]</u>	Company: <u>GSI Env.</u>	Date: <u>4/19/22</u>	Time: <u>1324</u>	Received by: <u>[Signature]</u>	Company: <u>H&amp;P</u>	Date: <u>4/19/22</u>	Time: <u>1325</u>											
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____											
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____											

\*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Lab Client and Project Information		
Lab Client/Consultant: <u>GSI Environmental Inc.</u>	Project Name / #: <u>5925-200</u>	
Lab Client Project Manager: <u>Vinnie Robino</u>	Project Location: <u>1973 E Avalon St</u>	
Lab Client Address: <u>19200 Von Karman Ave, 800</u>	Report E-Mail(s): <u>VPRobino@gsi-net.com</u>	
Lab Client City, State, Zip: <u>Lawrence, CA, 92502</u>		
Phone Number: <u>949-679-1070</u>		
Reporting Requirements	Turnaround Time	Sampler Information
<input checked="" type="checkbox"/> Standard Report <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Excel EDD <input type="checkbox"/> Other EDD: _____ <input type="checkbox"/> CA Geotracker Global ID: _____	<input checked="" type="checkbox"/> Standard (7 days for preliminary report, 10 days for final report) <input type="checkbox"/> Rush (specify): _____	Sampler(s): <u>LOC N50</u> Signature: _____ Date: <u>4/19/22</u>

Sample Receipt (Lab Use Only)	
Date Rec'd: <u>4/19/22</u>	Control #: <u>22025900101</u>
H&P Project # <u>GSI 041822-SBI</u>	
Lab Work Order # <u>E204043</u>	
Sample Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below	
Receipt Gauge ID: _____	Temp: _____
Outside Lab: _____	
Receipt Notes/Tracking #: _____	
Lab PM Initials: _____	

Additional Instructions to Laboratory:																					
* Preferred VOC units (please choose one):																					
<input type="checkbox"/> µg/L <input checked="" type="checkbox"/> µg/m <sup>3</sup> <input type="checkbox"/> ppbv <input type="checkbox"/> ppmv																					
SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List <input checked="" type="checkbox"/> 8260SV <input type="checkbox"/> TO-15	VOCs Short List / Project List <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15	Oxygenates <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15	Naphthalene <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15	TPHv as Gas <input type="checkbox"/> 8260SVm <input type="checkbox"/> TO-15m	Aromatic/Aliphatic Fractions <input type="checkbox"/> 8260SVm <input type="checkbox"/> TO-15m	Leak Check Compound <input checked="" type="checkbox"/> DFA <input type="checkbox"/> IPA <input type="checkbox"/> He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2					
SV-14-15		4/19/22	1208	SV	G-S	352/303		X						X							
SV-15-5		↓	1235	↓	↓	377/35		X						X							
SV-15-15		↓	1300	↓	↓	302/303		X						X							
<div style="border: 1px solid black; border-radius: 50%; width: 100%; height: 100%; opacity: 0.5;"></div>																					
Approved/Relinquished by: <u>T. Li</u> Company: <u>GSI Env.</u> Date: <u>4/19/22</u> Time: <u>1324</u>						Received by: <u>[Signature]</u> Company: <u>H&amp;P</u> Date: <u>4/19/22</u> Time: <u>1325</u>															
Approved/Relinquished by: _____    Company: _____    Date: _____    Time: _____						Received by: _____    Company: _____    Date: _____    Time: _____															
Approved/Relinquished by: _____    Company: _____    Date: _____    Time: _____						Received by: _____    Company: _____    Date: _____    Time: _____															

\*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back      Appendix 6A1, Rev 1/9/2019, Effective 1/21/2019

Lab Client and Project Information		
Lab Client/Consultant: <u>GSI Environmental Inc</u>	Project Name / #: <u>5925-200</u>	
Lab Client Project Manager: <u>Vinnye Robino</u>	Project Location: <u>1923 E Avion St</u>	
Lab Client Address: <u>19200 Von Karmen Ave, #800</u>	Report E-Mail(s): <u>VRobino@gsi-net.com</u>	
Lab Client City, State, Zip: <u>Irving, CA, 92612</u>		
Phone Number: <u>949-679-1070</u>		
Reporting Requirements	Turnaround Time	Sampler Information
<input checked="" type="checkbox"/> Standard Report <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Excel EDD <input type="checkbox"/> Other EDD: _____ <input type="checkbox"/> CA Geotracker Global ID: _____	<input checked="" type="checkbox"/> Standard (7 days for preliminary report, 10 days for final report) <input type="checkbox"/> Rush (specify): _____	Sampler(s): <u>J. Arellano</u> Signature: <u>[Signature]</u> Date: <u>04-20-22</u>

Sample Receipt (Lab Use Only)	
Date Rec'd: <u>4/20/22</u>	Control #: <u>220259001.01</u>
H&P Project # <u>G-SIC41822-SB1</u>	
Lab Work Order # <u>E204051</u>	
Sample Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below	
Receipt Gauge ID: _____	Temp: _____
Outside Lab: _____	
Receipt Notes/Tracking #: _____	
Lab PM Initials: _____	

**Additional Instructions to Laboratory:**

\* Preferred VOC units (please choose one):

µg/L    µg/m<sup>3</sup>    ppbv    ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List		VOCs Short List / Project List		Oxygenates	Naphthalene	TPHv as Gas	Aromatic/Aliphatic Fractions	Leak Check Compound	Methane by EPA 8015m	Fixed Gases by ASTM D1945
								<input checked="" type="checkbox"/> 8260SV	<input type="checkbox"/> TO-15	<input type="checkbox"/> 8260SV	<input type="checkbox"/> TO-15							
SV-9-15		4/20/22	752	SV	G.S	57/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-9-5			808			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G2-9-1-5			825			87/364		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G2-9-1-5N			844			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G2-9-1-15			904			353/354		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-3-15			921			87/364		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-3-5			934			362/363		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G1C-8-6-SV0F			956			87/364		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G1C-8-6-SV0-5			102			57/359		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SV-11-15			1037			87/364		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Approved/Relinquished by: <u>[Signature]</u>	Company: <u>GSI Env.</u>	Date: <u>4/20/22</u>	Time: <u>1250</u>	Received by: <u>[Signature]</u>	Company: <u>H&amp;P</u>	Date: <u>4/20/22</u>	Time: <u>1250</u>											
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____											
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____											

\*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Lab Client and Project Information		
Lab Client/Consultant: <u>GSI Environmental Inc</u>	Project Name / #: <u>5925-200</u>	
Lab Client Project Manager: <u>Vincent Robino</u>	Project Location: <u>1923 E Avion St</u>	
Lab Client Address: <u>19200 VonKarman Ave 800</u>	Report E-Mail(s): <u>VRobino@gsi-net.com</u>	
Lab Client City, State, Zip: <u>Irving, CA 92612</u>		
Phone Number: <u>949-679-1070</u>		
Reporting Requirements	Turnaround Time	Sampler Information
<input checked="" type="checkbox"/> Standard Report <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Excel EDD <input type="checkbox"/> Other EDD: _____ <input type="checkbox"/> CA Geotracker Global ID: _____	<input checked="" type="checkbox"/> Standard (7 days for preliminary report, 10 days for final report) <input type="checkbox"/> Rush (specify): _____	Sampler(s): <u>J. Arellano</u> Signature: _____ Date: <u>04-20-22</u>

Sample Receipt (Lab Use Only)	
Date Rec'd: <u>4/20/22</u>	Control #: <u>220259.00/01</u>
H&P Project # <u>GSI 041822-SB1</u>	
Lab Work Order # <u>E204051</u>	
Sample Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below	
Receipt Gauge ID: _____	Temp: _____
Outside Lab: _____	
Receipt Notes/Tracking #: _____	
Lab PM Initials: _____	

**Additional Instructions to Laboratory:**

\* Preferred VOC units (please choose one):

µg/L  µg/m<sup>3</sup>  ppbv  ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List		VOCs Short List / Project List		Oxygenates	Naphthalene	TPHv as Gas	Aromatic/Aliphatic Fractions	Leak Check Compound	Methane by EPA 8015m	Fixed Gases by ASTM D1945
								<input checked="" type="checkbox"/> 8260SV	<input type="checkbox"/> TO-15	<input type="checkbox"/> 8260SV	<input type="checkbox"/> TO-15							
SV-11-5		4/20/22	1052	S.V	GS	302/283		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input checked="" type="checkbox"/>		
SV-12-15			1110			364/87		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input checked="" type="checkbox"/>		
SV-12-5			1127			353/85		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input checked="" type="checkbox"/>		
SV-13-15			1150			364/87		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input checked="" type="checkbox"/>		
SV-13-5			1124			302/283		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input checked="" type="checkbox"/>		

Approved/Relinquished by: <u>Z.L.</u>	Company: <u>GSI Env.</u>	Date: <u>4/20/22</u>	Time: <u>1250</u>	Received by: <u>[Signature]</u>	Company: <u>H&amp;P</u>	Date: <u>4/20/22</u>	Time: <u>1250</u>
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____

\*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Lab Client and Project Information		
Lab Client/Consultant: <u>GSI Environmental Inc</u>	Project Name / #: <u>5925-200</u>	
Lab Client Project Manager: <u>Vincent Robino</u>	Project Location: <u>1923 E Avion St</u>	
Lab Client Address: <u>19200 Von Karman Ave, 800</u>	Report E-Mail(s): <u>VRobino@gsi-net.com</u>	
Lab Client City, State, Zip: <u>Irving, CA 92612</u>		
Phone Number: <u>949-879-1070</u>		
Reporting Requirements	Turnaround Time	Sampler Information
<input checked="" type="checkbox"/> Standard Report <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Excel EDD <input type="checkbox"/> Other EDD: _____ <input type="checkbox"/> CA Geotracker Global ID: _____	<input checked="" type="checkbox"/> Standard (7 days for preliminary report, 10 days for final report) <input type="checkbox"/> Rush (specify): _____	Sampler(s): <u>J. Arellano</u> Signature: <u>[Signature]</u> Date: <u>04-21-22</u>

Sample Receipt (Lab Use Only)	
Date Rec'd: <u>4/21/22</u>	Control #: <u>220259.00/d</u>
H&P Project # <u>GSI 041822-SB1</u>	
Lab Work Order # <u>E-204054</u>	
Sample Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below	
Receipt Gauge ID: _____	Temp: _____
Outside Lab: _____	
Receipt Notes/Tracking #: _____	
Lab PM Initials: _____	

Additional Instructions to Laboratory:																							
* Preferred VOC units (please choose one):																							
<input type="checkbox"/> µg/L <input checked="" type="checkbox"/> ng/m <sup>3</sup> <input type="checkbox"/> ppbv <input type="checkbox"/> ppmv																							
SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List <input checked="" type="checkbox"/> 8260SV <input type="checkbox"/> TO-15	VOCs Short List / Project List <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15	Oxygenates <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15	Naphthalene <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15	TPHv as Gas <input type="checkbox"/> 8260SVm <input type="checkbox"/> TO-15m	Aromatic/Aliphatic Fractions <input type="checkbox"/> 8260SVm <input type="checkbox"/> TO-15m	Leak Check Compound <input checked="" type="checkbox"/> DFA <input type="checkbox"/> IPA <input type="checkbox"/> He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2							
SV-16-15		4/21/22	731	S.V	G-S	39/33		X						X									
SV-16-5			746			353/359		X						X									
SV-17-15			802			37/30		X						X									
SV-17-5			819			352/353		X						X									
SV-18-15			841			712/304/87/353/359		X						X									
SV-18-5			902			87/304/353/359		X						X									
SV-19-15			922			353/359		X						X									
SV-19-5			938			30/383		X						X									
SV-19-5N			1028			TT2 87/304/353/359		X						X									

Approved/Relinquished by: <u>[Signature]</u>	Company: <u>GSI Env</u>	Date: <u>4/21/22</u>	Time: <u>1055</u>	Received by: <u>[Signature]</u>	Company: <u>H&amp;P</u>	Date: <u>4/21/22</u>	Time: <u>1055</u>
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____

### Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GSI 041822-SB1/TECH Date: 4/18/22  
 Site Address: 1923 E. AVION ST Page: 1 of 2  
 Consultant: GSI ENVIRONMENTAL INC H&P Rep(s): LOC NGO  
 Consultant Rep(s): TIAM NOVIN

Reviewed: DB  
Scanned: Thoms

<b>Equipment Info</b>	<b>Purge Volume Information</b>	<b>Leak Check Compound</b>	<b>Resample Key</b>
Inline Gauge ID#: _____ Pump ID#: <u>008</u>	PV Amount: <u>3PV</u> PV Includes: <input checked="" type="checkbox"/> Tubing <input checked="" type="checkbox"/> Sand 40% <input checked="" type="checkbox"/> Dry Bent 50%	<input checked="" type="checkbox"/> 1,1-DFA <input type="checkbox"/> 1,1,1,2-TFA <input type="checkbox"/> IPA <input type="checkbox"/> Other: <i>A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.</i>	RS = Resample RD = for Dilution RL = for LCC Fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	Probe Vac <input type="checkbox"/> Hg <input checked="" type="checkbox"/> H <sub>2</sub> O
1	SU-6-5	<del>353</del> 359	100	752	5	6	1/4	6	<del>2.25</del> 3.25	6	3.25	✓	✓	2753	200	1377	200	0
2	SU-6-15	<del>362</del> 363	100	813	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
3	SU-4-5	<del>353</del> 359	100	832	5	6	1/4	6	<del>2.25</del> 3.25	6	3.25	✓	✓	2753	200	1377	200	0
4	SU-4-15	<del>362</del> 363	100	842	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
5	EB-20220418	<del>353</del> 359	100	906	-	-	-	-	-	-	-	-	-	-	-	-	200	-
6	SU-1-5	<del>362</del> 363	100	922	5	6	1/4	6	<del>2.25</del> 3.25	6	3.25	✓	✓	2753	200	1377	200	0
7	SU-1-15	<del>353</del> 359	100	938	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
8	SU-1-15 N	<del>362</del> 363	100	1000	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1882	-	-	200	0
9	SU-7-5	<del>353</del> 359	100	1023	5	6	1/4	6	<del>2.25</del> 3.25	6	3.25	✓	✓	2753	200	1377	200	0
10	SU-7-15	<del>362</del> 363	100	1050	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0
11	SU-5-5	<del>353</del> 359	100	1144	5	6	1/4	6	<del>2.25</del> 3.25	6	3.25	✓	✓	2753	200	1377	200	0
12	SU-5-15	<del>362</del> 363	100	1205	15	16.5	1/4	12	2.25	6	2.25	✓	✓	1782	200	891	200	0

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

USE 11 Tway valves

## Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GST041822-SBI/TECH Date: 4/18/22  
 Site Address: 1923 F AVION ST Page: 2 of 2  
 Consultant: GSE Environmental Inc. H&P Rep(s): LOC NGO  
 Consultant Rep(s): TIAM NOVIN

Reviewed: DB  
Scanned: Flora

<b>Equipment Info</b> Inline Gauge ID#: _____ Pump ID#: <u>008</u>	<b>Purge Volume Information</b> PV Amount: <u>3PV</u> PV Includes: <input checked="" type="checkbox"/> Tubing <input checked="" type="checkbox"/> Sand 40% <input checked="" type="checkbox"/> Dry Bent 50%	<b>Leak Check Compound</b> <input checked="" type="checkbox"/> 1,1-DFA <input type="checkbox"/> 1,1,1,2-TFA <input type="checkbox"/> IPA <input type="checkbox"/> Other: _____ <i>A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.</i>	<b>Resample Key</b> RS = Resample RD = for Dilution RL = for LCC Fail
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Sample Information				Probe Specs								Purge & Collection Information						
Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac <input type="checkbox"/> Hg <input checked="" type="checkbox"/> H <sub>2</sub> O	
1	<u>SV-8-5</u>	<u>353</u> <u>359</u>	<u>100</u>	<u>1230</u>	<u>5</u>	<u>6</u>	<u>1/4</u>	<u>6/6</u>	<u>2.25</u> <u>3.25</u>	<u>6</u>	<u>3.25</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>2753</u>	<u>200</u>	<u>13.77</u>	<u>200</u>	<u>0</u>
2	<u>SV-8-15</u>	<u>362</u> <u>368</u>	<u>100</u>	<u>1258</u>	<u>15</u>	<u>16.5</u>	<u>1/4</u>	<u>12</u>	<u>2.25</u>	<u>6</u>	<u>2.25</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>1782</u>	<u>200</u>	<u>8.91</u>	<u>200</u>	<u>0</u>
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

USED 2 1-way valves

## Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GSI041822-SBI/TECH Date: 4/19/22  
 Site Address: 1923 E AVION ST Page: 1 of 2  
 Consultant: GSI ENVIRONMENTAL INC H&P Rep(s): LOE NCO  
 Consultant Rep(s): TIAM NOVIN

Reviewed: MB  
Scanned: Flours

<b>Equipment Info</b>	<b>Purge Volume Information</b>	<b>Leak Check Compound</b>
Inline Gauge ID#: _____ Pump ID#: <u>008</u>	PV Amount: <u>3PV</u> PV Includes: <input checked="" type="checkbox"/> Tubing <input checked="" type="checkbox"/> Sand 40% <input checked="" type="checkbox"/> Dry Bent 50%	<input checked="" type="checkbox"/> 1,1-DFA <input type="checkbox"/> 1,1,1,2-TFA <input type="checkbox"/> IPA <input type="checkbox"/> Other:

**Resample Key**  
 RS = Resample  
 RD = for Dilution  
 RL = for LCC Fail

Sample Information				Probe Specs								Purge & Collection Information							
Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac <input type="checkbox"/> Hg <input checked="" type="checkbox"/> H <sub>2</sub> O		
1	<u>SV-2-5</u>	<u>353/359</u>	<u>100</u>	<u>738</u>	<u>5</u>	<u>6</u>	<u>1/4</u>	<u>6</u>	<u>2.25</u>	<u>3.25</u>	<u>6</u>	<u>3.25</u>	✓	✓	<u>2753</u>	<u>200</u>	<u>1377</u>	<u>200</u>	<u>0</u>
2	<u>SU-2-15</u>	<u>362/363</u>	<u>100</u>	<u>751</u>	<u>15</u>	<u>16.5</u>	<u>1/4</u>	<u>12</u>	<u>2.5</u>	<u>2.25</u>	<u>6</u>	<u>2.25</u>	✓	✓	<u>1782</u>	<u>200</u>	<u>891</u>	<u>200</u>	<u>0</u>
3	<u>61W-1-9-5</u>	<u>362/363</u>	<u>100</u>	<u>845</u>	<u>5</u>	<u>6</u>	<u>1/4</u>	<u>6</u>	<u>2.25</u>	<u>3.25</u>	<u>6</u>	<u>3.25</u>	✓	✓	<u>2753</u>	<u>200</u>	<u>1377</u>	<u>200</u>	<u>0</u>
4	<u>61W-1-9-15</u>	<u>353/359</u>	<u>100</u>	<u>908</u>	<u>15</u>	<u>16.5</u>	<u>1/4</u>	<u>12</u>	<u>2.25</u>	<u>2.25</u>	<u>6</u>	<u>2.25</u>	✓	✓	<u>1782</u>	<u>200</u>	<u>891</u>	<u>200</u>	<u>0</u>
5	<u>61W-1-2-5</u>	<u>362/363</u>	<u>100</u>	<u>925</u>	<u>5</u>	<u>6</u>	<u>1/4</u>	<u>6</u>	<u>2.25</u>	<u>3.25</u>	<u>6</u>	<u>3.25</u>	✓	✓	<u>2753</u>	<u>200</u>	<u>1377</u>	<u>200</u>	<u>0</u>
6	<u>61W-1-2-15</u>	<u>353/359</u>	<u>100</u>	<u>945</u>	<u>15</u>	<u>16.5</u>	<u>1/4</u>	<u>12</u>	<u>2.25</u>	<u>2.25</u>	<u>6</u>	<u>2.25</u>	✓	✓	<u>1782</u>	<u>200</u>	<u>891</u>	<u>200</u>	<u>0</u>
7	<u>61W-1-7-5</u>	<u>362/363</u>	<u>100</u>	<u>1015</u>	<u>5</u>	<u>6</u>	<u>1/4</u>	<u>6</u>	<u>2.25</u>	<u>3.25</u>	<u>6</u>	<u>3.25</u>	✓	✓	<u>2753</u>	<u>200</u>	<u>1377</u>	<u>200</u>	<u>0</u>
8	<u>61W-1-7-15</u>	<u>353/359</u>	<u>100</u>	<u>1040</u>	<u>15</u>	<u>16.5</u>	<u>1/4</u>	<u>12</u>	<u>2.25</u>	<u>2.25</u>	<u>6</u>	<u>2.25</u>	✓	✓	<u>1782</u>	<u>200</u>	<u>891</u>	<u>200</u>	<u>0</u>
9	<u>61W-1-7-15N</u>	<u>362/363</u>	<u>100</u>	<u>1055</u>	<u>15</u>	<u>16.5</u>	<u>1/4</u>	<u>12</u>	<u>2.5</u>	<u>2.25</u>	<u>6</u>	<u>2.25</u>	✓	✓	<u>1882</u>	<u>-</u>	<u>-</u>	<u>200</u>	<u>0</u>
10	<u>SU-14-5</u>	<u>353/359</u>	<u>100</u>	<u>1150</u>	<u>5</u>	<u>6</u>	<u>1/4</u>	<u>6</u>	<u>2.25</u>	<u>3.25</u>	<u>6</u>	<u>3.25</u>	✓	✓	<u>2753</u>	<u>200</u>	<u>1377</u>	<u>200</u>	<u>0</u>
11	<u>SU-14-15</u>	<u>362/363</u>	<u>100</u>	<u>1208</u>	<u>15</u>	<u>16.5</u>	<u>1/4</u>	<u>12</u>	<u>2.25</u>	<u>2.25</u>	<u>6</u>	<u>2.25</u>	✓	✓	<u>1782</u>	<u>200</u>	<u>891</u>	<u>200</u>	<u>0</u>
12	<u>SU-15-5</u>	<u>353/359</u>	<u>100</u>	<u>1235</u>	<u>5</u>	<u>6</u>	<u>1/4</u>	<u>6</u>	<u>2.25</u>	<u>3.25</u>	<u>6</u>	<u>3.25</u>	✓	✓	<u>2753</u>	<u>200</u>	<u>1377</u>	<u>200</u>	<u>0</u>

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):



### Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GSI 041822-SBI7 TECH Date: 4/19/22  
 Site Address: 1923 E Avion ST Page: 2 of 2  
 Consultant: GSE ENVIRONMENTAL INC. H&P Rep(s): LOC NGO  
 Consultant Rep(s): TIAM NOVIN

Reviewed: DB  
Scanned: Thomas

<b>Equipment Info</b>	<b>Purge Volume Information</b>	<b>Leak Check Compound</b>	<b>Resample Key</b>
Inline Gauge ID#: _____ Pump ID#: <u>008</u>	PV Amount: <u>38V</u> PV Includes: <input checked="" type="checkbox"/> Tubing <input checked="" type="checkbox"/> Sand 40% <input checked="" type="checkbox"/> Dry Bent 50%	<input checked="" type="checkbox"/> 1,1-DFA <input type="checkbox"/> 1,1,1,2-TFA <input type="checkbox"/> IPA <input type="checkbox"/> Other: _____ <i>A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.</i>	<i>RS = Resample RD = for Dilution RL = for LCC Fail</i>

Sample Information				Probe Specs								Purge & Collection Information						
Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac <input type="checkbox"/> Hg <input checked="" type="checkbox"/> H <sub>2</sub> O	
1	<u>SU-15-15</u>	<u>362</u> <u>363</u>	<u>100</u>	<u>1300</u>	<u>15</u>	<u>16.5</u>	<u>1/4</u>	<u>12</u>	<u>2.25</u>	<u>6</u>	<u>2.25</u>	<u>✓</u>	<u>✓</u>	<u>1782</u>	<u>200</u>	<u>891</u>	<u>200</u>	<u>0</u>
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):  
USED 12 Inway valves

## Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GR5E041822-SB1/TECH Date: 09-20-22  
 Site Address: 1923 FAUVON ST Page: 1 of 2  
 Consultant: GRSI H&P Rep(s): J. Arellano  
 Consultant Rep(s): Tian Morin T. Le

Reviewed: DB  
Scanned: Florus

<b>Equipment Info</b> Inline Gauge ID#: _____ Pump ID#: <u>078/014</u>	<b>Purge Volume Information</b> PV Amount: <u>2PV</u> PV Includes: <input checked="" type="checkbox"/> Tubing <input checked="" type="checkbox"/> Sand 40% <input checked="" type="checkbox"/> Dry Bent 50%	<b>Leak Check Compound</b> <input checked="" type="checkbox"/> 1,1-DFA A cloth saturated with LCC is placed around <input type="checkbox"/> 1,1,1,2-TFA tubing connections and probe seal. This is <input type="checkbox"/> IPA done for all samples unless otherwise noted. <input type="checkbox"/> Other:	<b>Resample Key</b> RS = Resample RD = for Dilution RL = for LCC Fail

Sample Information				Probe Specs								Purge & Collection Information					
Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac <input type="checkbox"/> Hg <input checked="" type="checkbox"/> H <sub>2</sub> O
1 SV-9-15	357/359	100	0752	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-10
2 SV-9-5	367/362	100	0808	5	6	1/4	6/6	2.25/2.25	6	3.25	✓	✓	2757	200	17:46	200	-5
3 62-9-1-5	364/87	100	0825	5	6	1/4	6/6	2.25/2.25	6	3.25	✓	✓	2757	200	17:46	200	0
4 62-9-1-5N	367/362	100	0844	5	6	1/4	6/6	2.25/2.25	6	3.25	✓	✓	2853	200	-	200	0
5 62-9-1-15	357/359	100	0904	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-15
6 SV-3-15	367/362	100	0921	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-10
7 SV-3-5	367/362	100	0939	5	6	1/4	6/6	2.25/2.25	6	3.25	✓	✓	2757	200	17:46	200	0
8 61C-8-6-SV10-15	367/362	100	0956	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-10
9 61C-8-6-SV10-5	359/353	100	1012	5	6	1/4	6/6	2.25/2.25	6	3.25	✓	✓	2757	200	17:46	200	-5
10 SV-11-15	364/87	100	1037	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-5
11 SV-11-5	367/362	100	1052	5	6	1/4	6/6	2.25/2.25	6	3.25	✓	✓	2757	200	17:46	200	0
12 SV-12-15	364/87	100	1110	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	0

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

\*Client provided purge info  
N=Rep



## Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: GS1041822-SB1 Date: 21-Apr-22  
 Site Address: 1923 E AVION ST Page: 1 of 1  
 Consultant: GSI H&P Rep(s): J. Arellano, TAN  
 Consultant Rep(s): TIAM NOVIN

Reviewed: DB  
 Scanned: Flows

<b>Equipment Info</b> Inline Gauge ID#: 23 Pump ID#: 006 <sup>038/014</sup>	<b>Purge Volume Information</b> PV Amount: <b>3PV</b> PV Includes: <input checked="" type="checkbox"/> Tubing <input checked="" type="checkbox"/> Sand 40% <input checked="" type="checkbox"/> Dry Bent 50%		<b>Leak Check Compound</b> <input checked="" type="checkbox"/> 1,1-DFA <input type="checkbox"/> 1,1,1,2-TFA <input type="checkbox"/> IPA <input type="checkbox"/> Other:	<b>Resample Key</b> RS= Resample RD = for Dillution RL= for LCC fail
	A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.			

Sample Information				Probe Specs							Purge & Collection Information							
Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac <input type="checkbox"/> Hg <input checked="" type="checkbox"/> H <sub>2</sub> O	
1	SV-16-15	362/363	100	0731	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	0
2	SV-16-5	353/359	100	0746	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	13:46	200	0
3	SV-17-15	364/87	100	0802	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	0
4	SV-17-5	363/362	100	0819	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	13:46	200	-5
5	SV-18-15	359/357	100	0841	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	0
6	SV-18-5	364/87	100	0902	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	13:46	200	0
7	SV-19-15	353/359	100	0922	15	16	1/4	12	2.25	6	2.25	✓	✓	1782	200	8:55	200	-20
8	SV-19-5	362/363	100	0938	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	✓	2753	200	13:46	200	-5
9	SV-19-5N	364/87	100	1004	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	-	2853	200	-	200	-5
10	SV-19-5N P5	353/359	100	1028	5	6	1/4	6/6	2.25/3.25	6	3.25	✓	-	2953	200	-	200	-5
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):  
 \*Client provided purg/specc info probe