Phase II Environmental Site Assessment

Former Landfill, 1901 Verde Drive, Ontario, Oregon
City of Ontario – State of Oregon Orphan Landfill Program

Stantec

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1 Introduction

On behalf of the City of Ontario, Stantec Consulting Services Inc. (Stantec) has prepared this Phase II Environmental Site Assessment (ESA) report for a former landfill located at 1901 Verde Drive, Ontario, Oregon (Property). Funding for the Phase II ESA was provided through the Oregon Department of Environmental Quality (DEQ) Solid Waste Orphan Site Account program. The work is being conducted under an Intergovernmental Agreement (IGA) between the City of Ontario and the DEQ. The Phase II ESA was conducted in accordance with the Site-Specific Sampling and Analysis Plan (SAP) dated November 21, 2024 (Stantec, 2024) and approved by the DEQ on November 25, 2024.

1.1 Property Location and Background

The Property is located at 1901 Verde Drive in Ontario, Oregon (Malheur County Tax Lot 17S47E32DA01400) and is owned by the City of Ontario. The Property encompasses approximately 20 acres and is currently undeveloped. The Property location is shown on **Figure 1**, and a map of the Property layout, sampling locations, and approximate waste extent based on observations during this Phase II ESA is provided as **Figure 2**. A project photo log is provided as **Appendix A**.

Stantec's understanding is that the Property was formerly used for the disposal of household waste. Limited documentation is available regarding the nature and extent of the waste present on the Property. According to records of trenches dug on the Property in 1997, the waste materials extend from approximately 1 to 7.5 feet below ground surface (bgs). Based on the 1997 trenching, the area of waste disposal was estimated to be roughly 300 feet in diameter with an estimated volume of approximately 66,000 cubic yards.

1.2 Physical Setting

1.2.1 Property Topography and Surface Water Flow

The Property vicinity is predominantly flat and Property elevation is approximately 2,150 feet above mean sea level. The waste disposal area forms an elevated mound on the Property, with the highest areas of the mound approximately six to 10 feet above the vicinity ground level. Surface water would be anticipated to infiltrate the ground surface of Property.

1.2.2 Regional and Property Geology

Based on information obtained from the US Department of Agriculture (USDA) Natural Resources Conservation Service Web Soil Survey online database, the Property is mapped as Umapine Silt Loam. This soil is somewhat poorly drained and has moderately low runoff potential. Water transmission through the soil is impeded by an underlying soil unit.

The uppermost geologic unit is mapped as stream derived deposits of Holocene to Late Pleistocene age. This unit consists of unconsolidated alluvial materials including sand, silt, gravel, cobbles and clay (Feeney, McClaughry, Ferns, and Barton, 2023). The Blue Mountains are the primary mountain chain in

the Ontario area and consist of a complex island-arc terrane that was accreted to ancient North America in the late Mesozoic Era, of a large batholith that was intruded after accretion, and of overlying Cenozoic volcanic rocks that were subsequently uplifted and partly stripped off the older rocks by erosion (USGS, 1994).

1.2.3 Regional and Property Hydrogeology

Water level measurements collected from monitoring wells installed during this Phase II ESA identified first encountered groundwater depths of approximately 6 to 8 feet bgs. The nearest surface water body is the Malheur River which is located approximately 1,000 feet to the northwest which flows northeastward, joining the Snake River approximately one mile northeast of the Property. Based on groundwater measurements collected during this Phase II ESA and the surrounding topography which is flat between the Property and the Malheur River to the north and the Snake River to the east, localized shallow groundwater flow direction may vary from the northeast to the southeast. Groundwater contour maps generated using the limited groundwater data collected during this Phase II ESA are provided as **Figures 3** and **4**.

1.3 Phase II ESA Purpose

The primary purpose of the Phase II ESA was to evaluate whether a release from the landfill may threaten potential receptors and/or must be addressed to support future Property development and use. Phase II ESA objectives are summarized below:

- Evaluate whether soil gas, soil, or groundwater contamination (if present) may impact human health or the environment.
- Evaluate the lateral and vertical extent of the landfill debris via test pits and with a geophysical survey.

1.4 Conceptual Site Model

The Conceptual Site Model (CSM) for the Property is described below.

1.4.1 Beneficial Water Use

The Property is currently vacant. Water is supplied to the Property area by the City of Ontario; however, the Oregon Water Resources Department well log database includes multiple domestic water supply wells in the Property vicinity. Well logs for these offsite domestic wells indicate they are sealed to depths ranging from 18 to 29 feet bgs.

1.4.2 Land Use Determination

The Property is zoned for use as a public facility (PF-UGA). The Property is currently undeveloped and surrounding properties are a mix of commercial, light industrial, agricultural, and residential. Future Property use has not been determined but park use is being considered.

1.4.3 Receptor Evaluation

Based on the Property zoning, current vicinity uses, and potential future park development, potential future receptors on the Property and current receptors in the vicinity include park users, commercial/industrial workers, residential, and construction and excavation workers.

1.4.4 Exposure Pathway Evaluation

Based on Property zoning and connection to a municipal drinking water source, the following exposure pathways may be complete during and after Property redevelopment.

Soil – Ingestion, Dermal Contact, and Inhalation: This exposure pathway is considered potentially complete for future Property users and construction and excavation workers and will be evaluated by collecting and analyzing soil samples.

Soil – Volatilization to Outdoor Air: This exposure pathway is considered potentially complete for future Property users and will be evaluated by collecting soil samples for analysis of volatile contaminants.

Groundwater – Volatilization to Outdoor Air, Vapor Intrusion into Buildings: This exposure pathway is considered potentially complete for future Property users and will be evaluated by collecting groundwater and soil vapor samples for analysis of volatile contaminants.

Groundwater Ingestion and Inhalation from Tapwater: Groundwater is provided to the Property vicinity by the City of Ontario; therefore, it is not considered likely that groundwater would be accessed for drinking water at the Property. This exposure pathway will be evaluated due to the uncertain future use of the Property and based on surrounding land use which includes residential development and records of domestic wells.

Groundwater in Excavation: This pathway is considered potentially complete for construction and excavation workers and will be evaluated by collecting groundwater samples.

Soil Vapor - Volatilization to Outdoor Air, Vapor Intrusion into Buildings: This pathway is considered potentially complete for future Property users and will be evaluated by collecting soil vapor samples.

1.4.5 Screening Values

Sampling data was compared to the following DEQ Risk-Based Concentrations (RBCs) revised May 2018 and amended August 2023.

- Soil RBCs for ingestion, dermal contact, and inhalation – residential, occupational, construction worker, and excavation worker;
- Soil RBCs for volatilization to outdoor air – residential and occupational;
- Groundwater RBCs for volatilization to outdoor air and vapor intrusion – residential and occupational;
- Groundwater RBCs for groundwater in excavation – construction and excavation worker;
- Groundwater RBCs for ingestion and inhalation from tapwater – residential and occupational; and

- Chronic vapor intrusion RBCs – residential and occupational.

2 Pre-Field Activities

2.1 Utility Clearance

Prior to initiating subsurface investigation activities at the Property, Stantec contacted the Oregon Utility Notification Center to request a public underground utility locate. In addition, a private utility locating contractor was retained to scan the proposed boring and test pit locations for potential subsurface utilities prior to advancement. This work was completed to reduce the risk of damaging buried infrastructure during the investigation and to evaluate the extent of the landfill debris in the area.

2.2 Health and Safety

Stantec prepared a Site-Specific Health and Safety Plan (HASP) in accordance with 40 Code of Federal Regulations (CFR) 1910.120. The HASP outlined procedures for safe execution of field activities, including landfill gas monitoring, soil and groundwater sampling, and personal protective equipment requirements. At the beginning of each field day, a tailgate safety meeting was conducted with all personnel on-site to review potential hazards, confirm emergency procedures, and discuss the planned scope of work.

3 Field Activities

Two field sampling events were held to evaluate Property conditions during the wet season (March 2025) and the dry season (August 2025). Sampling methods are described in the following subsections.

3.1 Landfill Spatial Extent Survey

Geophysical Survey

Stantec contracted with Ground Penetrating Radar Systems, LLC (GPRS) out of their Boise Idaho office to conduct a geophysical survey to evaluate the lateral extent of the waste material. The GPRS survey in March 2025 estimated lateral extent of the waste material, which corresponded to the edges of an elevated mound in the central area of the Property. The highest point of the mound (center of the mound) was approximately six to 10 feet above the vicinity ground level. The GPRS report is provided in **Appendix B.** The approximate lateral extent of the waste material is shown on **Figure 2**.

Test Pit Observations and Soil Sampling

Stantec further evaluated the waste extent by excavating 10 test pits in and around the estimated edges of the mounded area. Ten test pits measuring approximately 2 feet by 5-6 feet were excavated in and near the edges of the estimated area of waste material during the March field event. Excavations extended to the base of observed waste materials, to a maximum depth of approximately 10 feet below the highest point of the mound. Test pit locations are shown on **Figure 2**. Photoionization detector (PID) readings were collected at each test pit and ranged from 0.1 to 0.4 parts per million (ppm). No field indications of contamination (e.g., staining, odors, elevated PID readings) was observed in the test pits.

Debris that appeared to be degraded household waste comprised approximately 15-30% of the mounded material. The remaining 70-85% of material was a light brown silt with minor amounts of sand, gravel, and cobbles. Trace amounts of brick, metal debris, and possible ash material were also present in some locations. The thickness of the material in the central area of the mound was approximately 6-7.5 feet above the vicinity ground surface. Native material below the waste was a light brown silt material similar to native soils observed outside of the mound footprint. Observations made during test pitting are summarized below.

Test Pit ID	Pit Location	Total Depth	Observations	PID Readings
1	NE edge of waste area	5 feet	0-5 feet: native silt and sand No waste observed	0.3 ppm at 5 feet
2	North edge of waste area	7 feet	0-3 feet: silt with no waste 3-6 feet: silt with waste material 6-7 feet: silt with no waste	0.2 ppm at 2 feet; 0.2 ppm at 6 feet
3	NW edge of waste area	5 feet	0-5 feet: mostly native silt with waste material observed at 2 feet Perched groundwater at 4.5 feet	0.3 ppm at 5 feet

4	Within northern waste area	9 feet	0-8.5 feet: approximately 70% soil/rocks, 30% waste	0.2 ppm at 2 feet; 0.2 ppm at 8.5 feet (Soil sample collected 8 feet)
5	Within northern waste area	10.5 feet	0-2.5 feet: cobbly sand 2.5-10 feet: soil and waste 10-10.5 feet: native silt	0.2 ppm at 8 feet
6	Within southeastern waste area	7 feet	0-6 inches: Cobbly silt and sand with trace waste material 6 inches-6.5 feet: Soil and waste 6.5-7 feet: native silt	0.3 ppm at 2 feet 0.3 ppm at 6.5 feet
7	SE edge of waste area	7 feet	0-6.5 feet: cobbly silt/sand with minimal waste 6.5-7 feet: native silt	0.3 ppm at 2 feet 0.4 ppm at 7 feet
8	South of waste area	6.5 feet	0-6.5 feet: native silt Perched groundwater at 6 feet	0.3 ppm at 2 feet 0.5 ppm at 6 feet
9	Within southern waste area	6 feet	0-6 feet: sandy silt with waste material Moisture at 6 feet	0.2 ppm at 2 feet 0.1 ppm at 6 feet
10	Western edge of waste area	8 feet	0-4 feet: silt and waste materials 4-8 feet: Native silt	0.2 ppm at 2 feet 0.2 ppm at 6 feet

Waste materials were observed in each test pit except for test pits 1 (northeast of waste area) and 8 (south of waste area). The depth of waste materials observed generally ranged from approximately 6 feet to 10 feet below the top of the waste mound with the greatest depth observed in test pit 5 in the northern area of the waste mound. Waste materials observed were predominantly glass with some brick, wire, and ash. One soil sample was collected from test pit 4 at a depth of 8 feet bgs (TP04-8) and submitted to the laboratory for analysis of US Resource Conservation and Recovery Act (RCRA) 8 metals.

3.2 Surface Soil Sampling

Surface materials observed during test pitting comprised silt and sand with waste materials noted at the ground surface in test pits 3, 4, 6, 7, 9, and 10. One eight-point composite soil sample was collected from the depth interval of 0-1 foot below the top of the mound (OLF-COMP-1). The soil sample was placed on ice immediately following collection and transported to Apex Labs in Tigard Oregon under chain-of-custody procedures. Upon arrival, samples were logged into the laboratory's system for appropriate handling and tracking. Analytical testing methods requested consisted of:

- Total Petroleum Hydrocarbons (TPH) as gasoline-range organics (GRO), and diesel- and residual-range organics (DRO and RRO) by NWTPH-Gx and NWTPH-Dx, respectively;
- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (EPA) Method 8260D (using EPA Method 5035 for field preservation);
- Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270C SIM (selective ion monitoring) (only if DRO was detected); and
- RCRA 8 Metals by EPA Methods 6020/7471.

3.3 Groundwater Sampling

Four groundwater monitoring wells (OLF-MW-01 through OLF-MW-04) were installed using direct-push technology. The wells were advanced to depths up to 15 feet bgs, targeting the uppermost saturated zone. The flush-mount wells were constructed of 2-inch PVC casing and 10 feet of pre-slotted and pre-sand-packed screen with a 10–20 silica sand filter pack. Boring logs, monitoring well as-builts, and groundwater sampling field forms are provided in **Appendix C**.

Groundwater samples were collected during the March and August 2025 field events. Following a 24-hour stabilization period following installation, each well was developed and purged using low-flow techniques. Groundwater field parameters consisting of pH, temperature, dissolved oxygen (DO), conductivity, oxidation reduction potential (ORP), and turbidity were recorded. Groundwater was measured at approximately 6 to 8 feet bgs. One sample was collected from each well during each sampling event and submitted to Apex Labs for laboratory analysis of the following:

- TPH as GRO and DRO/RRO by NWTPH-Gx and NWTPH-Dx;
- VOCs by EPA Method 8260D;
- PAHs by EPA Method 8270C SIM (if TPH-Dx was detected); and
- Total RCRA 8 Metals by EPA Methods 6020/7471.

3.4 Soil Vapor Evaluation

Three temporary soil vapor probes (SV01 to SV03) were installed and sampled during each field event to evaluate potential vapor intrusion and outdoor vapor exposure pathways. Each probe was installed using direct-push drilling equipment to approximately 4-5 feet bgs. Vapor probes were constructed using stainless steel inlets connected to Teflon® or Nylaflow® tubing, placed in a sand pack with bentonite seal above. Vapor probe as-builts and sampling forms are provided in **Appendix D**.

After equilibration, each probe was purged (3 internal volumes) at a controlled rate below 200 milliliters per minute (mL/min) and leak-checked using both vacuum shut-in and helium tracer gas testing as described in the SAP. One primary sample was collected at each location, and one duplicate sample was collected at one location using batch-certified 1-liter Summa™ canisters fitted with flow controllers.

Vapor samples were analyzed by a Eurofins-Air Toxics in Folsom, California for:

- VOCs by EPA Method TO-15
- Fixed gases (including helium, hydrogen, oxygen, carbon monoxide, carbon dioxide, methane, ethane, and ethylene) by ASTM Method D1946

Landfill gas was also monitored in the field using an MRU – OPTIMA 7 Biogas Landfill Analyzer at the three soil vapor probe locations and at 16 addition locations (SP01 to SP-16) using a bar-hole probe.

3.5 Investigative Derived Waste Management and Borehole Abandonment and Restoration

Following completion of environmental sampling after the second field event, each well was decommissioned in accordance with Oregon Water Resources Department standards for wells MW-3 and MW-4 via over-drilling and backfilling with bentonite. A variance was obtained for wells MW-1 and MW-2 to chip the wells in place after removing the well boxes.

Soil cuttings and decontamination/purge water generated during drilling activities were containerized in two labeled Department of Transportation-approved 55-gallon drums. Drums were staged in a secure location on the Property pending analysis and offsite disposal in accordance with applicable regulations.

4 Laboratory Testing Results

4.1 Soil

A soil sample from 8 feet bgs in test pit 4 (OLF-TP04-8), a surface soil composite sample (OLF-COMP-1), a field duplicate of the composite sample (OLF-COMP-DUP), and a sample collected for investigation-derived waste characterization (OLF-Drum-S [Native]) were submitted for laboratory analysis of VOCs (except OLF-TP04-8), TPH, and RCRA 8 metals. Analytical results were compared to applicable DEQ RBCs, DEQ-published background metals concentrations, and DEQ Clean Fill screening levels.

- Two VOCs (toluene and m,p-xylene) were detected in one (OLF-COMP-DUP) of the three soil samples. Both VOC concentrations were below DEQ Clean Fill screening values and RBCs.
- TPH GRO and DRO were not detected in the four samples analyzed. Low levels of RRO were detected in one soil sample (OLF-COMP-DUP). Neither Clean Fill screening values nor RBCs have been established for RRO.
- No metals were detected above RBCs in the surface soil composite sample or its duplicate. Lead was detected in these samples at concentrations above the clean fill standard indicating that soil will require special management if transported from the Property.
- Lead was detected in the sample from TP04 at a depth of 8 feet below the top of the waste material at a concentration above the DEQ residential direct contact RBC and the DEQ background concentration. However, due to the depth of this sample, the residential and occupational exposure pathways are considered incomplete. Therefore, this lead detection does not pose a risk to human health.

Soil analytical results are summarized in **Table 1.** Laboratory analytical reports are included in **Appendix E**.

4.2 Groundwater

Four primary and one duplicate groundwater samples were collected during each of the two field events.

- TPH GRO and DRO/RRO were not identified in groundwater at concentrations above reporting limits.
- The VOCs bromodichloromethane and chloroform were identified at concentrations above tapwater and residential vapor intrusion RBCs in MW03 and MW04 during the March sampling event but were not identified above laboratory detection limits during the August event. These two analytes are common drinking water treatment byproducts that are commonly detected in groundwater in an urban setting and therefore likely are not sourced from the landfill.
- Metals (arsenic and lead) were detected above the tapwater RBCs as summarized below.

- Lead exceeded the DEQ residential and occupational ingestion and inhalation of tapwater RBCs at monitoring well OLF-MW03 during the March event. During the August event the lead concentration at OLF-MW03 did not exceed the RBC.
- Arsenic concentrations at the four monitoring wells exceeded the residential and occupational ingestion and inhalation of tapwater RBC during both March and August events.

Groundwater analytical results are summarized in **Tables 2** and **3**. Laboratory analytical reports are included in **Appendix E**.

4.3 Soil Vapor and Landfill Gases

4.3.1 VOC Testing Results

Three soil vapor samples (SV01 to SV03) and one field duplicate were collected from temporary vapor probes to evaluate potential risks from vapor intrusion and outdoor exposure during both sampling events. In addition to laboratory data, field landfill gas data was measured using an MRU – OPTIMA 7 Biogas Landfill Analyzer at the three soil vapor probe locations and at 16 additional locations (SP01 to SP-16) using a bar-hole probe. Locations of soil vapor probes are shown on **Figure 2**.

VOCs were not identified in soil vapor at concentrations above DEQ chronic vapor intrusion soil vapor RBCs for residential or commercial use.

Soil vapor laboratory analytical results are summarized in **Table 4.** Laboratory analytical reports are included in **Appendix E**. Landfill gas analytical and field monitoring results are summarized in Table 5.

4.3.2 Helium Testing Results

Low levels ($\leq$0.5%) of helium were detected in soil vapor samples collected from soil vapor probe SV01 during both sampling events. This indicates a minor quantity of atmospheric leakage into vapor samples collected from this probe, but not at a sufficient quantity to invalidate testing results.

4.3.3 Landfill Gas Screening and Testing

Each bar-hole probe was screened for methane and other landfill gases on two occasions. Trace levels of methane (<0.1%) were measured in 8 of the 16 bar-hole probes. Methane was measured during both occasions in only one bar-hole probe (SP-16) at concentrations far below the lower explosive limit of 5%. In soil vapor samples submitted for laboratory analysis, methane was not detected. Hydrogen sulfide also was not detected in laboratory analyzed soil vapor samples but was measured at a concentration of 1 part per million in two of the 16 bar-hole probes. Oxygen concentrations indicate aerobic conditions at the Property, which are not conducive to methane or hydrogen sulfide generation. These sample results indicate a low potential for methane production, and therefore a negligible risk that methane might accumulate in off-Property buildings, or in Property buildings following redevelopment activities.

Soil vapor landfill gas analytical results are summarized in **Table 5**. Laboratory analytical reports are included in **Appendix E**.

5 QA/QC Sampling and Data Validation

To validate sampling results, the following quality assurance/quality control (QA/QC) samples were collected during this Phase II ESA:

- One field duplicate soil sample
- One field duplicate groundwater sample per event
- One field duplicate soil vapor sample per event
- One matrix spike/matrix spike duplicate (MS/MSD) soil sample
- One MS/MSD groundwater sample
- One equipment blank per event for decontaminated sampling equipment
- One trip blank per cooler containing groundwater samples for VOC analysis

Equipment blanks were prepared by rinsing decontaminated sampling equipment with laboratory-supplied or distilled water; one was submitted each event that equipment was reused. Trip blanks accompanied coolers containing groundwater samples for VOC analysis to assess potential cross contamination during transport.

All QA/QC samples were submitted to the project laboratory under standard chain-of-custody procedures.

6 Conclusions and Recommendations

Stantec completed a Phase II ESA of the property located at 1901 Verde Drive, Ontario, Oregon. Soil, groundwater, and soil vapor samples were collected. Our conclusions are as follows:

- Lead concentrations in soil samples collected from 1 foot bgs and at 8 feet bgs in the waste materials exceeded DEQ clean fill standards. Soil with lead concentrations above the clean fill standard must be handled in accordance with DEQ regulations if excavated and transported offsite.

- Lead was detected in soil collected from 8 feet bgs in test pit TP04 at a concentration above the residential direct contact RBC; however, residential receptors would not be expected to come into contact with soil deeper than 3 feet bgs. Lead did not exceed potentially applicable RBCs in the composite soil sample collected from 1 foot bgs. If residential use is planned on the Property, additional soil sampling is recommended to evaluate remediation and mitigation options.

- Arsenic was detected in groundwater at concentrations above residential and occupational tapwater RBCs in each sample collected. Lead was detected above the tapwater RBCs in one groundwater sample. As the groundwater samples were analyzed for total metal, these detections may be attributable to suspended sediment present in the groundwater samples; however, arsenic was not detected in soil samples at concentrations above the DEQ background concentration. It also is not clear to what extent the elevated arsenic and lead may be naturally occurring. Additional sampling is recommended if Property reuse plans include the use of groundwater.

- The VOCs bromodichloromethane and chloroform were detected in two of the four groundwater monitoring wells at concentrations above residential and occupational tapwater RBCs and residential vapor intrusion RBCs. Bromodichloromethane and chloroform are water treatment by-products commonly detected in groundwater in urban settings. It is unlikely that these detections are associated with the landfill. No additional action is recommended based on these detections.

- VOCs were not detected at concentrations above RBCs in the soil vapor samples submitted for laboratory analysis. Methane was not detected in the soil vapor samples submitted for laboratory analysis. Only sporadic and trace levels of methane were measured during the bar-hole survey completed at the Property. These results indicate a low potential for methane production, and therefore a negligible risk that methane might accumulate in off-Property buildings, or in Property buildings following redevelopment activities.

7 Limitations

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential liabilities associated with the identified property.

This report provides an evaluation of selected environmental conditions associated with the identified portion of the property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. There are no assurances regarding the accuracy and completeness of this information. All information received from the client or third parties in the preparation of this report has been assumed by Stantec to be correct. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

The conclusions are based on the site conditions encountered by Stantec at the time the work was performed at the specific testing and/or sampling locations, and conditions may vary among sampling locations. Factors such as areas of potential concern identified in previous studies, site conditions (e.g., utilities) and cost may have constrained the sampling locations used in this assessment. In addition, analysis has been carried out for only a limited number of chemical parameters, and it should not be inferred that other chemical species are not present. Due to the nature of the investigation and the limited data available, Stantec does not warrant against undiscovered environmental liabilities nor that the sampling results are indicative of the condition of the entire site. As the purpose of this report is to identify site conditions which may pose an environmental risk; the identification of non-environmental risks to structures or people on the property is beyond the scope of this assessment.

The opinions in this report can only be relied upon as they relate to the condition of the portion of the identified property that was assessed at the time the work was conducted. Activities at the Property subsequent to Stantec's assessment may have significantly altered the property's condition. Stantec cannot comment on other areas of the Property that were not assessed.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the property's environmental condition. This report should not be construed as legal advice.

8 References

Stantec, 2024. *Site-Specific Sampling and Analysis Plan for Phase II Environmental Site Assessment – Former Ontario Landfill Site, 1901 Verde Drive, Ontario, Oregon.* Prepared for the City of Ontario. Project No. 203724193. November 21, 2024.

Feeney, D.M., McClaughry, J.D., Ferns, M.L., and Barton, M.D., 2023. *Geologic Map of the Payette Quadrangle, Payette County, Idaho, and Malheur County, Oregon.* Digital Web Map 215. Idaho Geological Survey.

U.S. Department of Agriculture, Natural Resources Conservation Service. *Web Soil Survey.* Available at: http://websoilsurvey.sc.egov.usda.gov/App/.

U.S. Geological Survey, 1994, Geology of the Blue Mountains Region of Oregon, Idaho, and Washington, Professional Paper 1439, 1994.

Oregon Department of Environmental Quality, 2024. *Solid Waste Orphan Site Account Application – Former Ontario City Dump.* Submitted by the City of Ontario. October 2024

TABLES

TABLE 1
Soil Sample Analytical Results - Metals, VOCs, and TPH
Former Ontario Landfill
1901 Verde Drive
Ontario, Oregon

Sample Location	Date Sampled	Metals							
		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
OLF-TP04-8	3/19/2025	**7.18**	**476**	**3.69**	**39.2**	**551**	0.115 U	1.44 U	**0.729**
OLF-COMP-1	8/13/2025	**4.18**	**190**	**1.18**	**10.4**	**46.8**	**0.278**	1.04 U	0.208 U
OLF-COMP-DUP (Dup of OLF-COMP-1)	8/13/2025	**4.02**	**174**	**1.07**	**11.2**	**48.1**	**0.272**	1.09 U	0.218 U
OLF-Drum-S (Native)	3/20/2025	**4.51**	**290**	0.288 U	**12.5**	**5.94**	0.155 U	1.44 U	0.288 U
Clean Fill/Background Screening Values (Owyhee Uplands)		17	970	NA	120	30	0.75	0.5	2.20
Residential Direct Contact RBC		0.43	15,000	78	120,000	400	23	NA	390
Occupational Direct Contact RBC		1.9	220,000	1,100	>Max	800	350	NA	5,800
Construction Worker Direct Contact RBC		15	69,000	350	530,000	800	110	NA	1,800
Excavation Worker Direct Contact RBC		420	NA	9,700	NA	800	2,900	NA	49,000
Residential Volatilization to Outdoor Air RBC		NV	NV	NV	NV	NV	NV	NV	NV
Occupational Volatilization to Outdoor Air RBC		NV	NV	NV	NV	NV	NV	NV	NV

Notes:
All results expressed as milligrams per kilogram
Only VOCs and TPH that were detected are included herein
bold = indicates concentrations detected above method detection limits
shaded gray = indicates concentration exceeds background or clean fill screening value
shaded yellow = indicates concentration exceeds background and one or more RBCs
DUP = field duplicate
NA = Not Available, no screening value is listed for this analyte.
NV = Not Volatile

U = Not detected above the reported value
-- = Not analyzed

Clean Fill/Background Screening Values, Oregon DEQ April 2019 revision
RBCs = Oregon DEQ Risk-Based Concentrations, April 2023 revision

TABLE 2
Groundwater Sample Analytical Results - TPH, VOCs
Former Ontario Landfill
1901 Verde Drive
Ontario, Oregon

Sample Location	Date Sampled	DRO (mg/L)	RRO (mg/L)	GRO (mg/L)	Bromodichloro-methane	Bromoform	Chloroform	Dibromochloro-methane	Choromethane
OLF-MW01	3/20/2025				0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00500 U
OLF-MW01	8/12/2025				0.00100 U	0.00100 U	0.00100 U	0.00100 U	**0.00508**
OLF-MW-dup (Dup of MW01)	8/12/2025				0.00100 U	0.00100 U	0.00100 U	0.00100 U	**0.00669**
OLF-MW02	3/20/2025				0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00500 U
OLF-MW-dup (Dup of MW02)	3/20/2025				0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00500 U
OLF-MW02	8/12/2025				0.00100 U	0.00100 U	0.00100 U	0.00100 U	**0.0189**
OLF-MW03	3/20/2025	**Not Detected**	**Not Detected**	**Not Detected**	**0.00413**	**0.00112**	**0.00336**	**0.00436**	0.00500 U
OLF-MW03	8/12/2025				0.00100 U	0.00100 U	0.00100 U	0.00100 U	**0.0175**
OLF-MW04	3/21/2025				**0.00162**	0.00100 U	**0.00178**	**0.00153**	0.00500 U
OLF-MW04	8/12/2025				0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00500 U
EB-032025 (Equipment Blank)	3/20/2025				0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00500 U
EB-081225 (Equipment Blank)	8/12/2025				0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00500 U
OLF-TB1 (Trip Blank)	3/20/2025	--	--	--	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00500 U
OLF-081225 (Trip Blank)	8/12/2025	--	--	--	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00500 U
Residential Ingestion and Inhalation of Tapwater		0.100	NA	0.110	0.00013	0.0033	0.00022	NA	190
Occupational Ingestion and Inhalation of Tapwater		0.430	NA	0.450	0.0006	0.016	0.00098	NA	790
Residential Vapor Intrusion into Buildings RBC		>S	NA	0.120	0.0016	0.250	0.0014	NA	440,000
Occupational Vapor Intrusion into Buildings RBC		>S	NA	0.520	0.0069	1.100	0.0059	NA	1,800,000
Residential Volatilization to Outdoor Air RBC		>S	NA	>S	1,400	130,000	1,400	NA	440,000
Occupational Volatilization to Outdoor Air RBC		>S	NA	>S	3,200	300,000	3,400	NA	440,000
Groundwater in Excavation RBC		>S	NA	14.000	0.450	14.000	0.720	NA	22,000

Notes:
All results expressed as micrograms per liter unless otherwise indicated
mg/L = milligrams per liter
bold = indicates concentrations detected above method detection limits
shaded yellow = indicates concentration exceeds one or more potentially applicable RBCs
DUP = field duplicate
NA = Not Available, no screening value is listed for this analyte
NP = Not provided as no analytes within this analyte suite were detected
>S = This groundwater RBC exceeds the solubility limit. Groundwater concentrations in excess of S indicate that free product may be present.
-- = Not analyzed
J = The result is an estimated value as concentration detected is between method detection limit and reporting limit
U = Not detected above the reported method detection limit

RBCs = Oregon DEQ Risk-Based Concentrations, August 2023 revision
Chronic and Acute Vapor Intrusion Risk-Based Concentrations, March 2024

TABLE 3
Groundwater Sample Analytical Results - Total Metals
Former Ontario Landfill
1901 Verde Drive
Ontario, Oregon

Sample Location	Date Sampled	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
OLF-MW01	3/20/2025	**26.3**	**224**	**0.248**	**12.50**	**4.36**	0.0800 U	**21.4**	0.200 U
OLF-MW01	8/12/2025	**42.9**	**110**	0.200 U	**2.18**	**0.618**	0.0800 U	**12.9**	0.200 U
OLF-MW-dup (Dup of MW01)	8/12/2025	**42.7**	**108**	0.200 U	**2.31**	**1.59**	0.0800 U	**12.7**	0.200 U
OLF-MW02	3/20/2025	**82.9**	**302**	**0.615**	**53.6**	**14.3**	**0.129**	**9.24**	0.200 U
OLF-MW-dup (Dup of MW02)	3/20/2025	**87.5**	**329**	**0.631**	**61.2**	**14.9**	**0.143**	**10.2**	0.200 U
OLF-MW02	8/12/2025	**75.9**	**21**	0.200 U	**3.34**	**0.597**	0.0800 U	**9.43**	0.200 U
OLF-MW03	3/20/2025	**95.7**	**2200**	**3.01**	**292**	**60.3**	**0.318**	**11.8**	**0.414**
OLF-MW03	8/12/2025	**37.9**	**42**	0.200 U	**2.72**	**1.47**	0.0800 U	**10.6**	0.200 U
OLF-MW04	3/21/2025	**166**	**248**	**0.246**	**21.7**	**5.60**	0.0800 U	**11.2**	0.200 U
OLF-MW04	8/12/2025	**125**	**55.4**	0.200 U	**2.35**	**1.04**	0.0800 U	**13.3**	0.200 U
EB-032025	3/20/2025	1.00 U	2.00 U	0.200 U	2.00 U	0.200 U	0.0800 U	1.00 U	0.200 U
EB-081225	8/12/2025	1.00 U	2.00 U	0.200 U	2.00 U	0.200 U	0.0800 U	1.00 U	0.200 U
OLF-TB1 (Trip Blank)	3/20/2025	NA	NA	NA	NA	NA	NA	NA	NA
OLF-TB1 (Trip Blank)	8/12/2025	NA	NA	NA	NA	NA	NA	NA	NA
Residential Ingestion and Inhalation of Tapwater		0.052	4000.0	20.0	30000.0	15.0	6.0	NA	100
Occupational Ingestion and Inhalation of Tapwater		0.31	33000.0	160	250000.0	15.0	49.0	NA	820
Groundwater in Excavation RBC		6,300	>S	130,000	>S	>S	>S	NA	1,100,000

Notes:
All results expressed as micrograms per liter
All results are total metals unless sample location is flagged with a *, which are dissolved metals
bold = indicates concentrations detected above method detection limits
shaded yellow = indicates concentration exceeds one or more potentially applicable RBC
NA = Not Available and/or Not Analized, no screening value is listed for this analyte.
>S = This groundwater RBC exceeds the solubility limit. Groundwater concentrations in excess of S indicate that free product may be present.
U = Not detected above the reported method detection limit

RBCs = Oregon DEQ Risk-Based Concentrations, August 2023 revision

TABLE 4
Soil Vapor Sample Analytical Results - Detected Volatile Organic Compounds
Former Ontario Landfill
1901 Verde Drive
Ontario, Oregon

Sample Location	Matrix	Date Sampled	2-Butanone	Hexane	Chloro-methane	Bromo-methane	Ethanol	Acetone	4-Methyl-2-pentanone	Tetrachloro-ethene	2-Hexanone	2-Propanol	Ethyl-benzene	m,p-Xylene	o-Xylene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene
OLF-SV01	SV	3/19/2025	52 U	16 U	91 U	170 U	83 UJ	100 U	18 U	30 U	72 U	43 U	19 U	38 U	19 U	22 U	22 U
OLF-SV01	SV	8/13/2025	**75**	4.5 U	**56**	50 U	24 U	**42**	5.3 U	6.9 U	21 U	13 U	**6.0**	**19**	**7.0**	**8.8**	**25**
OLF-SV-DUP, Dup of SV01	SV	8/13/2025	**60**	4.4 U	**47**	49 U	24 U	**42**	5.2 U	8.5 U	21 U	12 U	5.5 U	**14**	**5.5**	**7.2**	**20**
OLF-SV02	SV	3/19/2025	**28**	3.8 U	22 U	42 U	20 UJ	26 U	4.4 U	7.4 U	18 U	11 U	4.7 U	9.4 U	4.7 U	5.3 U	5.3 U
OLF-SV-DUP, Dup of SV02	SV	3/19/2025	**33**	3.7 U	22 U	41 U	20 UJ	25 U	4.3 U	7.2 U	17 U	10 U	4.6 U	9.2 U	4.6 U	5.2 U	5.2 U
OLF-SV02	SV	8/13/2025	**46**	4.2 U	**250**	**85**	22 U	**280**	4.9 U	8.1 U	19 U	**44**	5.2 U	10 U	5.2 U	5.8 U	5.8 U
OLF-SV03	SV	3/19/2025	**18**	**3.8**	22 U	40 U	20 UJ	25 U	4.3 U	7.1 U	17 U	10 U	4.5 U	9.1 U	4.5 U	5.1 U	5.1 U
OLF-SV03	SV	8/13/2025	**340**	4.1 U	24 U	45 U	**60**	**290**	**5.3**	**8.4**	**31**	**48**	5.1 U	10 U	5.1 U	5.8U	5.8U
Acute Vapor Intrusion Soil Vapor RBC - Residential			170,000	NA	33,000	130,000	NA	2,100,000	NA	1,400	NA	NA	730,000	NA	NA	NA	NA
Acute Vapor Intrusion Soil Vapor RBC - Commercial			500,000	NA	100,000	400,000	NA	6,300,000	NA	4,000	NA	NA	2,200,000	NA	NA	NA	NA
Chronic Vapor Intrusion Soil Vapor RBC - Residential			170,000	24,000	3,100	170	NA	NA	100,000	360	1,000	NA	37	3,500	3,500	2,100	2,100
Chronic Vapor Intrusion Soil Vapor RBC - Commercial			730,000	100,000	13,000	730	NA	NA	440,00	1,600	4,400	NA	160	15,000	15,000	8,800	8,800

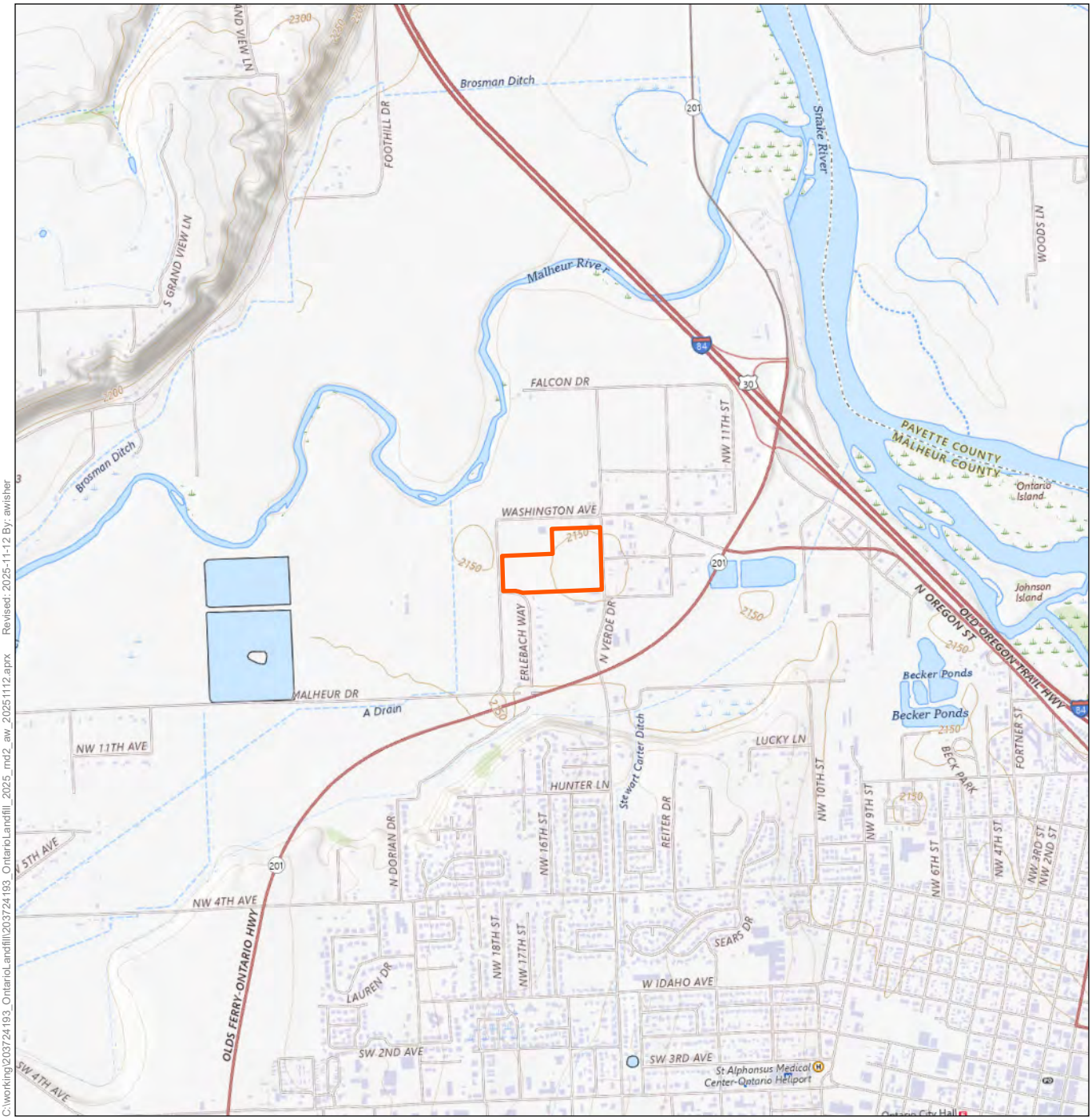
Notes:
All results expressed as micrograms per cubic meter
Additional analytes not included in this table were reported as non-detect for all samples
bold = indicates concentrations detected above method detection limits
Dup = field duplicate
NA = Not Available, no screening value is published for this analyte.
J = The result is an estimated value; "+" indicates a potential high bias and "-" indicates a potential low bias.
U = Not detected above the reported value
RBCs = Chronic and Acute Vapor intrusion Risk-Based Concentrations, March 2024
SV = Soil Vapor

TABLE 5
Soil Vapor Sample Field Monitoring Results - Landfill Gases
Former Ontario Landfill
1901 Verde Drive
Ontario, Oregon

Sample Location	Measurement/ Sample Depth (feet)	Date	Oxygen (Field) %	Oxygen (Lab) %	Nitrogen (Field) %	Nitrogen (Lab) %	Carbon Dioxide (Field) %	Carbon Dioxide (Lab) %	Methane (Field) %	Methane (Lab) %	Carbon Monoxide (Lab) %	Ethane (Lab) %	Ethene (Lab) %	Hydrogen (Lab) %	Helium (Lab) %	Hydrogen Sulfide (Field) PPM
Soil Gas Vapor Point and Lab Data																
OLF-SV01	4	3/19/2025	**16.69**	**21**	**83.10**	**79**	**0.12**	**0.23**	**0.01**	0.00022 U	0.022 U	0.0022 U	0.0022 U	0.022 U	**0.48**	NA
OLF-SV01	4	8/13/2025	**18.19**	**20**	**80.70**	**79**	**1.22**	**1.4**	**0.00**	0.00026 U	0.026 U	0.0026 U	0.0026 U	0.026 U	**0.50**	NA
OLF-SV-dup, Dup of SV01	4	8/13/2025	**18.19**	**20**	**80.70**	**78**	**1.22**	**1.1**	**0.00**	0.00025 U	0.025 U	0.0025 U	0.0025 U	0.025 U	**0.39**	NA
OLF-SV02	4.5	3/19/2025	**20.47**	**21**	**79.32**	**79**	**0.19**	**0.23**	**0.00**	0.00022 U	0.022 U	0.0022 U	0.0022 U	0.022 U	0.11 U	NA
OLF-SV02	4.5	8/13/2025	**19.40**	**20**	**79.34**	**79**	**1.26**	**1.4**	**0.00**	0.00024 U	0.024 U	0.0024 U	0.0024 U	0.024 U	0.12 U	NA
OLF-SV-DUP, Dup of SV02	4.5	3/19/2025	**20.47**	21	**79.32**	**79**	**0.19**	**0.23**	**0.00**	0.00021 U	0.021 U	0.0021 U	0.0021 U	0.021 U	0.11 U	NA
OLF-SV03	4	3/19/2025	**18.41**	**19**	**81.51**	**81**	**0.11**	**0.16**	**0.00**	0.00021 U	0.021 U	0.0021 U	0.0021 U	0.021 U	0.10 U	NA
OLF-SV03	4	8/13/2025	**18.83**	**20**	**79.27**	**78**	**1.96**	**2.2**	**0.00**	0.00023 U	0.023 U	0.0023 U	0.0023 U	0.023 U	0.12 U	NA
Bar-Hole Probe with GEM 2000 Gas Meter Field Data																
SP-1	1	3/17/2025	**21.04**	--	**78.91**	--	**0.05**	--	**0.00**	--	**--**	**--**	**--**	**--**	**--**	0
SP-1	2	8/14/2025	**20.15**	--	**79.75**	--	**0.11**	--	**0.00**	--	**--**	**--**	**--**	**--**	**--**	0
SP-2	2	3/17/2025	**20.43**	--	**79.37**	**--**	**0.15**	--	**0.04**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-2	1.8	8/14/2025	**19.71**	--	**80.24**	**--**	**0.06**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-3	1.2	3/17/2025	**20.60**	--	**79.35**	**--**	**0.04**	--	**0.01**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-3	1	8/14/2025	**19.36**	--	**80.45**	**--**	**0.21**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-4	1	3/17/2025	**20.02**	--	**79.94**	**--**	**0.03**	--	**0.01**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-4	2	8/14/2025	**19.26**	--	**80.63**	**--**	**0.12**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-5	1.2	3/17/2025	**19.11**	--	**80.80**	**--**	**0.05**	--	**0.06**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-5	3	8/14/2025	**19.40**	--	**80.54**	**--**	**0.11**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-6	1.8	3/17/2025	**20.90**	--	**78.93**	**--**	**0.16**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-6	1	8/14/2025	**19.45**	--	**80.43**	**--**	**0.11**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-7	2.3	3/17/2025	**21.04**	--	**78.75**	**--**	**0.20**	--	**0.03**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-7	3.5	8/14/2025	**19.47**	--	**80.35**	**--**	**0.23**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-8	1.5	3/17/2025	**21.04**	--	**78.77**	**--**	**0.19**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-8	1.5	8/14/2025	**19.35**	--	**80.45**	**--**	**0.20**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-9	1	3/17/2025	**21.04**	--	**78.92**	**--**	**0.04**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-9	1.5	8/14/2025	**18.87**	--	**80.73**	**--**	**0.41**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-10	2.8	3/17/2025	**21.04**	--	**78.93**	**--**	**0.03**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-10	1	8/14/2025	**19.10**	--	**80.76**	**--**	**0.16**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-11	1.8	3/17/2025	**18.09**	--	**79.90**	**--**	**2.00***	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-11	1.5	8/14/2025	**18.97**	--	**80.31**	**--**	**0.72**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-12	3.7	3/17/2025	**20.77**	--	**78.85**	**--**	**0.37**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	1
SP-12	1.5	8/14/2025	**19.79**	--	**80.04**	**--**	**0.17**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-13	2	3/17/2025	**21.04**	--	**78.89**	**--**	**0.06**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	1
SP-13	2	8/14/2025	**18.77**	--	**80.14**	**--**	**1.09**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	1
SP-14	2.5	3/17/2025	**20.68**	--	**79.25**	**--**	**0.04**	--	**0.03**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-14	1.5	8/14/2025	**18.61**	--	**81.31**	**--**	**0.08**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-15	1	3/17/2025	**21.04**	--	**78.88**	**--**	**0.04**	--	**0.03**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-15	1.5	8/14/2025	**19.25**	--	**80.72**	**--**	**0.04**	--	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-16	2	3/17/2025	**21.04**	--	**78.88**	**--**	**0.05**	--	**0.04**	**--**	**--**	**--**	**--**	**--**	**--**	0
SP-16	2	8/14/2025	**19.57**	--	**80.46**	**--**	**0.02**	--	**0.01**	**--**	**--**	**--**	**--**	**--**	**--**	0

Notes:
Additional analytes not included in this table were reported as non-detect for all samples
bold = indicates concentrations detected above method detection limits
Dup= field duplicate
NA = Not analyzed
U = Not detected above the reported value
SV = Soil Vapor Points
SP = Soild Vapor Bar Probe
-- = not measured

FIGURES



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Project Boundary

0 1,200 2,400 Feet

(At original document size of 8.5x11)
1:24,000

N

Stantec

Project Location
1901 Verde Drive
Ontario, Malheur County, Oregon

Client/Project 203724193
City of Ontario
Former Landfill

Title
Property Location Map

Figure No.
1

Notes
1. Coordinate System: NAD 1983 StatePlane Oregon South FIPS 3602 Feet
2. Data Sources: Stantec 2024
3. Background: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information. Data refreshed October 27, 2025., Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, USGS

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Approximate Landfill Boundary
Monitoring Well Location
Soil Gas Probe Location
Soil Vapor Location
Test Pit Location
Debris noted in Soil Description
Elevation Contours (2 foot interval)
Project Boundary

0 150 300 Feet
(At original document size of 8.5x11)
1:2,500

N

Stantec

Project Location
1901 Verde Drive
Ontario, Malheur County, Oregon

Client/Project 203724193
City of Ontario
Ontario Landfill

Title
Site Location Map

Figure No.
2

Notes
1. Coordinate System: NAD 1983 StatePlane Oregon South FIPS 3602 Feet
2. Data Sources: Stantec 2024
3. Background: © OpenStreetMap (and) contributors, CC-BY-SA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Monitoring Well Location

3.14 Adjusted DTW Based on Elevation Survey

Project Area

Groundwater Contour and Flow direction (3-20-2025)

Stantec

Project Location
1901 Verde Drive
Ontario, Malheur County, Oregon

Client/Project 203724193
City of Ontario
Ontario Landfill

Notes
1. Coordinate System: NAD 1983 StatePlane Oregon South FIPS 3602 Feet
2. Data Sources: Stantec 2024
3. Background: © OpenStreetMap (and) contributors, CC-BY-SA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Title
Groundwater Contour Map and Flow Direction March 2025

Figure No.
4

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Monitoring Well Location

6.68 Adjusted DTW Based on Elevation Survey

Project Area

Groundwater Contour and Flow direction (8-12-2025)

Stantec

Project Location
1901 Verde Drive
Ontario, Malheur County, Oregon

Client/Project 203724193
City of Ontario
Ontario Landfill

Notes
1. Coordinate System: NAD 1983 StatePlane Oregon South FIPS 3602 Feet
2. Data Sources: Stantec 2024
3. Background: © OpenStreetMap (and) contributors, CC-BY-SA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Title
Groundwater Contour Map and Flow Direction August 2025

Figure No.
3

APPENDIX A

Stantec Consulting Services Inc.
Photographic Record

Client: City of Ontario	**Project Number:** 203724193	**Date:** March 19, 2025
Facility Name: Former Ontario Landfill Site	**Property Location:** 1901 Verde Drive, Ontario, OR	

Photographer:
Dana Hutchins

Direction:
East

Comments:
Photo 1, Test Pit 1
View of completed test pit 1 located in the NE corner of the site just off the landfill mound. All native 90%silt, 5% fine sand, 5% gravel. PID at 3' is 0.3ppm. No Trash, No Sample

Photographer:
Dana Hutchins

Direction:
West

Comments:
Photo 2, Test Pit 2
View of completed test pit 2 located on north edge of landfill mound. 0-3 feet native silt(cap), 3-6 feet silt with debris containing 50% glass bottles 50% soil. PID at 2' and 6' is 0.2ppm. 6-7 feet native silt.

Stantec Consulting Services Inc.
Photographic Record

Client: City of Ontario	**Project Number:** 203724193	**Date:** March 19, 2025
Facility Name: Former Ontario Landfill Site	**Property Location:** 1901 Verde Drive, Ontario, OR	

Photographer:
Dana Hutchins

Direction:
Southeast

Comments:
Photo 3, Test Pit 2
View of soil and debris stockpile from test pit 2. Only recognizable trash is glass.

Photographer:
Dana Hutchins

Direction:
Northeast

Comments:
Photo 4, Test Pit 3
View of test pit 3 located just off landfill mound on the northwest side.

Stantec Consulting Services Inc.
Photographic Record

Client: City of Ontario	**Project Number:** 203724193	**Date:** March 19, 2025
Facility Name: Former Ontario Landfill Site	**Property Location:** 1901 Verde Drive, Ontario, OR	

Photographer:
Dana Hutchins

Direction:
North

Comments:
Photo 5, Test Pit 3
View of test pit 3 located just off landfill mound on the northwest side. Water at 4.5'. PID at 3' was 0.3ppm. Native Silt with trace debris near surface.

Photographer:
Dana Hutchins

Direction:
Southeast

Comments:
Photo 6, Test Pit 4
View of test pit 4 located on the landfill mound near the concrete piles. 0-8.5 contained 50% soil, 20% rock, 30% debris. Debris includes glass, metal, brick, and possible ash. Native silt at 8.5-9'. PID at 2' and 8.5' is 0.2ppm. Collected sample OLF-TP04-8 (submitted on Hold).

Stantec Consulting Services Inc.
Photographic Record

Client: City of Ontario	**Project Number:** 203724193	**Date:** March 19, 2025
Facility Name: Former Ontario Landfill Site	**Property Location:** 1901 Verde Drive, Ontario, OR	

Photographer:
Dana Hutchins

Direction:
Southwest

Comments:
Photo 7, Test Pit 5
View of test pit 5 located on top of landfill mound on the NE side. 0-2.5' cobbly sand, PID is 0.3ppm(cap). 2.5-10' soil and debris. Debris is mostly glass with minor metal, plastic, and some rock. PID at 8' is 0.2ppm, 10-10.5' is native silt.

Photographer:
Dana Hutchins

Direction:
In Building

Comments:
Photo 8, Test Pit 5
Closeup view of test pit 5 showing debris layer.

Stantec Consulting Services Inc.
Photographic Record

Client: City of Ontario	**Project Number:** 203724193	**Date:** March 19, 2025
Facility Name: Former Ontario Landfill Site	**Property Location:** 1901 Verde Drive, Ontario, OR	

Photographer:
Dana Hutchins

Direction:
Northeast

Comments:
Photo 9, Test Pit 6
View of test pit 6 located on the SE side of the landfill mound. 0-0.5' silt, cobles, trace debris (Cap), 0.5-6.5' Soil and glass debris. One bottle dated to the 1950's. PID at 2' and 6.5' was 0.3ppm. 6.5-7' native light brown silt.

Photographer:
Dana Hutchins

Direction:
In Building

Comments:
Photo 10, Test Pit 6
View of soil and debris stockpile at test pit 6.

Stantec Consulting Services Inc.
Photographic Record

Client: City of Ontario	**Project Number:** 203724193	**Date:** March 19, 2025
Facility Name: Former Ontario Landfill Site	**Property Location:** 1901 Verde Drive, Ontario, OR	

Photographer:
Dana Hutchins

Direction:
Northeast

Comments:
Photo 11, Test Pit 7
View of test pit 7 on edge of landfill bound near Verde Street. 0-6.5' cobbly silt, little sand, little trash/debris. 6.5-7' native light brown silt. PID at 2' was 0.3ppm. PID at 7' was 0.4ppm.

Photographer:
Dana Hutchins

Direction:
North

Comments:
Photo 12, Test Pit 7
View of test pit 7 location.

Stantec Consulting Services Inc.
Photographic Record

Client: City of Ontario	**Project Number:** 203724193	**Date:** March 19, 2025
Facility Name: Former Ontario Landfill Site	**Property Location:** 1901 Verde Drive, Ontario, OR	

Photographer:
Dana Hutchins

Direction:
West

Comments:
Photo 13, Test Pit 8
View of test pit 8 located just off landfill mound on south side. 0-6.5' native light brown silt, water at around 6'. PID at 2' was 0.3ppm. PID at 6' was 0.5ppm.

Photographer:
Dana Hutchins

Direction:
West

Comments:
Photo 14, Test Pit 8
View of test pit 8 location.

Stantec Consulting Services Inc.
Photographic Record

Client: City of Ontario	**Project Number:** 203724193	**Date:** March 20, 2025
Facility Name: Former Ontario Landfill Site	**Property Location:** 1901 Verde Drive, Ontario, OR	

Photographer:
Dana Hutchins

Direction:
South

Comments:
Photo 15, Test Pit 9
View of test pit 9 located just off landfill mound on the SW side. 0-2' mixed native and some landfill and newer debris. 2-6' native silt. Water at 6'. PID at 2 and 6' was 0.1ppm.

Photographer:
Dana Hutchins

Direction:
Northwest

Comments:
Photo 16, Test Pit 10
View of test pit 10 on slope of landfill mound on west side. 0-4' silt and debris/trash. Debris is mostly glass bottles and some have been melted. 4-8' native light brown silt.

Stantec Consulting Services Inc.
Photographic Record

Client: City of Ontario	**Project Number:** 203724193	**Date:** March 20, 2025
Facility Name: Former Ontario Landfill Site	**Property Location:** 1901 Verde Drive, Ontario, OR	

Photographer:
Dana Hutchins

Direction:
West

Comments:
Photo 19, Test Pit 10
View test pit 10 debris and native soil contact.

APPENDIX B

JOB SUMMARY REPORT

Order Number:	Work Order #762332	**Job Date:**	Mar 16, 2025 4:36:00 PM
Customer:	42383 [CTN] STANTEC : STANTEC CONSULTING SERVICES INC - LYNWOOD WA	**Billing Address:**	STANTEC CONSULTING SERVICES INC 4100 194TH STREET SW SUITE 400 LYNWOOD WA 98036 United States

JOB DETAILS

Jobsite Location	1901 North Verde Drive, Ontario, Oregon, 97914
Work Order Number	Work Order #762332
Job Number	
PO Number	

GPRS Project Manager: Elias Iske

Thank you for using GPRS on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS project manager on this project.

EQUIPMENT USED

The following equipment was used on this project:

- **Underground GPR Antenna:** This GPR Antenna uses frequencies ranging from 250 MHz to 450 MHz and is mounted in a stroller frame that rolls over the surface. Data is displayed on a screen and marked in the field in real time. The surface needs to be reasonably smooth and unobstructed to obtain readable scans. Obstructions such as curbs, landscaping, and vegetation will limit the efficacy of GPR. The total effective scan depth can be as much as 8’ or more with this antenna but can vary widely depending on the soil conditions and composition. Some soil types, such as clay, may limit maximum depths to 3’ or less. As depth increases, targets must be larger to be detected, and non-metallic targets can be challenging to locate. The depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: Link
- **EM Pipe Locator:** Electromagnetic Pipe and Cable Locator. Detects electromagnetic fields. Used to actively trace conductive pipes and tracer wires, or passively detect power and radio signals traveling along conductive pipes and utilities. For more information, please visit: Link
- **GPS:** This handheld unit offers accuracy down to 4 inches; however, the accuracy achieved will depend on the satellite environment at the time of collection and is not considered survey-grade. Features can be collected as points, lines, or areas and then exported as a KML/KMZ or overlaid on a CAD drawing. For more information, please visit: Link

JOB SUMMARY REPORT

WORK PERFORMED

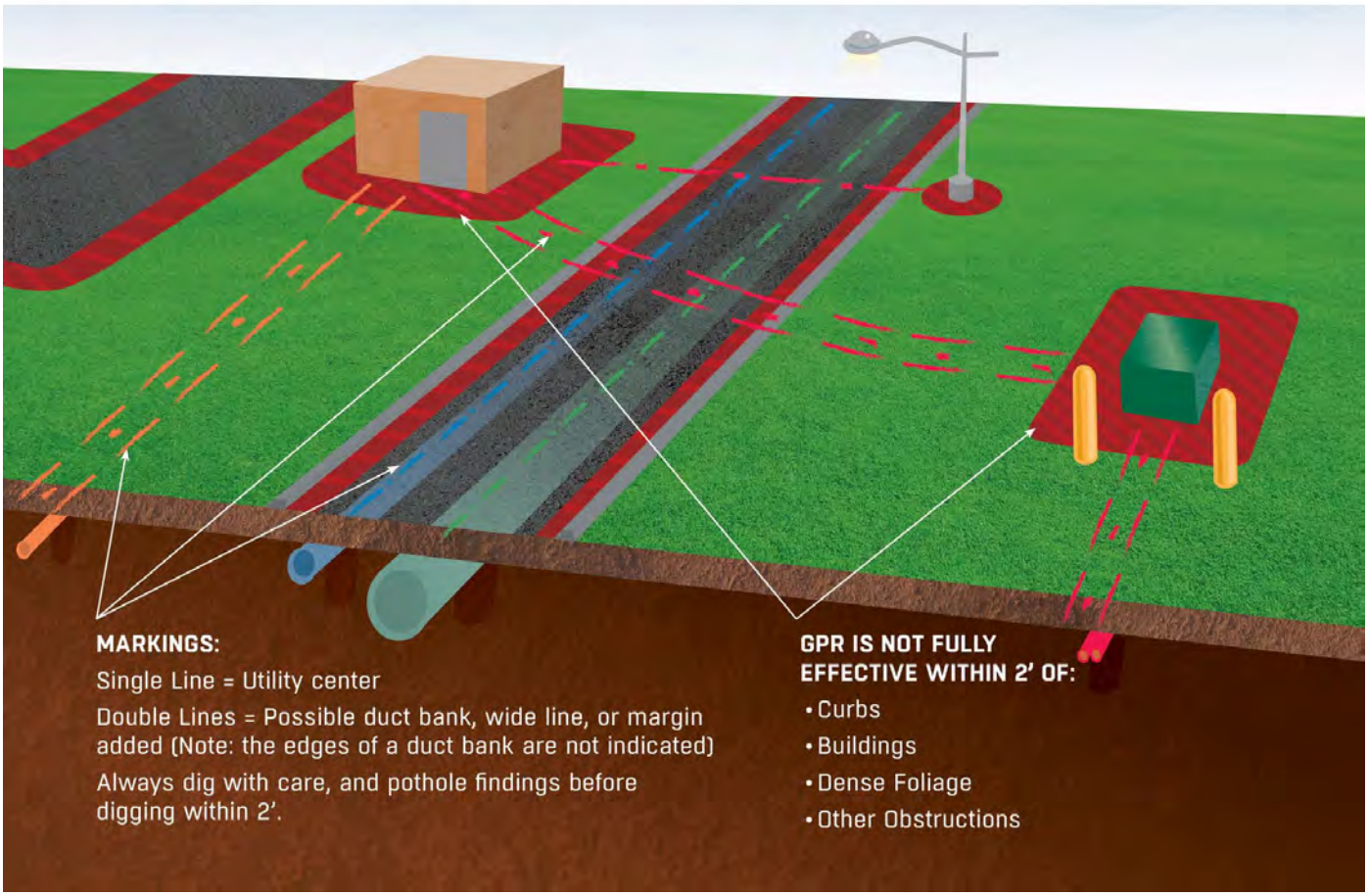
UNDERGROUND UTILITY	
Client Provided Drawings	Yes
Client completed 811 locate request	Yes
Scope of Work	Locating perimeter of landfill and scanning 17 soil borings
Soil Borings (qty)	17
Utilities Located	- Unknown
Limitations Encountered	- Surface obstructions - Overgrown vegetation
Marking Medium	- Spray Paint
Results Notes	GPRS completed 17 soil borings and a perimeter scan around the landfill. GPRS did not find any utilities within the soil borings after completing passive sweeps with the EM locator and GPR cart. GPRS did find what looked like disturbed soil levels on the NW side of the property. Site contact insisted on digging within the that area. Average GPR depth was 3'. GPR found some evidence of metal or other materials under the surface. There was no distinct difference in the GPR scan when on the landfill or on the perimeter of it. GPRS was unable to capture information on the west side of the perimeter due to overgrown vegetation. Please use extreme caution when digging with heavy machinery and hand dig when within any markings. Please refer to submittal for reference. Thank you, Elias

JOB SUMMARY REPORT

SUPPLEMENTAL INFORMATION

COMMON UTILITY LOCATING LIMITATIONS

There are many limitations to locating utilities, due to a variety of factors, with several more common examples illustrated here.



JOBSITE IMAGES

Jobsite Photo #1

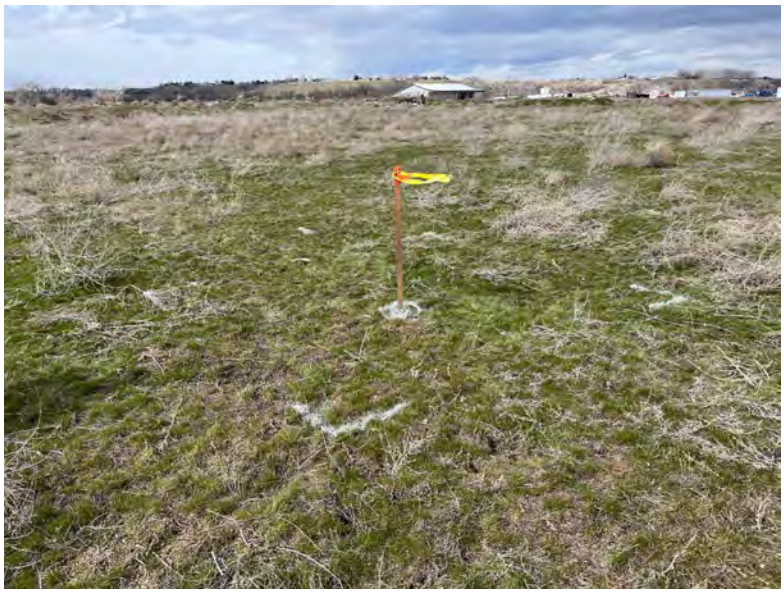
Jobsite Photo #2

Jobsite Photo #3

Jobsite Photo #4

Jobsite Photo #5

Jobsite Photo #6



Jobsite Photo #7

Jobsite Photo #8

Jobsite Photo #9

Jobsite Photo #10

Jobsite Photo #11

Jobsite Photo #12

Jobsite Photo #13

Jobsite Photo #14

Jobsite Photo #15

Jobsite Photo #16

JOB SUMMARY REPORT

Jobsite Photo #17

CONTACT / SIGNATURE INFORMATION

SIGNATURE

email

Contact Information

Contact Name	DANA HUTCHINS	**Email**	dana.hutchins@stantec.com

TERMS & CONDITIONS

http://www.gprsinc.com/termsandconditions.html

APPENDIX C

PROJECT: **Former Ontario Landfill Site**
LOCATION: **1901 Verde Drive Ontario, Oregon**
PROJECT NUMBER: **203724193**

WELL / PROBEHOLE / BOREHOLE NO **OLF-MW01** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED: **3/18/25** COMPLETED: **3/18/25**
DRILLING COMPANY: **Steadfast**
DRILLING EQUIPMENT: **Geoprobe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Continuous Liner**

NORTHING (ft): **44.043** EASTING (ft): **-116.987**
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft): **+1.46**
INITIAL DTW (ft): **5.0** WELL DEPTH (ft): **19.0**
STATIC DTW (ft): **3.88** BOREHOLE DEPTH (ft): **19.00**
WELL CASING DIA. (in): **2** BOREHOLE DIA. (in): **4**
LOGGED BY: **Dana Hutchins** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
0900		ML	**SILT SOME FINE GRAVEL** ; ML; light brown; low plasticity; soft; moist; no odor; no staining					0.0		Flush monument with cement seal
		SP	**SAND SOME GRAVEL** ; SP; light brown; non plastic; loose; moist; no odor; no staining; rounded							
		ML	**SILT LITTLE FINE SAND** ; ML; light reddish brown; low plasticity; soft; moist; no odor; no staining			50%		0.1		Bentonite chip surface seal.
0905 5									5 ▽	
								0.2		PVC well
		GP	**SANDY GRAVEL** ; GP; gray to brown; non plastic; loose; saturated; no odor; no staining; subrounded			70%		0.1		
0910 10									10	
						100%				Screen pre-packed 7-17', Sand 5-17'
0915 15									15	
						100%				Sluf at bottom of boring.
			Borehole terminated at 19 feet.							
0925 20										

GEO FORM 304 OLF_GINT_BORING-LOGS_20250331.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 4/1/25

PROJECT: **Former Ontario Landfill Site**
LOCATION: **1901 Verde Drive Ontario, Oregon**
PROJECT NUMBER: **203724193**

WELL / PROBEHOLE / BOREHOLE NO **OLF-MW02** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED: **3/18/25** COMPLETED: **3/18/25**
DRILLING COMPANY: **Steadfast**
DRILLING EQUIPMENT: **Geoprobe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Continuous Liner**

NORTHING (ft): **44.044**
LAT:
GROUND ELEV (ft):
INITIAL DTW (ft): **4.0**
STATIC DTW (ft): **3.55**
WELL CASING DIA. (in): **2**
LOGGED BY: **Dana Hutchins**

EASTING (ft): **-116.986**
LONG:
TOC ELEV (ft): **+0.29**
WELL DEPTH (ft): **15.0**
BOREHOLE DEPTH (ft): **15.00**
BOREHOLE DIA. (in): **4**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
1245			**GRAVELLY SILT** ; brown; non plastic; loose; moist; no odor; no staining; Fill							
			Asphalt, Fill					0.0		Flush monument with cement seal
						80%				Bentonite chip surface seal.
		GP	**SANDY GRAVEL** ; GP; light brown; non plastic; loose; saturated; no odor; no staining					0.0	▽	PVC well
1250 5									5	
		SW	**SAND TRACE GRAVEL** ; SW; brown; medium-grained; non plastic; firm; saturated; no odor; no staining					0.0		
						100%				
								0.0		Screen pre-packed 4-14', Sand 3.5-14'
1255 10		GP	**SANDY GRAVEL** ; GP; light brown; non plastic; loose; saturated; no odor; no staining						10	
						100%				
1300 15			Borehole terminated at 15 feet.						15	Sluf at bottom of boring.

PROJECT: **Former Ontario Landfill Site**
LOCATION: **1901 Verde Drive Ontario, Oregon**
PROJECT NUMBER: **203724193**

WELL / PROBEHOLE / BOREHOLE NO **OLF-MW03** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED: **3/18/25** COMPLETED: **3/18/25**
DRILLING COMPANY: **Steadfast**
DRILLING EQUIPMENT: **Geoprobe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Continuous Liner**

NORTHING (ft): **44.045**
LAT:
GROUND ELEV (ft):
INITIAL DTW (ft): **5.0**
STATIC DTW (ft): **3.20**
WELL CASING DIA. (in): **2**
LOGGED BY: **Dana Hutchins**

EASTING (ft): **-116.986**
LONG:
TOC ELEV (ft): **+0.06**
WELL DEPTH (ft): **15.0**
BOREHOLE DEPTH (ft): **15.00**
BOREHOLE DIA. (in): **4**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
1350		MLS	**SANDY SILT** ; MLS; light brown; low plasticity; firm; moist; no odor; no staining			85%		0.0 0.0		Flush monument with cement seal Bentonite chip surface seal.
1355 5		SP-SM	**SILTY SAND** ; SP-SM; light brown; low plasticity; firm; moist; no odor; no staining			100%		0.1 0.1	3	PVC well
1400 10		GP	**SANDY GRAVEL** ; GP; brown to gray; non plastic; loose; saturated; no odor; no staining			100%			10	Screen pre-packed 5-15', Sand 4-15'
1405 15			Borehole terminated at 15 feet.						15	

PROJECT: **Former Ontario Landfill Site**
LOCATION: **1901 Verde Drive Ontario, Oregon**
PROJECT NUMBER: **203724193**

WELL / PROBEHOLE / BOREHOLE NO **OLF-MW04** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED: **3/19/25** COMPLETED: **3/19/25**
DRILLING COMPANY: **Steadfast**
DRILLING EQUIPMENT: **Geoprobe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Continuous Liner**

NORTHING (ft): **44.045**
LAT:
GROUND ELEV (ft):
INITIAL DTW (ft): **5.0**
STATIC DTW (ft): **3.16**
WELL CASING DIA. (in): **2**
LOGGED BY: **Dana Hutchins**

EASTING (ft): **-116.987**
LONG:
TOC ELEV (ft): **0.0**
WELL DEPTH (ft): **15.0**
BOREHOLE DEPTH (ft): **15.00**
BOREHOLE DIA. (in): **4**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
0845		ML	**SILT LITTLE FINE SAND** ; ML; brown; low plasticity; firm; moist; no odor; no staining			100%		0.1		Flush monument with cement seal
								0.1		Bentonite chip surface seal.
0850 5			Increased sand 5-7.5'						5	PVC well
		GP	**SANDY GRAVEL** ; GP; brown to gray; non plastic; loose to medium dense; saturated; no odor; no staining			100%				
0855 10						100%			10	Screen pre-packed 5-15', Sand 4-15'
0900 15			Borehole terminated at 15 feet.						15	

PROJECT: **Former Ontario Landfill Site**
LOCATION: **1901 Verde Drive Ontario, Oregon**
PROJECT NUMBER: **203724193**

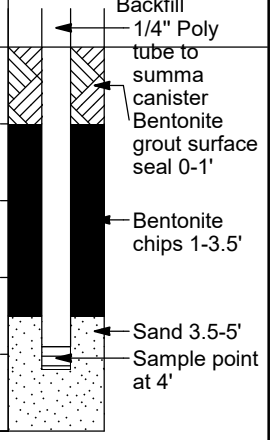
WELL / PROBEHOLE / BOREHOLE NO **OLF-SV01** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED: **3/18/25** COMPLETED: **3/18/25**
DRILLING COMPANY: **Steadfast**
DRILLING EQUIPMENT: **Geoprobe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Summa Canister**

NORTHING (ft):
EASTING (ft):
LAT:
LONG:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered**
WELL DEPTH (ft): **5.0**
STATIC DTW (ft): **Not Encountered**
BOREHOLE DEPTH (ft): **5.00**
WELL CASING DIA. (in): **1/4**
BOREHOLE DIA. (in): **2**
LOGGED BY: **Dana Hutchins**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1055		ML	**SILT LITTLE FINE SAND** ; ML; light brown; medium plasticity; soft; moist; no odor; no staining			70%		0.0	
			4-4.2' Gravel lens					0.0	
1102 5			Borehole terminated at 5 feet.						5



10
15

GEO FORM 304 OLF_GINT_BORING-LOGS_20250331.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 4/1/25

PROJECT: **Former Ontario Landfill Site**
LOCATION: **1901 Verde Drive Ontario, Oregon**
PROJECT NUMBER: **203724193**

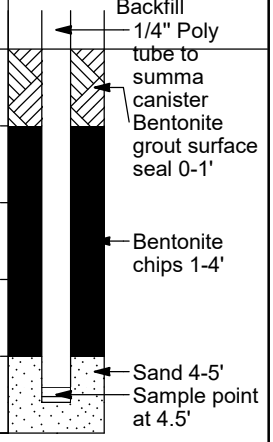
WELL / PROBEHOLE / BOREHOLE NO **OLF-SV02** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED: **3/18/25** COMPLETED: **3/18/25**
DRILLING COMPANY: **Steadfast**
DRILLING EQUIPMENT: **Geoprobe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Summa Canister**

NORTHING (ft):
EASTING (ft):
LAT:
LONG:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered**
WELL DEPTH (ft): **5.0**
STATIC DTW (ft): **Not Encountered**
BOREHOLE DEPTH (ft): **5.00**
WELL CASING DIA. (in): **1/4**
BOREHOLE DIA. (in): **2**
LOGGED BY: **Dana Hutchins**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1135			**SILT LITTLE FINE SAND** ; light brown; low plasticity; soft; moist; no odor; no staining; fill						
			SAND ; black; non plastic; loose; moist; moderate petroleum odor; Sand with Debris, mostly glass, fill					0.2	
						70%			
			SILT ; reddish brown; non plastic; loose; moist; no odor; iron oxide staining; Silt with Debris, mostly glass, some brick, fill					0.2	
1140 5			Borehole terminated at 5 feet.						5
10									
15									



GEO FORM 304 OLF_GINT_BORING-LOGS_20250331.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 4/1/25

PROJECT: **Former Ontario Landfill Site**
LOCATION: **1901 Verde Drive Ontario, Oregon**
PROJECT NUMBER: **203724193**

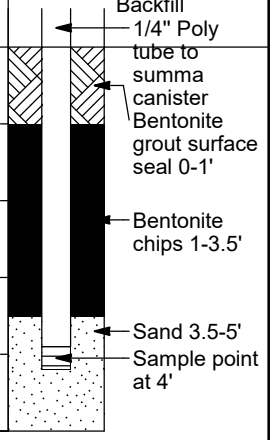
WELL / PROBEHOLE / BOREHOLE NO **OLF-SV03** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED: **3/18/25** COMPLETED: **3/18/25**
DRILLING COMPANY: **Steadfast**
DRILLING EQUIPMENT: **Geoprobe**
DRILLING METHOD: **Direct Push**
SAMPLING EQUIPMENT: **Summa Canister**

NORTHING (ft):
EASTING (ft):
LAT:
LONG:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered**
WELL DEPTH (ft): **5.0**
STATIC DTW (ft): **Not Encountered**
BOREHOLE DEPTH (ft): **5.00**
WELL CASING DIA. (in): **1/4**
BOREHOLE DIA. (in): **2**
LOGGED BY: **Dana Hutchins**
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
		ML	**SILT LITTLE FINE SAND** ; ML; light brown; low plasticity; firm; moist; no odor; no staining			80%		0.2 0.2	
5			Borehole terminated at 5 feet.						5
10									
15									



GEO FORM 304 OLF_GINT_BORING-LOGS_20250331.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 4/1/25

Stantec Consulting Services Inc.
Tel: (541) 499-8793

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Ontario Landfill
WELL ID: MW-1
SITE ADDRESS:
SAMPLE ID: ~~MW-1~~ OLF-MW01
DUPLICATE ID: OLF-MW-dup

Wind From	N	NE	E	SE	S	SW	W	NW	Speed (mph)		
Weather	(Sunny)		Cloudy		Rain		_____?		Temperature	85 °F	____ °C

WELL DATA

Date	Time	Casing Size	Screen Interval	Sample Depth	DTP	DTW	DTB
8/12/25	0850	2"	7-17	12'	NA	6.68	17

DTP = Depth to product, DTW = Depth to water, DTB = Depth to bottom

Time (min)	Liters/ Minute	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)	F. Iron (mg/L)
0855 5	0.3	6.68	7.47	14.6	142.	3511	0.87	15.7	
0900 +5	0.3	6.68	7.49	14.9	129	3429	0.39	19.8	
0905 +5	0.3	6.68	7.49	14.8	121.8	3328	0.27	14.6	
0910 +5	0.3	6.68	7.49	14.9	117	3368	0.27	13.5	
+5	0.3	6.68	7.49	14.9	115	3321	0.22	12.1	
Stabilization Criteria:			±0.1	3%	±10mV	3%	10%	10%	

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Sample Date: 8/12/25 **Sample Time:** 0915 dup @ 0930

Bottle Type	√	Amount & Volume		Preservative	Filter	Other
Amber Glass	√		1 L	None	No	
Amber Glass		2	1 L	HCL	No	
VOA Glass		3	40 ml	HCL	No	
Poly		1	250 ml	HNO3	No	
Poly			250 ml	HNO3	Yes	
Poly			1L	None	No	
Poly			250 ml	H2SO4	No	
~~Poly~~ AMBER		1	250 ml	None	No	
Total Bottles		7				

Notes: Good Recharge, collected dup at Location

Sampled By: Dana Hutchins Signature: Dana Hutchins

Stantec Consulting Services Inc.
Tel: (541) 499-8793

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Ontario Landfill
WELL ID: OLF-MW02
SITE ADDRESS: Ontario R
SAMPLE ID: OLF-MW02
DUPLICATE ID: _____

Wind From	N	NE	E	SE	S	SW	W	NW	Speed (mph)		
Weather	(Sunny)		Cloudy		Rain		_____?		Temperature	85 °F	____ °C

WELL DATA

Date	Time	Casing Size	Screen Interval	Sample Depth	DTP	DTW	DTB
8/12/25	1021	2"	4-14	11'	—	6.73	14'

DTP = Depth to product, DTW = Depth to water, DTB = Depth to bottom

Time (min)	Liters/ Minute	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)	F. Iron (mg/L)
1030 5	0.3	6.74	7.65	18.4	54.3	1923	1.13	5.96	NA
1035 +5	0.3	6.75	7.67	18.5	44.6	1935	1.10	3.1	
1040 +5	0.3	6.75	7.67	18.6	39.0	1940	1.09	3.13	
1045 +5	0.3	6.75	7.67	18.5	37.2	1933	1.09	4.13	

Stabilization Criteria: ±0.1 3% ±10mV 3% 10% 10%
Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Sample Date: 8/12/25 **Sample Time:** 1045

Bottle Type	√	Amount & Volume		Preservative	Filter	Other
Amber Glass	√		1 L	None	No	
Amber Glass		2	1 L	HCL	No	
VOA Glass		3	40 ml	HCL	No	
Poly		1	250 ml	HNO3	No	
Poly			250 ml	HNO3	Yes	
Poly			1L	None	No	
Poly			250 ml	H2SO4	No	
~~Poly~~ Amber		1	250 ml	None	No	
Total Bottles		7				

Notes: Good Recharge.

Sampled By: Dana Hutchins Signature: Dana Hutchins

Stantec Consulting Services Inc.
Tel: (541) 499-8793

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Ontario Landfill
WELL ID: OLF-MW03
SITE ADDRESS: Ontario OR
SAMPLE ID: OLF-MW03
DUPLICATE ID: —

Wind From	N	NE	E	SE	S	SW	W	NW	Speed (mph)		
Weather		Sunny	Cloudy		Rain		?		Temperature	70 °F	°C

WELL DATA

Date	Time	Casing Size	Screen Interval	Sample Depth	DTP	DTW	DTB
8/12/25	1130	2"	5-15	12	—	5.0	15

DTP = Depth to product, DTW = Depth to water, DTB = Depth to bottom

	Time (min)	Liters/ Minute	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)	F. Iron (mg/L)
1135	5	0.2	7.31	7.71	17.5	52.7	2496	0.34	23.9	NA
1140	+5	0.1	7.65	7.76	18.41	35.8	2553	0.40	21.2	
1145	+5	0.1	7.90	7.76	18.3	27.5	2558	0.34	17.6	
1148	+3	0.1	8.05	7.76	18.2	19.9	2590	0.37	15.9	
1151	+3	0.1	8.20	7.76	18.4	18.5	2600	0.39	13.2	

Stabilization Criteria: ±0.1 3% ±10mV 3% 10% 10%
Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Sample Date: 8/12/25 **Sample Time:** 1200

Bottle Type	√	Amount & Volume		Preservative	Filter	Other
Amber Glass	√		1 L	None	No	
Amber Glass		2	1 L	HCL	No	
VOA Glass		3	40 ml	HCL	No	
Poly		1	250 ml	HNO3	No	
Poly			250 ml	HNO3	Yes	
Poly			1L	None	No	
Poly			250 ml	H2SO4	No	
~~Poly~~ Amber		1	250 ml	None	No	
Total Bottles		7				

Notes: Poor Recharge

Sampled By: Dana Hutchins Signature: Dana Hutchins

Stantec Consulting Services Inc.
Tel: (541) 499-8793

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Ontario Landfill
SITE ADDRESS: Ontario OR.

WELL ID: OLF-MW04
SAMPLE ID: OLF-MW04
DUPLICATE ID: _____

Wind From	N	NE	E	SE	S	SW	W	NW	Speed (mph)		
Weather		Sunny	Cloudy		Rain		_____?		Temperature	60 °F	____ °C

WELL DATA

Date	Time	Casing Size	Screen Interval	Sample Depth	DTP	DTW	DTB
8/12/25	1315	2"	5-15'	12'	NA	6.48	15

DTP = Depth to product, DTW = Depth to water, DTB = Depth to bottom

Time (min)	Liters/ Minute	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)	F. Iron (mg/L)
1320 5	0.1	7.47	7.74	21.8	126	31.51	0.26	12.1	NA
1325 +5	0.1	7.58	7.74	22.0	10.1	3162	0.22	9.36	
1330 +5	0.1	7.80	7.80	21.5	6.1	3121	0.20	10.1	
1335 +5	0.1	7.98	7.84	21.5	3.2	3139	0.22	9.82	
1336 +3	0.1	8.09	7.85	21.8	1.8	3113	0.26	9.57	
Stabilization Criteria:			±0.1	3%	±10mV	3%	10%	10%	

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Sample Date: 8/12/25 **Sample Time:** 1345

Bottle Type	√	Amount & Volume		Preservative	Filter	Other
Amber Glass	√		1 L	None	No	
Amber Glass		2	1 L	HCL	No	
VOA Glass		3	40 ml	HCL	No	
Poly		1	250 ml	HNO3	No	
Poly			250 ml	HNO3	Yes	
Poly			1L	None	No	
Poly			250 ml	H2SO4	No	
~~Poly/Amber~~		1	250 ml	None	No	
Total Bottles		7				

Notes: poor Recharge
* Also collected Equipment Blank sample EB-081225 @1400 from DTW probe.

Sampled By: Dana Hutchins Signature: Dana Hutchins

APPENDIX D

PROJECT: Ontario Landfill
LOCATION: Ontario OR
PROJECT NUMBER: 203724093

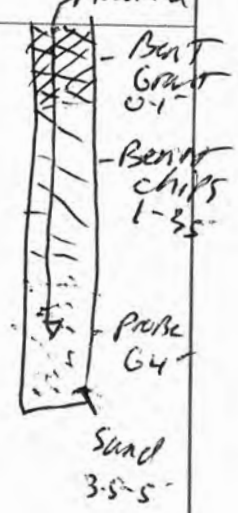
WELL / PROBEHOLE / BOREHOLE NO: OLF-SV01

Stantec

DRILLING: STARTED 3-18-25	COMPLETED: 3-18-25	NORTHING (ft):	EASTING (ft):
INSTALLATION: STARTED 3-18-25	COMPLETED: 3-18-25	LATITUDE:	LONGITUDE:
DRILLING COMPANY: Steel Fast		GROUND ELEV (ft):	TOC ELEV (ft):
DRILLING EQUIPMENT: geoprobe		INITIAL DTW (ft):	BOREHOLE DEPTH (ft):
DRILLING METHOD: Direct Push		STATIC DTW (ft):	WELL DEPTH (ft): 5
SAMPLING EQUIPMENT: Cont Liner		WELL CASING DIAMETER (in):	BOREHOLE DIAMETER (in):
		LOGGED BY: Dana Hetchin	CHECKED BY:

Time & Depth (feet)	Graphic Log	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1058 0		0-5' Silt, 85% fines, 15% f. Sand, Lt. Brown, moist, med-plasticity, soft, no odor, no stain.			70%		0.0	
		- 4.0-4.2' Gravel Lens					0.0	
1102 5		TD = 5'						
		GW @ 5' Installed well Point @ 4' to avoid water						

Borehole Backfill to Schema



PROJECT: Ontario Landfill
LOCATION: Ontario Oregon
PROJECT NUMBER: 203724193

WELL / PROBEHOLE / BOREHOLE NO: OLF-SV02

Stantec

DRILLING: STARTED 3-18-25 COMPLETED: 3-18-25
INSTALLATION: STARTED — COMPLETED: —
DRILLING COMPANY: Steadfast
DRILLING EQUIPMENT: Geo Probe
DRILLING METHOD: direct push
SAMPLING EQUIPMENT: Summa canister

NORTHING (ft): EASTING (ft):
LATITUDE: LONGITUDE:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): BOREHOLE DEPTH (ft): 5'
STATIC DTW (ft): WELL DEPTH (ft): 5'
WELL CASING DIAMETER (in): BOREHOLE DIAMETER (in):
LOGGED BY: Dana Hetchin CHECKED BY:

Time & Depth (feet)	Graphic Log	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
1135 0		0-6" Silt, 85% fines, 15% sand, Lt. Brown, moist, soft, low-plastic, no odor, no stain. Fill					0.2		Bent Grout 0-1'
		6"-2.5' Black Sand w. Debris, Fill, moist, no odor, stain??			70%				Bent Chips 1-4'
		2.5'-5' Silt with debris, Reddish Brown, moist, no odor, fe stain, glass shards, Brick shards. TD=5			—		0.2		Sand 4-5'
1138 5									Probe Hole
6									

PROJECT: Ontario Land Fill
LOCATION: Ontario OR
PROJECT NUMBER: 203724193

WELL / PROBEHOLE / BOREHOLE NO: OLF-SV03

Stantec

DRILLING: STARTED 3-18-25	COMPLETED: 3-18-25	NORTHING (ft):	EASTING (ft):
INSTALLATION: STARTED —	COMPLETED: —	LATITUDE:	LONGITUDE:
DRILLING COMPANY: Steadfast		GROUND ELEV (ft):	TOC ELEV (ft):
DRILLING EQUIPMENT: geoprobe		INITIAL DTW (ft):	BOREHOLE DEPTH (ft): 5'
DRILLING METHOD: Direct Push		STATIC DTW (ft):	WELL DEPTH (ft):
SAMPLING EQUIPMENT: cont Liner / screened casing		WELL CASING DIAMETER (in):	BOREHOLE DIAMETER (in):
		LOGGED BY: Dana V.	CHECKED BY:

Time & Depth (feet)	Graphic Log		Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			0-5' SILT, 85% Fines, 15% F. Sand, LT. Brown, moist, Firm, Low-plasticity, no odor, no-stain.			80%		0.2 0.2		Bentonite Start 0-1 Bentonite Chips 1-3.5' Sand 3.5-5' probe 64'
			TD=5'			—				

ERFF 2.43 Soil Vapour/Indoor Air Sample Collection - Field Sheet for Summa Canisters

Stantec

Project Number: 2037 24193
Client: STanTec
Site Location: ONTario Land Fill
Sampling Date: 3-19-25
Field Personnel: Dana Hitchins

Weather: clear
Temperature: 40°F
Barometric Pressure: 28
Relative Humidity (%): --
Date of Last Precipitation: 2-days
Approx. Precip. Amount: <1in

Sample ID	Canister ID	Flow Regulator ID	Sample Type [1]	Time Since Purging (min)	Initial Vacuum (in. H_2O)	Final Vacuum (in. H_2O)	Start Time	End Time	Initial Canister Pressure (in. Hg)	Final Canister Pressure (in. Hg)	
OLF-SV03	IL3015	2305/2242	SVP	10	-28	-5	0946	0952	-28	-5	He = 53% PID = 0 ppm
CH4 =	0.00%	H_2S =	0 ppm	CO_2 =	0.11%	O_2 =	18.41%	N_2 =	81.51%		
OLF-SV01	IL2936	2305	SVP	10	-30	-5	1024	1031	-30	-5	He = 80% PID = 1.0 ppm
CH4 =	0.01%	H_2S =	0 ppm	CO_2 =	0.12%	O_2 =	16.69%	N_2 =	83.10%		
OLF-SV02	IL3168	2310/2288	SVP	10	-28	-5	1104	1108	-28	-5	He = 66.5% PID = 0.7 ppm
OLF-SV-DUP	IL3875	2405	SVP	10	-28	-5	1104	1112	-28	-5	
CH4 =	0.00%	H_2S =	0 ppm	CO_2 =	0.19%	O_2 =	20.47%	N_2 =	79.32		

Notes:
1) IA = Indoor Air, OA = Ambient Outdoor Air, SVP = Soil Vapour Sample, SS = Subslab Sample
2) A wait time of 1-2 minutes per L air removed during purging or performance testing recommended prior to sample collection

ERFF 2.43 Soil Vapour/Indoor Air Sample Collection - Field Sheet for Summa Canisters

Stantec

Project Number: Ontario Landfill
Client: City of Ontario
Site Location: 1901 Verde St.
Sampling Date: 3-17-25
Field Personnel: Dana Hutchins

Weather: overcast
Temperature: 40° F
Barometric Pressure: 29.89 in Hg
Relative Humidity (%): 90%
Date of Last Precipitation: 3-16-25
Approx. Precip. Amount: <1in

Location Sample ID	Lat Canister ID	Long Flow Regulator ID	(ft) Depth Sample Type[1]	Time Since Purging (min)	CH4 Methane Initial % Vacuum (in H_2O)	CO2 carbon dioxide Final % Vacuum (in H_2O)	Date Start Time	End Time	H2S Sulfide Initial PPM Canister Pressure (in Hg)	Oxygen % Final Canister Pressure (in. Hg)	Balance 22%
SP-14	44.044798	-116.986634	2.5'	5	0.03	0.04	3-17-25	1345	0	20.68	79.25
SP-15	44.044968	-116.985923	1.0'	5	0.03	0.04		1400	0	21.04	78.88
SP-16	44.044355	-116.985844	2.0'	5	0.04	0.05		1415	0	21.04	78.88

Notes:
1) IA = Indoor Air, OA = Ambient Outdoor Air, SVP = Soil Vapour Sample, SS = Subslab Sample
2) A wait time of 1-2 minutes per L air removed during purging or performance testing recommended prior to sample collection

ERFF 2.43 Soil Vapour/Indoor Air Sample Collection - Field Sheet for Summa Canisters

Stantec

Project Number: OnTario Landfill
Client: City of OnTario
Site Location: 1901 Verde St.
Sampling Date: 3-17-25
Field Personnel: Dana Hitchins

Weather: Overcast
Temperature: 39° F
Barometric Pressure: 29.89 in Hg
Relative Humidity (%): 90%
Date of Last Precipitation: 3-16-25
Approx. Precip. Amount: <1in

Location ~~Sample~~ ID	LaT ~~Canister ID~~	Long ~~Flow Regulator ID~~	(FT) Depth ~~Sample Type~~ [1]	Time Since Purging (min)	CH_4 Methane %	CO_2 Carbon dioxide %	Date ~~Start Time~~	~~End~~ Time	H. Sulfide H_2S ppm ~~Initial Canister Pressure (in Hg)~~	Oxygen % O_2 ~~Final Canister Pressure (in Hg)~~	Balance N_2 %
SP-1	44.043715	-116.985638	1	5	0.00	0.05	3-17-25	0915	0	21.04	78.91
SP-2	44.043823	-116.985951	2	5	0.04	0.15		0944	0	20.43	79.37
SP-3	44.043520	-116.986134	1.2	5	0.01	0.04		1005	0	20.60	79.35
SP-4	44.043950	-116.986301	1.0	5	0.01	0.03		1022	0	20.02	79.94
SP-5	44.041298	-116.986184	1.2	5	0.06	0.05		1035	0	19.[illegible]	[illegible] 80.80
SP-6	44.044382	-116.986704	1.8	5	0.00	0.16		1056	0	20.90	78.93
SP-7	44.044076	-116.987087	2.3	5	0.03	0.20		1115	0	21.04	78.75
SP-8	44.043726	-116.987082	1.5	5	0.00	0.19		1135	0	21.04	78.77
SP-9	44.043444	-116.986773	1.0	5	0.00	0.04		1150	0	21.04	78.92
SP-10	44.043315	-116.986081	2.8	5	0.00	0.03		1205	0	21.04	78.93
SP-11	44.043299	-116.987081	1.8	5	0.00	2.00		1220	0	18.09	79.90
SP-12	44.043603	-116.987911	3.7	5	0.00	0.37		1235	1	20.77	78.85
SP-13	44.044441	-116.987466	2	5	0.00	0.06		1320	1	21.04	78.89

Some smoke from near by fire in air.

Notes: SP = Soil Bar Probe

1) IA = Indoor Air, OA = Ambient Outdoor Air, SVP = Soil Vapour Sample, SS = Subslab Sample

2) A wait time of 1-2 minutes per L air removed during purging or performance testing recommended prior to sample collection

APPENDIX E

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Tuesday, April 15, 2025

Carrie Rackey
Stantec Portland
601 SW 2nd Ave Suite 1400
Portland, OR 97204

RE: A5C1845 - Ontario Land Fill - 203724193

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A5C1845, which was received by the laboratory on 3/25/2025 at 10:50:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information					
Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.					
(See Cooler Receipt Form for details)					
Cooler#1	3.8	degC	Cooler#2	5.6	degC
Cooler#3	3.6	degC			

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OLF-MW04	A5C1845-01	Water	03/21/25 09:30	03/25/25 10:50
OLF-MW01	A5C1845-02	Water	03/20/25 12:10	03/25/25 10:50
OLF-MW02	A5C1845-03	Water	03/20/25 14:30	03/25/25 10:50
OLF-MW-DUP	A5C1845-04	Water	03/20/25 14:45	03/25/25 10:50
OLF-MW03	A5C1845-05	Water	03/20/25 16:00	03/25/25 10:50
EB-032025	A5C1845-06	Water	03/20/25 16:45	03/25/25 10:50
OLF-TB1	A5C1845-07	Water	03/19/25 00:00	03/25/25 10:50
OLF-TP04-8	A5C1845-08	Soil	03/19/25 15:00	03/25/25 10:50
OLF-Drum-5	A5C1845-09	Soil	03/20/25 17:00	03/25/25 10:50

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW04 (A5C1845-01)				**Matrix: Water**		**Batch: 25D0006**		**DCNT**
Diesel	ND	---	0.253	mg/L	1	04/02/25 00:40	NWTPH-Dx	
Oil	ND	---	0.506	mg/L	1	04/02/25 00:40	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 79 %*	*Limits: 50-150 %*		*1*	*04/02/25 00:40*	*NWTPH-Dx*	
OLF-MW01 (A5C1845-02)				**Matrix: Water**		**Batch: 25C1031**		**DCNT, PRES**
Diesel	ND	---	0.233	mg/L	1	03/26/25 21:43	NWTPH-Dx	
Oil	ND	---	0.465	mg/L	1	03/26/25 21:43	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 102 %*	*Limits: 50-150 %*		*1*	*03/26/25 21:43*	*NWTPH-Dx*	
OLF-MW02 (A5C1845-03RE1)				**Matrix: Water**		**Batch: 25D0006**		**DCNT**
Diesel	ND	---	0.220	mg/L	1	04/02/25 11:37	NWTPH-Dx	
Oil	ND	---	0.440	mg/L	1	04/02/25 11:37	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 92 %*	*Limits: 50-150 %*		*1*	*04/02/25 11:37*	*NWTPH-Dx*	
OLF-MW-DUP (A5C1845-04RE1)				**Matrix: Water**		**Batch: 25D0006**		**DCNT**
Diesel	ND	---	0.235	mg/L	1	04/02/25 11:58	NWTPH-Dx	
Oil	ND	---	0.471	mg/L	1	04/02/25 11:58	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 86 %*	*Limits: 50-150 %*		*1*	*04/02/25 11:58*	*NWTPH-Dx*	
OLF-MW03 (A5C1845-05)				**Matrix: Water**		**Batch: 25C1031**		**DCNT, PRES**
Diesel	ND	---	0.227	mg/L	1	03/26/25 22:05	NWTPH-Dx	
Oil	ND	---	0.455	mg/L	1	03/26/25 22:05	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 101 %*	*Limits: 50-150 %*		*1*	*03/26/25 22:05*	*NWTPH-Dx*	
EB-032025 (A5C1845-06)				**Matrix: Water**		**Batch: 25D0006**		
Diesel	ND	---	0.204	mg/L	1	04/02/25 02:01	NWTPH-Dx	
Oil	ND	---	0.408	mg/L	1	04/02/25 02:01	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 83 %*	*Limits: 50-150 %*		*1*	*04/02/25 02:01*	*NWTPH-Dx*	
OLF-Drum-5 (A5C1845-09)				**Matrix: Soil**		**Batch: 25C1125**		**DCNT**
Diesel	ND	---	24.0	mg/kg dry	1	03/27/25 20:40	NWTPH-Dx	
Oil	ND	---	48.0	mg/kg dry	1	03/27/25 20:40	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 68 %*	*Limits: 50-150 %*		*1*	*03/27/25 20:40*	*NWTPH-Dx*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW04 (A5C1845-01RE1)				**Matrix: Water**		**Batch: 25C1115**		
Gasoline Range Organics	ND	---	0.100	mg/L	1	03/27/25 16:03	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 92 %*	*Limits: 50-150 %*		*1*	*03/27/25 16:03*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*116 %*	*50-150 %*		*1*	*03/27/25 16:03*	*NWTPH-Gx (MS)*	
OLF-MW01 (A5C1845-02RE1)				**Matrix: Water**		**Batch: 25C1115**		
Gasoline Range Organics	ND	---	0.100	mg/L	1	03/27/25 16:25	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 93 %*	*Limits: 50-150 %*		*1*	*03/27/25 16:25*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*117 %*	*50-150 %*		*1*	*03/27/25 16:25*	*NWTPH-Gx (MS)*	
OLF-MW02 (A5C1845-03RE1)				**Matrix: Water**		**Batch: 25C1115**		
Gasoline Range Organics	ND	---	0.100	mg/L	1	03/27/25 16:48	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 90 %*	*Limits: 50-150 %*		*1*	*03/27/25 16:48*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*116 %*	*50-150 %*		*1*	*03/27/25 16:48*	*NWTPH-Gx (MS)*	
OLF-MW-DUP (A5C1845-04RE1)				**Matrix: Water**		**Batch: 25C1115**		
Gasoline Range Organics	ND	---	0.100	mg/L	1	03/27/25 17:11	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 89 %*	*Limits: 50-150 %*		*1*	*03/27/25 17:11*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*116 %*	*50-150 %*		*1*	*03/27/25 17:11*	*NWTPH-Gx (MS)*	
OLF-MW03 (A5C1845-05RE1)				**Matrix: Water**		**Batch: 25C1115**		
Gasoline Range Organics	ND	---	0.100	mg/L	1	03/27/25 17:33	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 90 %*	*Limits: 50-150 %*		*1*	*03/27/25 17:33*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*117 %*	*50-150 %*		*1*	*03/27/25 17:33*	*NWTPH-Gx (MS)*	
EB-032025 (A5C1845-06)				**Matrix: Water**		**Batch: 25C1036**		
Gasoline Range Organics	ND	---	0.100	mg/L	1	03/26/25 12:17	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 95 %*	*Limits: 50-150 %*		*1*	*03/26/25 12:17*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*114 %*	*50-150 %*		*1*	*03/26/25 12:17*	*NWTPH-Gx (MS)*	
OLF-Drum-5 (A5C1845-09)				**Matrix: Soil**		**Batch: 25C1055**		
Gasoline Range Organics	ND	---	7.27	mg/kg dry	50	03/26/25 13:57	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*	*Limits: 50-150 %*		*1*	*03/26/25 13:57*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*105 %*	*50-150 %*		*1*	*03/26/25 13:57*	*NWTPH-Gx (MS)*	

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Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW04 (A5C1845-01RE1)				**Matrix: Water**		**Batch: 25C1115**		
Acetone	ND	---	20.0	ug/L	1	03/27/25 16:03	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	03/27/25 16:03	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Bromodichloromethane	**1.62**	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	03/27/25 16:03	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	03/27/25 16:03	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	03/27/25 16:03	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Chloroform	**1.78**	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	03/27/25 16:03	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Dibromochloromethane	**1.53**	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	03/27/25 16:03	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	03/27/25 16:03	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 16:03	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 16:03	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 16:03	EPA 8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW04 (A5C1845-01RE1)				**Matrix: Water**		**Batch: 25C1115**		
1,2-Dichloropropane	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	03/27/25 16:03	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	03/27/25 16:03	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	03/27/25 16:03	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	03/27/25 16:03	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	03/27/25 16:03	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	03/27/25 16:03	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	03/27/25 16:03	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	03/27/25 16:03	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	03/27/25 16:03	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	03/27/25 16:03	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	03/27/25 16:03	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	03/27/25 16:03	EPA 8260D	

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Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW04 (A5C1845-01RE1)				**Matrix: Water**		**Batch: 25C1115**		
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits:* *80-120 %*	*1*	*03/27/25 16:03*	*EPA 8260D*	
Toluene-d8 (Surr)			*102 %*	*80-120 %*	*1*	*03/27/25 16:03*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*03/27/25 16:03*	*EPA 8260D*	
OLF-MW01 (A5C1845-02RE1)				**Matrix: Water**		**Batch: 25C1115**		
Acetone	ND	---	20.0	ug/L	1	03/27/25 16:25	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	03/27/25 16:25	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	03/27/25 16:25	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	03/27/25 16:25	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	03/27/25 16:25	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	03/27/25 16:25	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	03/27/25 16:25	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	03/27/25 16:25	EPA 8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW01 (A5C1845-02RE1)				**Matrix: Water**		**Batch: 25C1115**		
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	03/27/25 16:25	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 16:25	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 16:25	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 16:25	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	03/27/25 16:25	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	03/27/25 16:25	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	03/27/25 16:25	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	03/27/25 16:25	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	03/27/25 16:25	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	03/27/25 16:25	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	03/27/25 16:25	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	03/27/25 16:25	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	03/27/25 16:25	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	03/27/25 16:25	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	03/27/25 16:25	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	03/27/25 16:25	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW01 (A5C1845-02RE1)				**Matrix: Water**		**Batch: 25C1115**		
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	03/27/25 16:25	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	03/27/25 16:25	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	03/27/25 16:25	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits: 80-120 %*	*1*	*03/27/25 16:25*	*EPA 8260D*	
Toluene-d8 (Surr)			*103 %*	*80-120 %*	*1*	*03/27/25 16:25*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*03/27/25 16:25*	*EPA 8260D*	
OLF-MW02 (A5C1845-03RE1)				**Matrix: Water**		**Batch: 25C1115**		
Acetone	ND	---	20.0	ug/L	1	03/27/25 16:48	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	03/27/25 16:48	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	03/27/25 16:48	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	03/27/25 16:48	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	03/27/25 16:48	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	03/27/25 16:48	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW02 (A5C1845-03RE1)				**Matrix: Water**		**Batch: 25C1115**		
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	03/27/25 16:48	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	03/27/25 16:48	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 16:48	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 16:48	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 16:48	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	03/27/25 16:48	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	03/27/25 16:48	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	03/27/25 16:48	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	03/27/25 16:48	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	03/27/25 16:48	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	03/27/25 16:48	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	03/27/25 16:48	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	03/27/25 16:48	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW02 (A5C1845-03RE1)				**Matrix: Water**		**Batch: 25C1115**		
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	03/27/25 16:48	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	03/27/25 16:48	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	03/27/25 16:48	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	03/27/25 16:48	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*03/27/25 16:48*	*EPA 8260D*	
Toluene-d8 (Surr)			*102 %*	*80-120 %*	*1*	*03/27/25 16:48*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*95 %*	*80-120 %*	*1*	*03/27/25 16:48*	*EPA 8260D*	
OLF-MW-DUP (A5C1845-04RE1)				**Matrix: Water**		**Batch: 25C1115**		
Acetone	ND	---	20.0	ug/L	1	03/27/25 17:11	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	03/27/25 17:11	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	03/27/25 17:11	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	03/27/25 17:11	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	03/27/25 17:11	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	03/27/25 17:11	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW-DUP (A5C1845-04RE1)				**Matrix: Water**		**Batch: 25C1115**		
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	03/27/25 17:11	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	03/27/25 17:11	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	03/27/25 17:11	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 17:11	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 17:11	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 17:11	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	03/27/25 17:11	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	03/27/25 17:11	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	03/27/25 17:11	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	03/27/25 17:11	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	03/27/25 17:11	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	03/27/25 17:11	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	03/27/25 17:11	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW-DUP (A5C1845-04RE1)				**Matrix: Water**		**Batch: 25C1115**		
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	03/27/25 17:11	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	03/27/25 17:11	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	03/27/25 17:11	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	03/27/25 17:11	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	03/27/25 17:11	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	03/27/25 17:11	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	03/27/25 17:11	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	03/27/25 17:11	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits: 80-120 %*	*1*	*03/27/25 17:11*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*03/27/25 17:11*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*95 %*	*80-120 %*	*1*	*03/27/25 17:11*	*EPA 8260D*	
OLF-MW03 (A5C1845-05RE1)				**Matrix: Water**		**Batch: 25C1115**		
Acetone	ND	---	20.0	ug/L	1	03/27/25 17:33	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	03/27/25 17:33	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Bromodichloromethane	**4.13**	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Bromoform	**1.12**	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	03/27/25 17:33	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	03/27/25 17:33	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	03/27/25 17:33	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Chloroform	**3.36**	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	

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Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW03 (A5C1845-05RE1)				**Matrix: Water**		**Batch: 25C1115**		
Chloromethane	ND	---	5.00	ug/L	1	03/27/25 17:33	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Dibromochloromethane	**4.36**	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	03/27/25 17:33	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	03/27/25 17:33	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	03/27/25 17:33	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 17:33	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 17:33	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/27/25 17:33	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	03/27/25 17:33	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	03/27/25 17:33	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	03/27/25 17:33	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	03/27/25 17:33	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	03/27/25 17:33	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW03 (A5C1845-05RE1)				**Matrix: Water**		**Batch: 25C1115**		
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	03/27/25 17:33	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	03/27/25 17:33	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	03/27/25 17:33	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	03/27/25 17:33	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	03/27/25 17:33	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	03/27/25 17:33	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	03/27/25 17:33	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	03/27/25 17:33	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	03/27/25 17:33	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	03/27/25 17:33	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits: 80-120 %*	*1*	*03/27/25 17:33*	*EPA 8260D*	
Toluene-d8 (Surr)			*104 %*	*80-120 %*	*1*	*03/27/25 17:33*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*94 %*	*80-120 %*	*1*	*03/27/25 17:33*	*EPA 8260D*	
EB-032025 (A5C1845-06)				**Matrix: Water**		**Batch: 25C1036**		
Acetone	ND	---	20.0	ug/L	1	03/26/25 12:17	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	03/26/25 12:17	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	03/26/25 12:17	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	03/26/25 12:17	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	03/26/25 12:17	EPA 8260D	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
EB-032025 (A5C1845-06)				**Matrix: Water**		**Batch: 25C1036**		
Carbon tetrachloride	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	03/26/25 12:17	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	03/26/25 12:17	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	03/26/25 12:17	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	03/26/25 12:17	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/26/25 12:17	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/26/25 12:17	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	03/26/25 12:17	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	03/26/25 12:17	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	03/26/25 12:17	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	03/26/25 12:17	EPA 8260D	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
EB-032025 (A5C1845-06)				**Matrix: Water**		**Batch: 25C1036**		
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	03/26/25 12:17	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	03/26/25 12:17	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	03/26/25 12:17	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	03/26/25 12:17	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	03/26/25 12:17	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	03/26/25 12:17	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	03/26/25 12:17	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	03/26/25 12:17	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*03/26/25 12:17*	*EPA 8260D*	
Toluene-d8 (Surr)			*103 %*	*80-120 %*	*1*	*03/26/25 12:17*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*03/26/25 12:17*	*EPA 8260D*	
OLF-TB1 (A5C1845-07)				**Matrix: Water**		**Batch: 25C1036**		**CONT**
Acetone	ND	---	20.0	ug/L	1	03/26/25 11:55	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	03/26/25 11:55	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	03/26/25 11:55	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	03/26/25 11:55	EPA 8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-TB1 (A5C1845-07)				**Matrix: Water**		**Batch: 25C1036**		**CONT**
n-Butylbenzene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	03/26/25 11:55	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	03/26/25 11:55	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	03/26/25 11:55	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	03/26/25 11:55	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	03/26/25 11:55	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/26/25 11:55	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	03/26/25 11:55	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	03/26/25 11:55	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	03/26/25 11:55	EPA 8260D	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-TB1 (A5C1845-07)				**Matrix: Water**		**Batch: 25C1036**		**CONT**
Isopropylbenzene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	03/26/25 11:55	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	03/26/25 11:55	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	03/26/25 11:55	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	03/26/25 11:55	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	03/26/25 11:55	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	03/26/25 11:55	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	03/26/25 11:55	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	03/26/25 11:55	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	03/26/25 11:55	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	03/26/25 11:55	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits:*	*80-120 %*	*1*	*03/26/25 11:55*	*EPA 8260D*	
Toluene-d8 (Surr)			*102 %*		*80-120 %*	*1*	*03/26/25 11:55*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*99 %*		*80-120 %*	*1*	*03/26/25 11:55*	*EPA 8260D*	
OLF-Drum-5 (A5C1845-09)				**Matrix: Soil**		**Batch: 25C1055**		
Acetone	ND	---	1450	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Acrylonitrile	ND	---	145	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Benzene	ND	---	14.5	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Bromobenzene	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Bromochloromethane	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-Drum-5 (A5C1845-09)				**Matrix: Soil**		**Batch: 25C1055**		
Bromodichloromethane	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Bromoform	ND	---	145	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Bromomethane	ND	---	727	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
2-Butanone (MEK)	ND	---	727	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
n-Butylbenzene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
sec-Butylbenzene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
tert-Butylbenzene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Carbon disulfide	ND	---	727	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Carbon tetrachloride	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Chlorobenzene	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Chloroethane	ND	---	727	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Chloroform	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Chloromethane	ND	---	363	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
2-Chlorotoluene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
4-Chlorotoluene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Dibromochloromethane	ND	---	145	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	363	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Dibromomethane	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,2-Dichlorobenzene	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,3-Dichlorobenzene	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,4-Dichlorobenzene	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Dichlorodifluoromethane	ND	---	145	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,1-Dichloroethane	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,1-Dichloroethene	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,2-Dichloropropane	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,3-Dichloropropane	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
2,2-Dichloropropane	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,1-Dichloropropene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-Drum-5 (A5C1845-09)				**Matrix: Soil**		**Batch: 25C1055**		
trans-1,3-Dichloropropene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Ethylbenzene	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Hexachlorobutadiene	ND	---	145	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
2-Hexanone	ND	---	727	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Isopropylbenzene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
4-Isopropyltoluene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Methylene chloride	ND	---	727	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	727	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Naphthalene	ND	---	145	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
n-Propylbenzene	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Styrene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Toluene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	363	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	363	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,1,1-Trichloroethane	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,1,2-Trichloroethane	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Trichloroethene (TCE)	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Trichlorofluoromethane	ND	---	363	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,2,3-Trichloropropane	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Vinyl chloride	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
m,p-Xylene	ND	---	72.7	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
o-Xylene	ND	---	36.3	ug/kg dry	50	03/26/25 13:57	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits: 80-120 %*	*1*	*03/26/25 13:57*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*03/26/25 13:57*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*03/26/25 13:57*	*5035A/8260D*	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW04 (A5C1845-01)				**Matrix: Water**				
Batch: 25D0438								
Arsenic	**166**	---	1.00	ug/L	1	04/11/25 01:18	EPA 6020B	
Barium	**248**	---	2.00	ug/L	1	04/11/25 01:18	EPA 6020B	
Cadmium	**0.246**	---	0.200	ug/L	1	04/11/25 01:18	EPA 6020B	
Chromium	**21.7**	---	2.00	ug/L	1	04/11/25 01:18	EPA 6020B	
Lead	**5.60**	---	0.200	ug/L	1	04/11/25 01:18	EPA 6020B	
Mercury	ND	---	0.0800	ug/L	1	04/11/25 01:18	EPA 6020B	
Selenium	**11.2**	---	1.00	ug/L	1	04/11/25 01:18	EPA 6020B	
Silver	ND	---	0.200	ug/L	1	04/11/25 01:18	EPA 6020B	
OLF-MW01 (A5C1845-02)				**Matrix: Water**				
Batch: 25D0438								
Arsenic	**26.3**	---	1.00	ug/L	1	04/11/25 01:34	EPA 6020B	
Barium	**224**	---	2.00	ug/L	1	04/11/25 01:34	EPA 6020B	
Cadmium	**0.248**	---	0.200	ug/L	1	04/11/25 01:34	EPA 6020B	
Chromium	**12.5**	---	2.00	ug/L	1	04/11/25 01:34	EPA 6020B	
Lead	**4.36**	---	0.200	ug/L	1	04/11/25 01:34	EPA 6020B	
Mercury	ND	---	0.0800	ug/L	1	04/11/25 01:34	EPA 6020B	
Selenium	**21.4**	---	1.00	ug/L	1	04/11/25 01:34	EPA 6020B	
Silver	ND	---	0.200	ug/L	1	04/11/25 01:34	EPA 6020B	
OLF-MW02 (A5C1845-03)				**Matrix: Water**				
Batch: 25D0438								
Arsenic	**82.9**	---	1.00	ug/L	1	04/11/25 01:39	EPA 6020B	
Barium	**302**	---	2.00	ug/L	1	04/11/25 01:39	EPA 6020B	
Cadmium	**0.615**	---	0.200	ug/L	1	04/11/25 01:39	EPA 6020B	
Chromium	**53.6**	---	2.00	ug/L	1	04/11/25 01:39	EPA 6020B	
Lead	**14.3**	---	0.200	ug/L	1	04/11/25 01:39	EPA 6020B	
Mercury	**0.129**	---	0.0800	ug/L	1	04/11/25 01:39	EPA 6020B	
Selenium	**9.24**	---	1.00	ug/L	1	04/11/25 01:39	EPA 6020B	
Silver	ND	---	0.200	ug/L	1	04/11/25 01:39	EPA 6020B	
OLF-MW-DUP (A5C1845-04)				**Matrix: Water**				
Batch: 25D0438								

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW-DUP (A5C1845-04)				**Matrix: Water**				
Arsenic	**87.5**	---	1.00	ug/L	1	04/11/25 01:44	EPA 6020B	
Barium	**329**	---	2.00	ug/L	1	04/11/25 01:44	EPA 6020B	
Cadmium	**0.631**	---	0.200	ug/L	1	04/11/25 01:44	EPA 6020B	
Chromium	**61.2**	---	2.00	ug/L	1	04/11/25 01:44	EPA 6020B	
Lead	**14.9**	---	0.200	ug/L	1	04/11/25 01:44	EPA 6020B	
Mercury	**0.143**	---	0.0800	ug/L	1	04/11/25 01:44	EPA 6020B	
Selenium	**10.2**	---	1.00	ug/L	1	04/11/25 01:44	EPA 6020B	
Silver	ND	---	0.200	ug/L	1	04/11/25 01:44	EPA 6020B	
OLF-MW03 (A5C1845-05)				**Matrix: Water**				
Batch: 25D0438								
Arsenic	**95.7**	---	1.00	ug/L	1	04/11/25 01:55	EPA 6020B	
Barium	**2200**	---	2.00	ug/L	1	04/11/25 01:55	EPA 6020B	
Cadmium	**3.01**	---	0.200	ug/L	1	04/11/25 01:55	EPA 6020B	
Chromium	**292**	---	2.00	ug/L	1	04/11/25 01:55	EPA 6020B	
Lead	**60.3**	---	0.200	ug/L	1	04/11/25 01:55	EPA 6020B	
Mercury	**0.318**	---	0.0800	ug/L	1	04/11/25 01:55	EPA 6020B	
Selenium	**11.8**	---	1.00	ug/L	1	04/11/25 01:55	EPA 6020B	
Silver	**0.414**	---	0.200	ug/L	1	04/11/25 01:55	EPA 6020B	
EB-032025 (A5C1845-06)				**Matrix: Water**				
Batch: 25D0438								
Arsenic	ND	---	1.00	ug/L	1	04/11/25 02:00	EPA 6020B	
Barium	ND	---	2.00	ug/L	1	04/11/25 02:00	EPA 6020B	
Cadmium	ND	---	0.200	ug/L	1	04/11/25 02:00	EPA 6020B	
Chromium	ND	---	2.00	ug/L	1	04/11/25 02:00	EPA 6020B	
Lead	ND	---	0.200	ug/L	1	04/11/25 02:00	EPA 6020B	
Mercury	ND	---	0.0800	ug/L	1	04/11/25 02:00	EPA 6020B	
Selenium	ND	---	1.00	ug/L	1	04/11/25 02:00	EPA 6020B	
Silver	ND	---	0.200	ug/L	1	04/11/25 02:00	EPA 6020B	
OLF-TP04-8 (A5C1845-08)				**Matrix: Soil**				
Batch: 25D0112								
Arsenic	**7.18**	---	1.44	mg/kg dry	10	04/04/25 17:47	EPA 6020B	**DCNT**

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-TP04-8 (A5C1845-08)				**Matrix: Soil**				
Barium	**476**	---	1.44	mg/kg dry	10	04/04/25 17:47	EPA 6020B	**DCNT**
Cadmium	**3.69**	---	0.288	mg/kg dry	10	04/04/25 17:47	EPA 6020B	**DCNT**
Chromium	**39.2**	---	1.44	mg/kg dry	10	04/04/25 17:47	EPA 6020B	**DCNT**
Lead	**551**	---	0.288	mg/kg dry	10	04/04/25 17:47	EPA 6020B	**DCNT**
Mercury	ND	---	0.115	mg/kg dry	10	04/04/25 17:47	EPA 6020B	DCNT
Selenium	ND	---	1.44	mg/kg dry	10	04/04/25 17:47	EPA 6020B	DCNT
Silver	**0.729**	---	0.288	mg/kg dry	10	04/04/25 17:47	EPA 6020B	**DCNT**
OLF-Drum-5 (A5C1845-09)				**Matrix: Soil**				
Batch: 25D0112								
Arsenic	**4.51**	---	1.44	mg/kg dry	10	04/04/25 17:52	EPA 6020B	**DCNT**
Barium	**290**	---	1.44	mg/kg dry	10	04/04/25 17:52	EPA 6020B	**DCNT**
Cadmium	ND	---	0.288	mg/kg dry	10	04/04/25 17:52	EPA 6020B	DCNT
Chromium	**12.5**	---	1.44	mg/kg dry	10	04/04/25 17:52	EPA 6020B	**DCNT**
Lead	**5.94**	---	0.288	mg/kg dry	10	04/04/25 17:52	EPA 6020B	**DCNT**
Mercury	ND	---	0.115	mg/kg dry	10	04/04/25 17:52	EPA 6020B	DCNT
Selenium	ND	---	1.44	mg/kg dry	10	04/04/25 17:52	EPA 6020B	DCNT
Silver	ND	---	0.288	mg/kg dry	10	04/04/25 17:52	EPA 6020B	DCNT

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Philip Nerenberg

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-TP04-8 (A5C1845-08)				**Matrix: Soil**		**Batch: 25C1052**		**DCNT**
% Solids	**71.6**	---	1.00	%	1	03/27/25 05:22	EPA 8000D	
OLF-Drum-5 (A5C1845-09)				**Matrix: Soil**		**Batch: 25C1052**		**DCNT**
% Solids	**74.3**	---	1.00	%	1	03/27/25 05:22	EPA 8000D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: Ontario Land Fill	
601 SW 2nd Ave Suite 1400	Project Number: 203724193	Report ID:
Portland, OR 97204	Project Manager: Carrie Rackey	A5C1845 - 04 15 25 1256

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1031 - EPA 3510C (Fuels/Acid Ext.)									Water			
Blank (25C1031-BLK1)			Prepared: 03/26/25 06:50 Analyzed: 03/26/25 18:07									
NWTPH-Dx												
Diesel	ND	---	0.200	mg/L	1	---	---	---	---	---	---	
Oil	ND	---	0.400	mg/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 99 %*	*Limits: 50-150 %*		*Dilution: 1x*							
LCS (25C1031-BS1)			Prepared: 03/26/25 06:50 Analyzed: 03/26/25 18:29									
NWTPH-Dx												
Diesel	1.06	---	0.200	mg/L	1	1.25	---	85	36-132%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 103 %*	*Limits: 50-150 %*		*Dilution: 1x*							
LCS Dup (25C1031-BSD1)			Prepared: 03/26/25 06:50 Analyzed: 03/26/25 18:50									Q-19
NWTPH-Dx												
Diesel	0.992	---	0.200	mg/L	1	1.25	---	79	36-132%	7	30%	
Surr: o-Terphenyl (Surr)		*Recovery: 102 %*	*Limits: 50-150 %*		*Dilution: 1x*							
Batch 25C1125 - EPA 3546 (Fuels)									Soil			
Blank (25C1125-BLK1)			Prepared: 03/27/25 12:24 Analyzed: 03/27/25 19:08									
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 81 %*	*Limits: 50-150 %*		*Dilution: 1x*							
LCS (25C1125-BS1)			Prepared: 03/27/25 12:24 Analyzed: 03/27/25 19:31									
NWTPH-Dx												
Diesel	113	---	20.0	mg/kg wet	1	125	---	90	38-132%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 86 %*	*Limits: 50-150 %*		*Dilution: 1x*							
Duplicate (25C1125-DUP1)			Prepared: 03/27/25 12:24 Analyzed: 03/27/25 20:17									
QC Source Sample: Non-SDG (A5C1834-01)												
Diesel	ND	---	20.6	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	41.2	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		*Recovery: 69 %*	*Limits: 50-150 %*		*Dilution: 1x*							

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1125 - EPA 3546 (Fuels)							**Soil**					

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0006 - EPA 3510C (Fuels/Acid Ext.)												**Water**
Blank (25D0006-BLK1)			Prepared: 04/01/25 07:18		Analyzed: 04/01/25 20:58							
NWTPH-Dx												
Diesel	ND	---	0.200	mg/L	1	---	---	---	---	---	---	
Oil	ND	---	0.400	mg/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 78 %*		*Limits: 50-150 %*				*Dilution: 1x*			
LCS (25D0006-BS1)			Prepared: 04/01/25 07:18		Analyzed: 04/01/25 21:18							
NWTPH-Dx												
Diesel	0.992	---	0.200	mg/L	1	1.25	---	79	36-132%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 85 %*		*Limits: 50-150 %*				*Dilution: 1x*			
LCS Dup (25D0006-BSD1)			Prepared: 04/01/25 07:18		Analyzed: 04/01/25 21:38							**Q-19**
NWTPH-Dx												
Diesel	1.01	---	0.200	mg/L	1	1.25	---	81	36-132%	2	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 90 %*		*Limits: 50-150 %*				*Dilution: 1x*			

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1036 - EPA 5030C									Water			
Blank (25C1036-BLK1)			Prepared: 03/26/25 08:00		Analyzed: 03/26/25 10:26							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	0.100	mg/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 88 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*112 %*		*50-150 %*				*"*			
LCS (25C1036-BS2)			Prepared: 03/26/25 08:00		Analyzed: 03/26/25 10:04							
NWTPH-Gx (MS)												
Gasoline Range Organics	0.448	---	0.100	mg/L	1	0.500	---	90	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 92 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*109 %*		*50-150 %*				*"*			
Duplicate (25C1036-DUP1)			Prepared: 03/26/25 10:58		Analyzed: 03/26/25 14:10							
QC Source Sample: Non-SDG (A5C1862-02)												
Gasoline Range Organics	**0.563**	---	0.250	mg/L	2.5	---	0.542	---	---	4	30%	F-12
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 88 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*129 %*		*50-150 %*				*"*			

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601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1055 - EPA 5035A												**Soil**
Blank (25C1055-BLK1)				Prepared: 03/26/25 10:00		Analyzed: 03/26/25 13:29						
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	5.00	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*105 %*		*50-150 %*			*"*					
LCS (25C1055-BS2)				Prepared: 03/26/25 10:00		Analyzed: 03/26/25 13:02						
NWTPH-Gx (MS)												
Gasoline Range Organics	26.7	---	5.00	mg/kg wet	50	25.0	---	107	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 96 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*102 %*		*50-150 %*			*"*					
Duplicate (25C1055-DUP1)				Prepared: 03/24/25 15:45		Analyzed: 03/26/25 15:19						
QC Source Sample: Non-SDG (A5C1831-01)												
Gasoline Range Organics	**252**	---	4.42	mg/kg dry	50	---	278	---	---	10	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 98 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*99 %*		*50-150 %*			*"*					

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Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1115 - EPA 5030C									Water			
Blank (25C1115-BLK1)				Prepared: 03/27/25 10:52		Analyzed: 03/27/25 13:18						
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	0.100	mg/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 89 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*114 %*	*50-150 %*			*"*					
LCS (25C1115-BS2)				Prepared: 03/27/25 10:52		Analyzed: 03/27/25 12:55						
NWTPH-Gx (MS)												
Gasoline Range Organics	0.452	---	0.100	mg/L	1	0.500	---	90	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 92 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*109 %*	*50-150 %*			*"*					
Duplicate (25C1115-DUP1)				Prepared: 03/27/25 10:52		Analyzed: 03/27/25 23:10						
QC Source Sample: Non-SDG (A5C1887-08)												
Gasoline Range Organics	ND	---	0.100	mg/L	1	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 85 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*113 %*	*50-150 %*			*"*					

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ANALYTICAL REPORT

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601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1036 - EPA 5030C							**Water**					
Blank (25C1036-BLK1)			Prepared: 03/26/25 08:00 Analyzed: 03/26/25 10:26									
EPA 8260D												
Acetone	ND	---	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1036 - EPA 5030C							**Water**					
Blank (25C1036-BLK1)			Prepared: 03/26/25 08:00		Analyzed: 03/26/25 10:26							
1,2-Dichloropropane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 102 %* *Limits: 80-120 %* *Dilution: 1x*

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

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601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1036 - EPA 5030C									Water			
Blank (25C1036-BLK1)			Prepared: 03/26/25 08:00 Analyzed: 03/26/25 10:26									
Surr: Toluene-d8 (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*				*"*				
LCS (25C1036-BS1)			Prepared: 03/26/25 08:00 Analyzed: 03/26/25 09:41									
EPA 8260D												
Acetone	36.4	---	20.0	ug/L	1	40.0	---	91	80-120%	---	---	
Acrylonitrile	19.4	---	2.00	ug/L	1	20.0	---	97	80-120%	---	---	
Benzene	18.7	---	0.200	ug/L	1	20.0	---	94	80-120%	---	---	
Bromobenzene	18.5	---	0.500	ug/L	1	20.0	---	93	80-120%	---	---	
Bromochloromethane	22.8	---	1.00	ug/L	1	20.0	---	114	80-120%	---	---	
Bromodichloromethane	22.0	---	1.00	ug/L	1	20.0	---	110	80-120%	---	---	
Bromoform	21.0	---	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
Bromomethane	25.6	---	5.00	ug/L	1	20.0	---	**128**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	37.2	---	10.0	ug/L	1	40.0	---	93	80-120%	---	---	
n-Butylbenzene	16.7	---	1.00	ug/L	1	20.0	---	83	80-120%	---	---	
sec-Butylbenzene	17.5	---	1.00	ug/L	1	20.0	---	87	80-120%	---	---	
tert-Butylbenzene	16.2	---	1.00	ug/L	1	20.0	---	81	80-120%	---	---	
Carbon disulfide	21.0	---	10.0	ug/L	1	20.0	---	105	80-120%	---	---	
Carbon tetrachloride	21.4	---	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
Chlorobenzene	19.4	---	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Chloroethane	29.9	---	5.00	ug/L	1	20.0	---	**150**	**80-120%**	---	---	Q-56
Chloroform	20.9	---	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
Chloromethane	20.2	---	5.00	ug/L	1	20.0	---	101	80-120%	---	---	
2-Chlorotoluene	17.4	---	1.00	ug/L	1	20.0	---	87	80-120%	---	---	
4-Chlorotoluene	17.8	---	1.00	ug/L	1	20.0	---	89	80-120%	---	---	
Dibromochloromethane	21.3	---	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
1,2-Dibromo-3-chloropropane	17.6	---	5.00	ug/L	1	20.0	---	88	80-120%	---	---	
1,2-Dibromoethane (EDB)	20.3	---	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Dibromomethane	21.7	---	1.00	ug/L	1	20.0	---	109	80-120%	---	---	
1,2-Dichlorobenzene	17.5	---	0.500	ug/L	1	20.0	---	87	80-120%	---	---	
1,3-Dichlorobenzene	18.6	---	0.500	ug/L	1	20.0	---	93	80-120%	---	---	
1,4-Dichlorobenzene	18.6	---	0.500	ug/L	1	20.0	---	93	80-120%	---	---	
Dichlorodifluoromethane	21.9	---	1.00	ug/L	1	20.0	---	109	80-120%	---	---	
1,1-Dichloroethane	20.8	---	0.400	ug/L	1	20.0	---	104	80-120%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1036 - EPA 5030C							**Water**					
LCS (25C1036-BS1)			Prepared: 03/26/25 08:00 Analyzed: 03/26/25 09:41									
1,2-Dichloroethane (EDC)	21.0	---	0.400	ug/L	1	20.0	---	105	80-120%	---	---	
1,1-Dichloroethene	20.5	---	0.400	ug/L	1	20.0	---	103	80-120%	---	---	
cis-1,2-Dichloroethene	18.1	---	0.400	ug/L	1	20.0	---	90	80-120%	---	---	
trans-1,2-Dichloroethene	18.9	---	0.400	ug/L	1	20.0	---	94	80-120%	---	---	
1,2-Dichloropropane	19.2	---	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
1,3-Dichloropropane	18.5	---	1.00	ug/L	1	20.0	---	92	80-120%	---	---	
2,2-Dichloropropane	24.5	---	1.00	ug/L	1	20.0	---	**122**	**80-120%**	---	---	Q-56
1,1-Dichloropropene	18.0	---	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
cis-1,3-Dichloropropene	19.3	---	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
trans-1,3-Dichloropropene	23.6	---	1.00	ug/L	1	20.0	---	118	80-120%	---	---	
Ethylbenzene	18.7	---	0.500	ug/L	1	20.0	---	93	80-120%	---	---	
Hexachlorobutadiene	14.4	---	5.00	ug/L	1	20.0	---	**72**	**80-120%**	---	---	Q-55
2-Hexanone	30.1	---	10.0	ug/L	1	40.0	---	**75**	**80-120%**	---	---	Q-55
Isopropylbenzene	16.8	---	1.00	ug/L	1	20.0	---	84	80-120%	---	---	
4-Isopropyltoluene	16.6	---	1.00	ug/L	1	20.0	---	83	80-120%	---	---	
Methylene chloride	21.2	---	10.0	ug/L	1	20.0	---	106	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	36.6	---	10.0	ug/L	1	40.0	---	91	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	17.5	---	1.00	ug/L	1	20.0	---	88	80-120%	---	---	
Naphthalene	11.6	---	5.00	ug/L	1	20.0	---	**58**	**80-120%**	---	---	Q-55
n-Propylbenzene	18.2	---	0.500	ug/L	1	20.0	---	91	80-120%	---	---	
Styrene	19.6	---	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
1,1,1,2-Tetrachloroethane	20.7	---	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
1,1,2,2-Tetrachloroethane	22.0	---	0.500	ug/L	1	20.0	---	110	80-120%	---	---	
Tetrachloroethene (PCE)	17.4	---	0.400	ug/L	1	20.0	---	87	80-120%	---	---	
Toluene	18.3	---	1.00	ug/L	1	20.0	---	92	80-120%	---	---	
1,2,3-Trichlorobenzene	14.5	---	2.00	ug/L	1	20.0	---	**72**	**80-120%**	---	---	Q-55
1,2,4-Trichlorobenzene	13.3	---	2.00	ug/L	1	20.0	---	**66**	**80-120%**	---	---	Q-55
1,1,1-Trichloroethane	20.9	---	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
1,1,2-Trichloroethane	19.9	---	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
Trichloroethene (TCE)	17.0	---	0.400	ug/L	1	20.0	---	85	80-120%	---	---	
Trichlorofluoromethane	32.8	---	2.00	ug/L	1	20.0	---	**164**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	20.3	---	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
1,2,4-Trimethylbenzene	18.3	---	1.00	ug/L	1	20.0	---	91	80-120%	---	---	
1,3,5-Trimethylbenzene	17.9	---	1.00	ug/L	1	20.0	---	90	80-120%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1036 - EPA 5030C									Water			
LCS (25C1036-BS1)			Prepared: 03/26/25 08:00 Analyzed: 03/26/25 09:41									
Vinyl chloride	19.7	---	0.200	ug/L	1	20.0	---	99	80-120%	---	---	
m,p-Xylene	38.3	---	1.00	ug/L	1	40.0	---	96	80-120%	---	---	
o-Xylene	16.3	---	0.500	ug/L	1	20.0	---	81	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*97 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*90 %*		*80-120 %*				*"*			
Duplicate (25C1036-DUP1)			Prepared: 03/26/25 10:58 Analyzed: 03/26/25 14:10									
QC Source Sample: Non-SDG (A5C1862-02)												
Acetone	ND	---	50.0	ug/L	2.5	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	5.00	ug/L	2.5	---	ND	---	---	---	30%	
Benzene	ND	---	0.500	ug/L	2.5	---	ND	---	---	---	30%	
Bromobenzene	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
Bromoform	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
Bromomethane	ND	---	12.5	ug/L	2.5	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	25.0	ug/L	2.5	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	25.0	ug/L	2.5	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	
Chloroethane	ND	---	12.5	ug/L	2.5	---	ND	---	---	---	30%	
Chloroform	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
Chloromethane	ND	---	12.5	ug/L	2.5	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	12.5	ug/L	2.5	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	
Dibromomethane	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1036 - EPA 5030C							**Water**					
Duplicate (25C1036-DUP1)			Prepared: 03/26/25 10:58 Analyzed: 03/26/25 14:10									
QC Source Sample: Non-SDG (A5C1862-02)												
1,3-Dichlorobenzene	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	1.00	ug/L	2.5	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	1.00	ug/L	2.5	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	1.00	ug/L	2.5	---	0.850	---	---	***	30%	
cis-1,2-Dichloroethene	**71.2**	---	1.00	ug/L	2.5	---	69.9	---	---	2	30%	
trans-1,2-Dichloroethene	ND	---	1.00	ug/L	2.5	---	0.600	---	---	***	30%	
1,2-Dichloropropane	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	12.5	ug/L	2.5	---	ND	---	---	---	30%	
2-Hexanone	ND	---	25.0	ug/L	2.5	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
Methylene chloride	ND	---	25.0	ug/L	2.5	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	25.0	ug/L	2.5	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
Naphthalene	ND	---	12.5	ug/L	2.5	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	
Styrene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	1.00	ug/L	2.5	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	**3.42**	---	1.00	ug/L	2.5	---	3.05	---	---	12	30%	
Toluene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	5.00	ug/L	2.5	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	5.00	ug/L	2.5	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	1.00	ug/L	2.5	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1036 - EPA 5030C							**Water**					
Duplicate (25C1036-DUP1)			Prepared: 03/26/25 10:58 Analyzed: 03/26/25 14:10									
QC Source Sample: Non-SDG (A5C1862-02)												
Trichloroethene (TCE)	**355**	---	1.00	ug/L	2.5	---	344	---	---	3	30%	
Trichlorofluoromethane	ND	---	5.00	ug/L	2.5	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
Vinyl chloride	**0.650**	---	0.500	ug/L	2.5	---	0.650	---	---	0	30%	
m,p-Xylene	ND	---	2.50	ug/L	2.5	---	ND	---	---	---	30%	
o-Xylene	ND	---	1.25	ug/L	2.5	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 117 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*105 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*98 %*		*80-120 %*				*"*			
Matrix Spike (25C1036-MS1)			Prepared: 03/26/25 10:58 Analyzed: 03/26/25 14:33									
QC Source Sample: Non-SDG (A5C1847-01)												
EPA 8260D												
Acetone	136	---	20.0	ug/L	1	40.0	108	71	39-160%	---	---	
Acrylonitrile	18.7	---	2.00	ug/L	1	20.0	ND	93	63-135%	---	---	
Benzene	19.8	---	0.200	ug/L	1	20.0	ND	99	79-120%	---	---	
Bromobenzene	19.5	---	0.500	ug/L	1	20.0	ND	97	80-120%	---	---	
Bromochloromethane	23.7	---	1.00	ug/L	1	20.0	ND	118	78-123%	---	---	
Bromodichloromethane	23.1	---	1.00	ug/L	1	20.0	ND	116	79-125%	---	---	
Bromoform	22.4	---	1.00	ug/L	1	20.0	ND	112	66-130%	---	---	
Bromomethane	29.6	---	5.00	ug/L	1	20.0	ND	**148**	**53-141%**	---	---	Q-54h
2-Butanone (MEK)	39.0	---	10.0	ug/L	1	40.0	ND	98	56-143%	---	---	
n-Butylbenzene	18.0	---	1.00	ug/L	1	20.0	ND	90	75-128%	---	---	
sec-Butylbenzene	19.0	---	1.00	ug/L	1	20.0	ND	95	77-126%	---	---	
tert-Butylbenzene	17.2	---	1.00	ug/L	1	20.0	ND	86	78-124%	---	---	
Carbon disulfide	21.9	---	10.0	ug/L	1	20.0	ND	109	64-133%	---	---	
Carbon tetrachloride	22.7	---	1.00	ug/L	1	20.0	ND	114	72-136%	---	---	
Chlorobenzene	20.8	---	0.500	ug/L	1	20.0	ND	104	80-120%	---	---	
Chloroethane	31.8	---	5.00	ug/L	1	20.0	ND	**159**	**60-138%**	---	---	Q-54c
Chloroform	22.1	---	1.00	ug/L	1	20.0	ND	110	79-124%	---	---	
Chloromethane	23.2	---	5.00	ug/L	1	20.0	ND	116	50-139%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1036 - EPA 5030C							**Water**					
Matrix Spike (25C1036-MS1)			Prepared: 03/26/25 10:58		Analyzed: 03/26/25 14:33							
QC Source Sample: Non-SDG (A5C1847-01)												
2-Chlorotoluene	18.8	---	1.00	ug/L	1	20.0	ND	94	79-122%	---	---	
4-Chlorotoluene	19.3	---	1.00	ug/L	1	20.0	ND	97	78-122%	---	---	
Dibromochloromethane	22.2	---	1.00	ug/L	1	20.0	ND	111	74-126%	---	---	
1,2-Dibromo-3-chloropropane	19.0	---	5.00	ug/L	1	20.0	ND	95	62-128%	---	---	
1,2-Dibromoethane (EDB)	21.4	---	0.500	ug/L	1	20.0	ND	107	77-121%	---	---	
Dibromomethane	22.5	---	1.00	ug/L	1	20.0	ND	112	79-123%	---	---	
1,2-Dichlorobenzene	18.6	---	0.500	ug/L	1	20.0	ND	93	80-120%	---	---	
1,3-Dichlorobenzene	20.1	---	0.500	ug/L	1	20.0	ND	100	80-120%	---	---	
1,4-Dichlorobenzene	19.9	---	0.500	ug/L	1	20.0	ND	99	79-120%	---	---	
Dichlorodifluoromethane	23.0	---	1.00	ug/L	1	20.0	ND	115	32-152%	---	---	
1,1-Dichloroethane	21.9	---	0.400	ug/L	1	20.0	ND	110	77-125%	---	---	
1,2-Dichloroethane (EDC)	21.9	---	0.400	ug/L	1	20.0	ND	109	73-128%	---	---	
1,1-Dichloroethene	21.5	---	0.400	ug/L	1	20.0	ND	107	71-131%	---	---	
cis-1,2-Dichloroethene	18.8	---	0.400	ug/L	1	20.0	ND	94	78-123%	---	---	
trans-1,2-Dichloroethene	20.4	---	0.400	ug/L	1	20.0	ND	102	75-124%	---	---	
1,2-Dichloropropane	20.1	---	0.500	ug/L	1	20.0	ND	101	78-122%	---	---	
1,3-Dichloropropane	19.4	---	1.00	ug/L	1	20.0	ND	97	80-120%	---	---	
2,2-Dichloropropane	24.4	---	1.00	ug/L	1	20.0	ND	122	60-139%	---	---	Q-54b
1,1-Dichloropropene	19.0	---	1.00	ug/L	1	20.0	ND	95	79-125%	---	---	
cis-1,3-Dichloropropene	20.0	---	1.00	ug/L	1	20.0	ND	100	75-124%	---	---	
trans-1,3-Dichloropropene	25.1	---	1.00	ug/L	1	20.0	ND	125	73-127%	---	---	
Ethylbenzene	20.1	---	0.500	ug/L	1	20.0	ND	100	79-121%	---	---	
Hexachlorobutadiene	14.9	---	5.00	ug/L	1	20.0	ND	74	66-134%	---	---	Q-54q
2-Hexanone	30.3	---	10.0	ug/L	1	40.0	ND	76	57-139%	---	---	Q-54p
Isopropylbenzene	17.8	---	1.00	ug/L	1	20.0	ND	89	72-131%	---	---	
4-Isopropyltoluene	18.0	---	1.00	ug/L	1	20.0	ND	90	77-127%	---	---	
Methylene chloride	21.6	---	10.0	ug/L	1	20.0	ND	108	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	37.0	---	10.0	ug/L	1	40.0	ND	93	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	17.8	---	1.00	ug/L	1	20.0	ND	89	71-124%	---	---	
Naphthalene	12.5	---	5.00	ug/L	1	20.0	ND	62	61-128%	---	---	Q-54o
n-Propylbenzene	19.5	---	0.500	ug/L	1	20.0	ND	98	76-126%	---	---	
Styrene	20.7	---	1.00	ug/L	1	20.0	ND	104	78-123%	---	---	
1,1,1,2-Tetrachloroethane	21.7	---	0.400	ug/L	1	20.0	ND	108	78-124%	---	---	

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1036 - EPA 5030C							**Water**					
Matrix Spike (25C1036-MS1)			Prepared: 03/26/25 10:58 Analyzed: 03/26/25 14:33									
QC Source Sample: Non-SDG (A5C1847-01)												
1,1,2,2-Tetrachloroethane	23.4	---	0.500	ug/L	1	20.0	ND	117	71-121%	---	---	
Tetrachloroethene (PCE)	18.4	---	0.400	ug/L	1	20.0	ND	92	74-129%	---	---	
Toluene	19.6	---	1.00	ug/L	1	20.0	ND	98	80-121%	---	---	
1,2,3-Trichlorobenzene	15.7	---	2.00	ug/L	1	20.0	ND	78	69-129%	---	---	Q-54q
1,2,4-Trichlorobenzene	14.3	---	2.00	ug/L	1	20.0	ND	71	69-130%	---	---	Q-54l
1,1,1-Trichloroethane	22.0	---	0.400	ug/L	1	20.0	ND	110	74-131%	---	---	
1,1,2-Trichloroethane	20.9	---	0.500	ug/L	1	20.0	ND	104	80-120%	---	---	
Trichloroethene (TCE)	18.0	---	0.400	ug/L	1	20.0	ND	90	79-123%	---	---	
Trichlorofluoromethane	34.6	---	2.00	ug/L	1	20.0	ND	**173**	**65-141%**	---	---	Q-54e
1,2,3-Trichloropropane	21.6	---	1.00	ug/L	1	20.0	ND	108	73-122%	---	---	
1,2,4-Trimethylbenzene	19.5	---	1.00	ug/L	1	20.0	ND	98	76-124%	---	---	
1,3,5-Trimethylbenzene	19.2	---	1.00	ug/L	1	20.0	ND	96	75-124%	---	---	
Vinyl chloride	22.0	---	0.200	ug/L	1	20.0	ND	110	58-137%	---	---	
m,p-Xylene	41.3	---	1.00	ug/L	1	40.0	ND	103	80-121%	---	---	
o-Xylene	17.3	---	0.500	ug/L	1	20.0	ND	87	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 100 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*98 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*89 %*		*80-120 %*			*"*					

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1055 - EPA 5035A							**Soil**					
Blank (25C1055-BLK1)			Prepared: 03/26/25 10:00 Analyzed: 03/26/25 13:29									
5035A/8260D												
Acetone	ND	---	1000	ug/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1055 - EPA 5035A							**Soil**					
Blank (25C1055-BLK1)			Prepared: 03/26/25 10:00 Analyzed: 03/26/25 13:29									
1,2-Dichloropropane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 107 %* *Limits: 80-120 %* *Dilution: 1x*

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1055 - EPA 5035A												**Soil**
Blank (25C1055-BLK1)			Prepared: 03/26/25 10:00 Analyzed: 03/26/25 13:29									
Surr: Toluene-d8 (Surr)			*Recovery: 100 %*	*Limits: 80-120 %*					*Dilution: 1x*			
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*					*"*			
LCS (25C1055-BS1)			Prepared: 03/26/25 10:00 Analyzed: 03/26/25 12:35									
5035A/8260D												
Acetone	1930	---	1000	ug/kg wet	50	2000	---	96	80-120%	---	---	
Acrylonitrile	1100	---	100	ug/kg wet	50	1000	---	110	80-120%	---	---	
Benzene	1100	---	10.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Bromobenzene	1090	---	25.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
Bromochloromethane	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Bromodichloromethane	1080	---	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Bromoform	954	---	100	ug/kg wet	50	1000	---	95	80-120%	---	---	
Bromomethane	1050	---	500	ug/kg wet	50	1000	---	105	80-120%	---	---	
2-Butanone (MEK)	2030	---	500	ug/kg wet	50	2000	---	101	80-120%	---	---	
n-Butylbenzene	1070	---	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
sec-Butylbenzene	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
tert-Butylbenzene	1000	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Carbon disulfide	1120	---	500	ug/kg wet	50	1000	---	112	80-120%	---	---	
Carbon tetrachloride	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Chlorobenzene	1110	---	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
Chloroethane	808	---	500	ug/kg wet	50	1000	---	81	80-120%	---	---	
Chloroform	1110	---	50.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
Chloromethane	954	---	250	ug/kg wet	50	1000	---	95	80-120%	---	---	
2-Chlorotoluene	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
4-Chlorotoluene	1080	---	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Dibromochloromethane	974	---	100	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,2-Dibromo-3-chloropropane	916	---	250	ug/kg wet	50	1000	---	92	80-120%	---	---	
1,2-Dibromoethane (EDB)	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Dibromomethane	1130	---	50.0	ug/kg wet	50	1000	---	113	80-120%	---	---	
1,2-Dichlorobenzene	1030	---	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,3-Dichlorobenzene	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,4-Dichlorobenzene	1090	---	25.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
Dichlorodifluoromethane	1050	---	100	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,1-Dichloroethane	1110	---	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	

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Philip Nerenberg

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1055 - EPA 5035A							**Soil**					
LCS (25C1055-BS1)			Prepared: 03/26/25 10:00 Analyzed: 03/26/25 12:35									
1,2-Dichloroethane (EDC)	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,1-Dichloroethene	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
cis-1,2-Dichloroethene	1100	---	25.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
trans-1,2-Dichloroethene	1120	---	25.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
1,2-Dichloropropane	1130	---	25.0	ug/kg wet	50	1000	---	113	80-120%	---	---	
1,3-Dichloropropane	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
2,2-Dichloropropane	1140	---	50.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
1,1-Dichloropropene	1130	---	50.0	ug/kg wet	50	1000	---	113	80-120%	---	---	
cis-1,3-Dichloropropene	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
trans-1,3-Dichloropropene	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Ethylbenzene	1100	---	25.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Hexachlorobutadiene	982	---	100	ug/kg wet	50	1000	---	98	80-120%	---	---	
2-Hexanone	1780	---	500	ug/kg wet	50	2000	---	89	80-120%	---	---	
Isopropylbenzene	1090	---	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
4-Isopropyltoluene	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Methylene chloride	1060	---	500	ug/kg wet	50	1000	---	106	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1760	---	500	ug/kg wet	50	2000	---	88	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Naphthalene	1000	---	100	ug/kg wet	50	1000	---	100	80-120%	---	---	
n-Propylbenzene	1120	---	25.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
Styrene	1080	---	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Tetrachloroethene (PCE)	1100	---	25.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Toluene	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,2,3-Trichlorobenzene	1000	---	250	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,2,4-Trichlorobenzene	1010	---	250	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,1,1-Trichloroethane	1080	---	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,1,2-Trichloroethane	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Trichloroethene (TCE)	1130	---	25.0	ug/kg wet	50	1000	---	113	80-120%	---	---	
Trichlorofluoromethane	846	---	250	ug/kg wet	50	1000	---	85	80-120%	---	---	
1,2,3-Trichloropropane	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,2,4-Trimethylbenzene	1090	---	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
1,3,5-Trimethylbenzene	1110	---	50.0	ug/kg wet	50	1000	---	111	80-120%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1055 - EPA 5035A							Soil					
LCS (25C1055-BS1)			Prepared: 03/26/25 10:00 Analyzed: 03/26/25 12:35									
Vinyl chloride	1140	---	25.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
m,p-Xylene	2230	---	50.0	ug/kg wet	50	2000	---	111	80-120%	---	---	
o-Xylene	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 105 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*102 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*79-120 %*			*"*				
Duplicate (25C1055-DUP1)			Prepared: 03/24/25 15:45 Analyzed: 03/26/25 15:19									
QC Source Sample: Non-SDG (A5C1831-01)												
Acetone	ND	---	885	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	88.5	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	8.85	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	---	88.5	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	---	442	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	442	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	**287**	---	44.2	ug/kg dry	50	---	285	---	---	0.6	30%	M-02
sec-Butylbenzene	**103**	---	44.2	ug/kg dry	50	---	103	---	---	0.4	30%	
tert-Butylbenzene	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	442	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	---	442	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	---	221	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	53.1	ug/kg dry	50	---	ND	---	---	---	30%	R-02
Dibromochloromethane	ND	---	88.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	221	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1055 - EPA 5035A							**Soil**					
Duplicate (25C1055-DUP1)			Prepared: 03/24/25 15:45 Analyzed: 03/26/25 15:19									
QC Source Sample: Non-SDG (A5C1831-01)												
1,3-Dichlorobenzene	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	88.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	22.1	ug/kg dry	50	---	18.6	---	---	***	30%	
Hexachlorobutadiene	ND	---	88.5	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	442	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	**80.9**	---	44.2	ug/kg dry	50	---	105	---	---	26	30%	M-02
Methylene chloride	ND	---	442	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	442	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	447	ug/kg dry	50	---	ND	---	---	---	30%	R-02
n-Propylbenzene	**31.4**	---	22.1	ug/kg dry	50	---	30.1	---	---	4	30%	
Styrene	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	57.5	ug/kg dry	50	---	ND	---	---	---	30%	R-02
Tetrachloroethene (PCE)	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	44.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	221	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	221	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1055 - EPA 5035A							**Soil**					
Duplicate (25C1055-DUP1)			Prepared: 03/24/25 15:45		Analyzed: 03/26/25 15:19							
QC Source Sample: Non-SDG (A5C1831-01)												
Trichloroethene (TCE)	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	221	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	88.5	ug/kg dry	50	---	ND	---	---	---	30%	R-02
1,2,4-Trimethylbenzene	**102**	---	44.2	ug/kg dry	50	---	102	---	---	0	30%	
1,3,5-Trimethylbenzene	**310**	---	44.2	ug/kg dry	50	---	305	---	---	2	30%	
Vinyl chloride	ND	---	22.1	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	44.2	ug/kg dry	50	---	30.5	---	---	***	30%	
o-Xylene	**34.5**	---	22.1	ug/kg dry	50	---	33.6	---	---	3	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 110 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*97 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*104 %*		*79-120 %*				*"*			
Matrix Spike (25C1055-MS1)			Prepared: 03/24/25 10:15		Analyzed: 03/26/25 16:42							
QC Source Sample: Non-SDG (A5C1815-02)												
5035A/8260D												
Acetone	2620	---	1420	ug/kg dry	50	2830	ND	93	36-164%	---	---	
Acrylonitrile	1520	---	142	ug/kg dry	50	1420	ND	108	65-134%	---	---	
Benzene	1580	---	14.2	ug/kg dry	50	1420	ND	112	77-121%	---	---	
Bromobenzene	1570	---	35.4	ug/kg dry	50	1420	ND	111	78-121%	---	---	
Bromochloromethane	1510	---	70.8	ug/kg dry	50	1420	ND	106	78-125%	---	---	
Bromodichloromethane	1500	---	70.8	ug/kg dry	50	1420	ND	106	75-127%	---	---	
Bromoform	1310	---	142	ug/kg dry	50	1420	ND	92	67-132%	---	---	
Bromomethane	1420	---	708	ug/kg dry	50	1420	ND	100	53-143%	---	---	
2-Butanone (MEK)	2650	---	708	ug/kg dry	50	2830	ND	93	51-148%	---	---	
n-Butylbenzene	1500	---	70.8	ug/kg dry	50	1420	ND	106	70-128%	---	---	
sec-Butylbenzene	1570	---	70.8	ug/kg dry	50	1420	ND	111	73-126%	---	---	
tert-Butylbenzene	1410	---	70.8	ug/kg dry	50	1420	ND	100	73-125%	---	---	
Carbon disulfide	1640	---	708	ug/kg dry	50	1420	ND	116	63-132%	---	---	
Carbon tetrachloride	1590	---	70.8	ug/kg dry	50	1420	ND	113	70-135%	---	---	
Chlorobenzene	1560	---	35.4	ug/kg dry	50	1420	ND	110	79-120%	---	---	
Chloroethane	1120	---	708	ug/kg dry	50	1420	ND	79	59-139%	---	---	
Chloroform	1570	---	70.8	ug/kg dry	50	1420	ND	111	78-123%	---	---	
Chloromethane	1380	---	354	ug/kg dry	50	1420	ND	97	50-136%	---	---	

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: Ontario Land Fill	
601 SW 2nd Ave Suite 1400	Project Number: 203724193	Report ID:
Portland, OR 97204	Project Manager: Carrie Rackey	A5C1845 - 04 15 25 1256

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1055 - EPA 5035A							Soil					
Matrix Spike (25C1055-MS1)			Prepared: 03/24/25 10:15 Analyzed: 03/26/25 16:42									
QC Source Sample: Non-SDG (A5C1815-02)												
2-Chlorotoluene	1560	---	70.8	ug/kg dry	50	1420	ND	110	75-122%	---	---	
4-Chlorotoluene	1500	---	70.8	ug/kg dry	50	1420	ND	106	72-124%	---	---	
Dibromochloromethane	1330	---	142	ug/kg dry	50	1420	ND	94	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1240	---	354	ug/kg dry	50	1420	ND	87	61-132%	---	---	
1,2-Dibromoethane (EDB)	1500	---	70.8	ug/kg dry	50	1420	ND	106	78-122%	---	---	
Dibromomethane	1580	---	70.8	ug/kg dry	50	1420	ND	112	78-125%	---	---	
1,2-Dichlorobenzene	1430	---	35.4	ug/kg dry	50	1420	ND	101	78-121%	---	---	
1,3-Dichlorobenzene	1480	---	35.4	ug/kg dry	50	1420	ND	104	77-121%	---	---	
1,4-Dichlorobenzene	1510	---	35.4	ug/kg dry	50	1420	ND	107	75-120%	---	---	
Dichlorodifluoromethane	1580	---	142	ug/kg dry	50	1420	ND	111	29-149%	---	---	
1,1-Dichloroethane	1570	---	35.4	ug/kg dry	50	1420	ND	111	76-125%	---	---	
1,2-Dichloroethane (EDC)	1410	---	35.4	ug/kg dry	50	1420	ND	100	73-128%	---	---	
1,1-Dichloroethene	1550	---	35.4	ug/kg dry	50	1420	ND	109	70-131%	---	---	
cis-1,2-Dichloroethene	1560	---	35.4	ug/kg dry	50	1420	ND	110	77-123%	---	---	
trans-1,2-Dichloroethene	1600	---	35.4	ug/kg dry	50	1420	ND	113	74-125%	---	---	
1,2-Dichloropropane	1590	---	35.4	ug/kg dry	50	1420	ND	113	76-123%	---	---	
1,3-Dichloropropane	1400	---	70.8	ug/kg dry	50	1420	ND	99	77-121%	---	---	
2,2-Dichloropropane	1550	---	70.8	ug/kg dry	50	1420	ND	110	67-133%	---	---	
1,1-Dichloropropene	1650	---	70.8	ug/kg dry	50	1420	ND	117	76-125%	---	---	
cis-1,3-Dichloropropene	1480	---	70.8	ug/kg dry	50	1420	ND	104	74-126%	---	---	
trans-1,3-Dichloropropene	1390	---	70.8	ug/kg dry	50	1420	ND	99	71-130%	---	---	
Ethylbenzene	1530	---	35.4	ug/kg dry	50	1420	ND	108	76-122%	---	---	
Hexachlorobutadiene	1550	---	142	ug/kg dry	50	1420	ND	110	61-135%	---	---	
2-Hexanone	2340	---	708	ug/kg dry	50	2830	ND	83	53-145%	---	---	
Isopropylbenzene	1550	---	70.8	ug/kg dry	50	1420	ND	109	68-134%	---	---	
4-Isopropyltoluene	1520	---	70.8	ug/kg dry	50	1420	ND	107	73-127%	---	---	
Methylene chloride	1530	---	708	ug/kg dry	50	1420	ND	108	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	2310	---	708	ug/kg dry	50	2830	ND	82	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1490	---	70.8	ug/kg dry	50	1420	ND	105	73-125%	---	---	
Naphthalene	1410	---	142	ug/kg dry	50	1420	ND	100	62-129%	---	---	
n-Propylbenzene	1560	---	35.4	ug/kg dry	50	1420	ND	110	73-125%	---	---	
Styrene	1500	---	70.8	ug/kg dry	50	1420	ND	106	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1450	---	35.4	ug/kg dry	50	1420	ND	102	78-125%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1055 - EPA 5035A							**Soil**					
Matrix Spike (25C1055-MS1)			Prepared: 03/24/25 10:15		Analyzed: 03/26/25 16:42							
QC Source Sample: Non-SDG (A5C1815-02)												
1,1,2,2-Tetrachloroethane	1300	---	70.8	ug/kg dry	50	1420	ND	92	70-124%	---	---	
Tetrachloroethene (PCE)	1610	---	35.4	ug/kg dry	50	1420	ND	114	73-128%	---	---	
Toluene	1490	---	70.8	ug/kg dry	50	1420	ND	105	77-121%	---	---	
1,2,3-Trichlorobenzene	1430	---	354	ug/kg dry	50	1420	ND	101	66-130%	---	---	
1,2,4-Trichlorobenzene	1450	---	354	ug/kg dry	50	1420	ND	103	67-129%	---	---	
1,1,1-Trichloroethane	1570	---	35.4	ug/kg dry	50	1420	ND	111	73-130%	---	---	
1,1,2-Trichloroethane	1420	---	35.4	ug/kg dry	50	1420	ND	100	78-121%	---	---	
Trichloroethene (TCE)	1740	---	35.4	ug/kg dry	50	1420	ND	123	77-123%	---	---	
Trichlorofluoromethane	1150	---	354	ug/kg dry	50	1420	ND	81	62-140%	---	---	
1,2,3-Trichloropropane	1370	---	70.8	ug/kg dry	50	1420	ND	97	73-125%	---	---	
1,2,4-Trimethylbenzene	1560	---	70.8	ug/kg dry	50	1420	ND	110	75-123%	---	---	
1,3,5-Trimethylbenzene	1570	---	70.8	ug/kg dry	50	1420	ND	111	73-124%	---	---	
Vinyl chloride	1670	---	35.4	ug/kg dry	50	1420	ND	118	56-135%	---	---	
m,p-Xylene	3100	---	70.8	ug/kg dry	50	2830	ND	109	77-124%	---	---	
o-Xylene	1470	---	35.4	ug/kg dry	50	1420	ND	104	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*79-120 %*			*"*				

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Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1115 - EPA 5030C							**Water**					
Blank (25C1115-BLK1)			Prepared: 03/27/25 10:52 Analyzed: 03/27/25 13:18									
EPA 8260D												
Acetone	ND	---	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1115 - EPA 5030C							**Water**					
Blank (25C1115-BLK1)			Prepared: 03/27/25 10:52 Analyzed: 03/27/25 13:18									
1,2-Dichloropropane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 102 %* *Limits: 80-120 %* *Dilution: 1x*

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Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1115 - EPA 5030C									Water			
Blank (25C1115-BLK1)			Prepared: 03/27/25 10:52 Analyzed: 03/27/25 13:18									
Surr: Toluene-d8 (Surr)			*Recovery: 103 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*				*"*				
LCS (25C1115-BS1)			Prepared: 03/27/25 10:52 Analyzed: 03/27/25 12:22									
EPA 8260D												
Acetone	38.7	---	20.0	ug/L	1	40.0	---	97	80-120%	---	---	
Acrylonitrile	19.7	---	2.00	ug/L	1	20.0	---	99	80-120%	---	---	
Benzene	18.9	---	0.200	ug/L	1	20.0	---	94	80-120%	---	---	
Bromobenzene	19.5	---	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Bromochloromethane	24.1	---	1.00	ug/L	1	20.0	---	**121**	**80-120%**	---	---	Q-56
Bromodichloromethane	23.5	---	1.00	ug/L	1	20.0	---	118	80-120%	---	---	
Bromoform	23.6	---	1.00	ug/L	1	20.0	---	118	80-120%	---	---	
Bromomethane	27.1	---	5.00	ug/L	1	20.0	---	**135**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	38.6	---	10.0	ug/L	1	40.0	---	97	80-120%	---	---	
n-Butylbenzene	16.8	---	1.00	ug/L	1	20.0	---	84	80-120%	---	---	
sec-Butylbenzene	18.3	---	1.00	ug/L	1	20.0	---	91	80-120%	---	---	
tert-Butylbenzene	16.6	---	1.00	ug/L	1	20.0	---	83	80-120%	---	---	
Carbon disulfide	21.3	---	10.0	ug/L	1	20.0	---	106	80-120%	---	---	
Carbon tetrachloride	22.2	---	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
Chlorobenzene	20.0	---	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
Chloroethane	31.7	---	5.00	ug/L	1	20.0	---	**159**	**80-120%**	---	---	Q-56
Chloroform	21.5	---	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
Chloromethane	21.4	---	5.00	ug/L	1	20.0	---	107	80-120%	---	---	
2-Chlorotoluene	18.2	---	1.00	ug/L	1	20.0	---	91	80-120%	---	---	
4-Chlorotoluene	18.9	---	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
Dibromochloromethane	23.1	---	1.00	ug/L	1	20.0	---	116	80-120%	---	---	
1,2-Dibromo-3-chloropropane	20.2	---	5.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,2-Dibromoethane (EDB)	21.6	---	0.500	ug/L	1	20.0	---	108	80-120%	---	---	
Dibromomethane	23.0	---	1.00	ug/L	1	20.0	---	115	80-120%	---	---	
1,2-Dichlorobenzene	18.9	---	0.500	ug/L	1	20.0	---	94	80-120%	---	---	
1,3-Dichlorobenzene	19.8	---	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
1,4-Dichlorobenzene	19.5	---	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Dichlorodifluoromethane	21.7	---	1.00	ug/L	1	20.0	---	109	80-120%	---	---	
1,1-Dichloroethane	21.4	---	0.400	ug/L	1	20.0	---	107	80-120%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1115 - EPA 5030C							**Water**					
LCS (25C1115-BS1)			Prepared: 03/27/25 10:52 Analyzed: 03/27/25 12:22									
1,2-Dichloroethane (EDC)	22.0	---	0.400	ug/L	1	20.0	---	110	80-120%	---	---	
1,1-Dichloroethene	20.8	---	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
cis-1,2-Dichloroethene	18.1	---	0.400	ug/L	1	20.0	---	91	80-120%	---	---	
trans-1,2-Dichloroethene	18.8	---	0.400	ug/L	1	20.0	---	94	80-120%	---	---	
1,2-Dichloropropane	19.9	---	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
1,3-Dichloropropane	19.2	---	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
2,2-Dichloropropane	24.0	---	1.00	ug/L	1	20.0	---	120	80-120%	---	---	
1,1-Dichloropropene	17.4	---	1.00	ug/L	1	20.0	---	87	80-120%	---	---	
cis-1,3-Dichloropropene	19.8	---	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
trans-1,3-Dichloropropene	25.4	---	1.00	ug/L	1	20.0	---	**127**	**80-120%**	---	---	Q-56
Ethylbenzene	19.1	---	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
Hexachlorobutadiene	14.0	---	5.00	ug/L	1	20.0	---	**70**	**80-120%**	---	---	Q-55
2-Hexanone	31.6	---	10.0	ug/L	1	40.0	---	**79**	**80-120%**	---	---	Q-55
Isopropylbenzene	16.6	---	1.00	ug/L	1	20.0	---	83	80-120%	---	---	
4-Isopropyltoluene	17.3	---	1.00	ug/L	1	20.0	---	87	80-120%	---	---	
Methylene chloride	22.2	---	10.0	ug/L	1	20.0	---	111	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	38.2	---	10.0	ug/L	1	40.0	---	96	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	17.9	---	1.00	ug/L	1	20.0	---	89	80-120%	---	---	
Naphthalene	12.1	---	5.00	ug/L	1	20.0	---	**60**	**80-120%**	---	---	Q-55
n-Propylbenzene	18.9	---	0.500	ug/L	1	20.0	---	95	80-120%	---	---	
Styrene	20.6	---	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
1,1,1,2-Tetrachloroethane	22.0	---	0.400	ug/L	1	20.0	---	110	80-120%	---	---	
1,1,2,2-Tetrachloroethane	24.3	---	0.500	ug/L	1	20.0	---	**122**	**80-120%**	---	---	Q-56
Tetrachloroethene (PCE)	17.3	---	0.400	ug/L	1	20.0	---	86	80-120%	---	---	
Toluene	18.8	---	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
1,2,3-Trichlorobenzene	15.5	---	2.00	ug/L	1	20.0	---	**78**	**80-120%**	---	---	Q-55
1,2,4-Trichlorobenzene	13.4	---	2.00	ug/L	1	20.0	---	**67**	**80-120%**	---	---	Q-55
1,1,1-Trichloroethane	21.3	---	0.400	ug/L	1	20.0	---	106	80-120%	---	---	
1,1,2-Trichloroethane	21.2	---	0.500	ug/L	1	20.0	---	106	80-120%	---	---	
Trichloroethene (TCE)	16.7	---	0.400	ug/L	1	20.0	---	84	80-120%	---	---	
Trichlorofluoromethane	33.6	---	2.00	ug/L	1	20.0	---	**168**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	22.3	---	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
1,2,4-Trimethylbenzene	19.3	---	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
1,3,5-Trimethylbenzene	18.8	---	1.00	ug/L	1	20.0	---	94	80-120%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1115 - EPA 5030C							**Water**					
LCS (25C1115-BS1)			Prepared: 03/27/25 10:52 Analyzed: 03/27/25 12:22									
Vinyl chloride	19.9	---	0.200	ug/L	1	20.0	---	100	80-120%	---	---	
m,p-Xylene	39.0	---	1.00	ug/L	1	40.0	---	97	80-120%	---	---	
o-Xylene	16.1	---	0.500	ug/L	1	20.0	---	81	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*98 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*89 %*		*80-120 %*				*"*			
Duplicate (25C1115-DUP1)			Prepared: 03/27/25 10:52 Analyzed: 03/27/25 23:10									
QC Source Sample: Non-SDG (A5C1887-08)												
Acetone	ND	---	20.0	ug/L	1	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	**0.690**	---	0.200	ug/L	1	---	0.670	---	---	3	30%	
Bromobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	**16.0**	---	10.0	ug/L	1	---	16.5	---	---	3	30%	
n-Butylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1115 - EPA 5030C							**Water**					
Duplicate (25C1115-DUP1)			Prepared: 03/27/25 10:52 Analyzed: 03/27/25 23:10									
QC Source Sample: Non-SDG (A5C1887-08)												
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	---	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Methylene chloride	ND	---	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1115 - EPA 5030C							**Water**					
Duplicate (25C1115-DUP1)			Prepared: 03/27/25 10:52 Analyzed: 03/27/25 23:10									
QC Source Sample: Non-SDG (A5C1887-08)												
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*104 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*				*"*			
Matrix Spike (25C1115-MS1)			Prepared: 03/27/25 10:52 Analyzed: 03/27/25 18:18									
QC Source Sample: Non-SDG (A5C1887-01)												
EPA 8260D												
Acetone	48.2	---	20.0	ug/L	1	40.0	ND	95	39-160%	---	---	
Acrylonitrile	20.2	---	2.00	ug/L	1	20.0	ND	101	63-135%	---	---	
Benzene	20.6	---	0.200	ug/L	1	20.0	ND	103	79-120%	---	---	
Bromobenzene	20.4	---	0.500	ug/L	1	20.0	ND	102	80-120%	---	---	
Bromochloromethane	25.1	---	1.00	ug/L	1	20.0	ND	**125**	**78-123%**	---	---	Q-54
Bromodichloromethane	24.0	---	1.00	ug/L	1	20.0	ND	120	79-125%	---	---	
Bromoform	22.5	---	1.00	ug/L	1	20.0	ND	113	66-130%	---	---	
Bromomethane	29.8	---	5.00	ug/L	1	20.0	ND	**149**	**53-141%**	---	---	Q-54a
2-Butanone (MEK)	61.8	---	10.0	ug/L	1	40.0	18.5	108	56-143%	---	---	
n-Butylbenzene	18.6	---	1.00	ug/L	1	20.0	ND	93	75-128%	---	---	
sec-Butylbenzene	19.7	---	1.00	ug/L	1	20.0	ND	99	77-126%	---	---	
tert-Butylbenzene	17.8	---	1.00	ug/L	1	20.0	ND	89	78-124%	---	---	
Carbon disulfide	23.3	---	10.0	ug/L	1	20.0	ND	117	64-133%	---	---	
Carbon tetrachloride	23.8	---	1.00	ug/L	1	20.0	ND	119	72-136%	---	---	
Chlorobenzene	21.4	---	0.500	ug/L	1	20.0	ND	107	80-120%	---	---	
Chloroethane	33.3	---	5.00	ug/L	1	20.0	ND	**166**	**60-138%**	---	---	Q-54d
Chloroform	23.1	---	1.00	ug/L	1	20.0	ND	116	79-124%	---	---	
Chloromethane	23.6	---	5.00	ug/L	1	20.0	ND	118	50-139%	---	---	

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1115 - EPA 5030C							**Water**					
Matrix Spike (25C1115-MS1)			Prepared: 03/27/25 10:52		Analyzed: 03/27/25 18:18							
QC Source Sample: Non-SDG (A5C1887-01)												
2-Chlorotoluene	19.7	---	1.00	ug/L	1	20.0	ND	98	79-122%	---	---	
4-Chlorotoluene	20.0	---	1.00	ug/L	1	20.0	ND	100	78-122%	---	---	
Dibromochloromethane	22.8	---	1.00	ug/L	1	20.0	ND	114	74-126%	---	---	
1,2-Dibromo-3-chloropropane	18.9	---	5.00	ug/L	1	20.0	ND	94	62-128%	---	---	
1,2-Dibromoethane (EDB)	21.9	---	0.500	ug/L	1	20.0	ND	110	77-121%	---	---	
Dibromomethane	23.7	---	1.00	ug/L	1	20.0	ND	118	79-123%	---	---	
1,2-Dichlorobenzene	19.7	---	0.500	ug/L	1	20.0	ND	98	80-120%	---	---	
1,3-Dichlorobenzene	20.8	---	0.500	ug/L	1	20.0	ND	104	80-120%	---	---	
1,4-Dichlorobenzene	20.6	---	0.500	ug/L	1	20.0	ND	103	79-120%	---	---	
Dichlorodifluoromethane	24.0	---	1.00	ug/L	1	20.0	ND	120	32-152%	---	---	
1,1-Dichloroethane	22.8	---	0.400	ug/L	1	20.0	ND	114	77-125%	---	---	
1,2-Dichloroethane (EDC)	23.0	---	0.400	ug/L	1	20.0	ND	115	73-128%	---	---	
1,1-Dichloroethene	23.2	---	0.400	ug/L	1	20.0	ND	116	71-131%	---	---	
cis-1,2-Dichloroethene	19.6	---	0.400	ug/L	1	20.0	ND	98	78-123%	---	---	
trans-1,2-Dichloroethene	20.5	---	0.400	ug/L	1	20.0	ND	102	75-124%	---	---	
1,2-Dichloropropane	21.0	---	0.500	ug/L	1	20.0	ND	105	78-122%	---	---	
1,3-Dichloropropane	19.6	---	1.00	ug/L	1	20.0	ND	98	80-120%	---	---	
2,2-Dichloropropane	25.5	---	1.00	ug/L	1	20.0	ND	127	60-139%	---	---	
1,1-Dichloropropene	20.4	---	1.00	ug/L	1	20.0	ND	102	79-125%	---	---	
cis-1,3-Dichloropropene	16.9	---	1.00	ug/L	1	20.0	ND	84	75-124%	---	---	
trans-1,3-Dichloropropene	25.6	---	1.00	ug/L	1	20.0	ND	**128**	**73-127%**	---	---	Q-54g
Ethylbenzene	20.7	---	0.500	ug/L	1	20.0	ND	103	79-121%	---	---	
Hexachlorobutadiene	15.3	---	5.00	ug/L	1	20.0	ND	76	66-134%	---	---	Q-54j
2-Hexanone	31.1	---	10.0	ug/L	1	40.0	ND	78	57-139%	---	---	Q-54i
Isopropylbenzene	18.3	---	1.00	ug/L	1	20.0	ND	91	72-131%	---	---	
4-Isopropyltoluene	18.6	---	1.00	ug/L	1	20.0	ND	93	77-127%	---	---	
Methylene chloride	22.4	---	10.0	ug/L	1	20.0	ND	112	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	37.5	---	10.0	ug/L	1	40.0	ND	94	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	18.3	---	1.00	ug/L	1	20.0	ND	92	71-124%	---	---	
Naphthalene	12.3	---	5.00	ug/L	1	20.0	ND	61	61-128%	---	---	Q-54n
n-Propylbenzene	20.6	---	0.500	ug/L	1	20.0	ND	103	76-126%	---	---	
Styrene	21.2	---	1.00	ug/L	1	20.0	ND	106	78-123%	---	---	
1,1,1,2-Tetrachloroethane	22.7	---	0.400	ug/L	1	20.0	ND	113	78-124%	---	---	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1115 - EPA 5030C							**Water**					
Matrix Spike (25C1115-MS1)			Prepared: 03/27/25 10:52 Analyzed: 03/27/25 18:18									
QC Source Sample: Non-SDG (A5C1887-01)												
1,1,2,2-Tetrachloroethane	24.1	---	0.500	ug/L	1	20.0	ND	121	71-121%	---	---	Q-54b
Tetrachloroethene (PCE)	19.1	---	0.400	ug/L	1	20.0	ND	96	74-129%	---	---	
Toluene	20.2	---	1.00	ug/L	1	20.0	ND	101	80-121%	---	---	
1,2,3-Trichlorobenzene	16.0	---	2.00	ug/L	1	20.0	ND	80	69-129%	---	---	Q-54m
1,2,4-Trichlorobenzene	14.2	---	2.00	ug/L	1	20.0	ND	71	69-130%	---	---	Q-54k
1,1,1-Trichloroethane	23.4	---	0.400	ug/L	1	20.0	ND	117	74-131%	---	---	
1,1,2-Trichloroethane	21.4	---	0.500	ug/L	1	20.0	ND	107	80-120%	---	---	
Trichloroethene (TCE)	18.4	---	0.400	ug/L	1	20.0	ND	92	79-123%	---	---	
Trichlorofluoromethane	37.4	---	2.00	ug/L	1	20.0	ND	**187**	**65-141%**	---	---	Q-54f
1,2,3-Trichloropropane	21.9	---	1.00	ug/L	1	20.0	ND	110	73-122%	---	---	
1,2,4-Trimethylbenzene	20.3	---	1.00	ug/L	1	20.0	ND	102	76-124%	---	---	
1,3,5-Trimethylbenzene	20.0	---	1.00	ug/L	1	20.0	ND	100	75-124%	---	---	
Vinyl chloride	22.6	---	0.200	ug/L	1	20.0	ND	113	58-137%	---	---	
m,p-Xylene	42.6	---	1.00	ug/L	1	40.0	ND	106	80-121%	---	---	
o-Xylene	17.6	---	0.500	ug/L	1	20.0	ND	88	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*96 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*89 %*		*80-120 %*				*"*			

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Philip Nerenberg

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0112 - EPA 3051A							Soil					
Blank (25D0112-BLK1)			Prepared: 04/03/25 12:14 Analyzed: 04/04/25 17:14									
EPA 6020B												
Arsenic	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Barium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
Chromium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Lead	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
Mercury	ND	---	0.0800	mg/kg wet	10	---	---	---	---	---	---	
Selenium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Silver	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
LCS (25D0112-BS1)			Prepared: 04/03/25 12:14 Analyzed: 04/04/25 17:25									
EPA 6020B												
Arsenic	51.6	---	1.00	mg/kg wet	10	50.0	---	103	80-120%	---	---	
Barium	54.6	---	1.00	mg/kg wet	10	50.0	---	109	80-120%	---	---	
Cadmium	53.0	---	0.200	mg/kg wet	10	50.0	---	106	80-120%	---	---	
Chromium	52.0	---	1.00	mg/kg wet	10	50.0	---	104	80-120%	---	---	
Lead	53.7	---	0.200	mg/kg wet	10	50.0	---	107	80-120%	---	---	
Mercury	1.05	---	0.0800	mg/kg wet	10	1.00	---	105	80-120%	---	---	
Selenium	26.5	---	1.00	mg/kg wet	10	25.0	---	106	80-120%	---	---	
Silver	26.0	---	0.200	mg/kg wet	10	25.0	---	104	80-120%	---	---	
Duplicate (25D0112-DUP1)			Prepared: 04/03/25 12:14 Analyzed: 04/04/25 17:36									
QC Source Sample: Non-SDG (A5C1816-01)												
Arsenic	**13.7**	---	1.22	mg/kg dry	10	---	74.7	---	---	**138**	**20%**	Q-04
Barium	**87.5**	---	1.22	mg/kg dry	10	---	85.1	---	---	3	20%	
Cadmium	ND	---	0.243	mg/kg dry	10	---	0.180	---	---	***	20%	
Chromium	**10.0**	---	1.22	mg/kg dry	10	---	14.1	---	---	**34**	**20%**	Q-04
Lead	**31.3**	---	0.243	mg/kg dry	10	---	30.4	---	---	3	20%	
Mercury	ND	---	0.0973	mg/kg dry	10	---	ND	---	---	---	20%	
Selenium	ND	---	1.22	mg/kg dry	10	---	ND	---	---	---	20%	
Silver	ND	---	0.243	mg/kg dry	10	---	ND	---	---	---	20%	
Matrix Spike (25D0112-MS1)			Prepared: 04/03/25 12:14 Analyzed: 04/04/25 17:41									

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0112 - EPA 3051A							**Soil**					
Matrix Spike (25D0112-MS1)			Prepared: 04/03/25 12:14 Analyzed: 04/04/25 17:41									
QC Source Sample: Non-SDG (A5C1816-01)												
EPA 6020B												
Arsenic	69.1	---	1.17	mg/kg dry	10	58.3	74.7	**-10**	**75-125%**	---	---	Q-04
Barium	141	---	1.17	mg/kg dry	10	58.3	85.1	96	75-125%	---	---	
Cadmium	61.1	---	0.233	mg/kg dry	10	58.3	0.180	104	75-125%	---	---	
Chromium	70.5	---	1.17	mg/kg dry	10	58.3	14.1	97	75-125%	---	---	
Lead	85.6	---	0.233	mg/kg dry	10	58.3	30.4	95	75-125%	---	---	
Mercury	1.24	---	0.0933	mg/kg dry	10	1.17	ND	106	75-125%	---	---	
Selenium	30.2	---	1.17	mg/kg dry	10	29.2	ND	104	75-125%	---	---	
Silver	29.7	---	0.233	mg/kg dry	10	29.2	ND	102	75-125%	---	---	

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601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0438 - EPA 3015A												**Water**
Blank (25D0438-BLK1)			Prepared: 04/10/25 12:18 Analyzed: 04/11/25 01:07									
EPA 6020B												
Arsenic	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Barium	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Chromium	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Mercury	ND	---	0.0800	ug/L	1	---	---	---	---	---	---	
Selenium	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Silver	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25D0438-BS1)			Prepared: 04/10/25 12:18 Analyzed: 04/11/25 01:12									
EPA 6020B												
Arsenic	55.4	---	1.00	ug/L	1	55.6	---	100	80-120%	---	---	
Barium	52.7	---	2.00	ug/L	1	55.6	---	95	80-120%	---	---	
Cadmium	54.5	---	0.200	ug/L	1	55.6	---	98	80-120%	---	---	
Chromium	54.5	---	2.00	ug/L	1	55.6	---	98	80-120%	---	---	
Lead	53.2	---	0.200	ug/L	1	55.6	---	96	80-120%	---	---	
Mercury	1.07	---	0.0800	ug/L	1	1.11	---	96	80-120%	---	---	
Selenium	27.2	---	1.00	ug/L	1	27.8	---	98	80-120%	---	---	
Silver	26.5	---	0.200	ug/L	1	27.8	---	95	80-120%	---	---	
Duplicate (25D0438-DUP1)			Prepared: 04/10/25 12:18 Analyzed: 04/11/25 01:50									
QC Source Sample: OLF-MW-DUP (A5C1845-04)												
Arsenic	**89.9**	---	1.00	ug/L	1	---	87.5	---	---	3	20%	
Barium	**337**	---	2.00	ug/L	1	---	329	---	---	3	20%	
Cadmium	**0.675**	---	0.200	ug/L	1	---	0.631	---	---	7	20%	
Chromium	**62.9**	---	2.00	ug/L	1	---	61.2	---	---	3	20%	
Lead	**15.7**	---	0.200	ug/L	1	---	14.9	---	---	5	20%	
Mercury	**0.152**	---	0.0800	ug/L	1	---	0.143	---	---	6	20%	
Selenium	**9.95**	---	1.00	ug/L	1	---	10.2	---	---	2	20%	
Silver	ND	---	0.200	ug/L	1	---	ND	---	---	**---**	**20%**	
Matrix Spike (25D0438-MS1)			Prepared: 04/10/25 12:18 Analyzed: 04/11/25 03:41									

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0438 - EPA 3015A							**Water**					
Matrix Spike (25D0438-MS1)			Prepared: 04/10/25 12:18 Analyzed: 04/11/25 03:41									
QC Source Sample: Non-SDG (A5C1889-14)												
EPA 6020B												
Arsenic	56.8	---	1.00	ug/L	1	55.6	1.15	100	75-125%	---	---	
Barium	56.4	---	2.00	ug/L	1	55.6	1.62	99	75-125%	---	---	
Cadmium	56.2	---	0.200	ug/L	1	55.6	ND	101	75-125%	---	---	
Chromium	56.1	---	2.00	ug/L	1	55.6	ND	101	75-125%	---	---	
Lead	51.6	---	0.200	ug/L	1	55.6	ND	93	75-125%	---	---	
Mercury	1.06	---	0.0800	ug/L	1	1.11	ND	96	75-125%	---	---	
Selenium	28.2	---	1.00	ug/L	1	27.8	ND	102	75-125%	---	---	
Silver	26.5	---	0.200	ug/L	1	27.8	ND	95	75-125%	---	---	

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Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C1052 - Dry Weight Prep (EPA 8000D)							**Soil**					
Duplicate (25C1052-DUP1)			Prepared: 03/26/25 18:19		Analyzed: 03/27/25 05:22							
QC Source Sample: Non-SDG (A5C1846-01)												
% Solids	**85.7**	---	1.00	%	1	---	86.0	---	---	0.4	10%	
Duplicate (25C1052-DUP2)			Prepared: 03/26/25 18:19		Analyzed: 03/27/25 05:22							
QC Source Sample: Non-SDG (A5C1852-01)												
% Solids	**74.6**	---	1.00	%	1	---	75.9	---	---	2	10%	
Duplicate (25C1052-DUP3)			Prepared: 03/26/25 18:19		Analyzed: 03/27/25 05:22							
QC Source Sample: Non-SDG (A5C1853-01)												
% Solids	**49.7**	---	1.00	%	1	---	50.2	---	---	1	10%	
Duplicate (25C1052-DUP4)			Prepared: 03/26/25 18:19		Analyzed: 03/27/25 05:22							
QC Source Sample: Non-SDG (A5C1882-01)												
% Solids	**71.7**	---	1.00	%	1	---	71.0	---	---	1	10%	
Duplicate (25C1052-DUP5)			Prepared: 03/26/25 18:19		Analyzed: 03/27/25 05:22							
QC Source Sample: Non-SDG (A5C1924-05)												
% Solids	**90.1**	---	1.00	%	1	---	90.6	---	---	0.6	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25C1031							
A5C1845-02	Water	NWTPH-Dx	03/20/25 12:10	03/26/25 06:50	860mL/5mL	1000mL/5mL	1.16
A5C1845-05	Water	NWTPH-Dx	03/20/25 16:00	03/26/25 06:50	880mL/5mL	1000mL/5mL	1.14
Batch: 25D0006							
A5C1845-01	Water	NWTPH-Dx	03/21/25 09:30	04/01/25 07:18	790mL/5mL	1000mL/5mL	1.27
A5C1845-03RE1	Water	NWTPH-Dx	03/20/25 14:30	04/01/25 07:18	910mL/5mL	1000mL/5mL	1.10
A5C1845-04RE1	Water	NWTPH-Dx	03/20/25 14:45	04/01/25 07:18	850mL/5mL	1000mL/5mL	1.18
A5C1845-06	Water	NWTPH-Dx	03/20/25 16:45	04/01/25 07:18	980mL/5mL	1000mL/5mL	1.02

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25C1125							
A5C1845-09	Soil	NWTPH-Dx	03/20/25 17:00	03/27/25 12:24	11.22g/5mL	10g/5mL	0.89

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25C1036							
A5C1845-06	Water	NWTPH-Gx (MS)	03/20/25 16:45	03/26/25 10:58	5mL/5mL	5mL/5mL	1.00
Batch: 25C1115							
A5C1845-01RE1	Water	NWTPH-Gx (MS)	03/21/25 09:30	03/27/25 10:58	5mL/5mL	5mL/5mL	1.00
A5C1845-02RE1	Water	NWTPH-Gx (MS)	03/20/25 12:10	03/27/25 10:58	5mL/5mL	5mL/5mL	1.00
A5C1845-03RE1	Water	NWTPH-Gx (MS)	03/20/25 14:30	03/27/25 10:58	5mL/5mL	5mL/5mL	1.00
A5C1845-04RE1	Water	NWTPH-Gx (MS)	03/20/25 14:45	03/27/25 10:58	5mL/5mL	5mL/5mL	1.00
A5C1845-05RE1	Water	NWTPH-Gx (MS)	03/20/25 16:00	03/27/25 10:58	5mL/5mL	5mL/5mL	1.00

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25C1055							
A5C1845-09	Soil	NWTPH-Gx (MS)	03/20/25 17:00	03/20/25 17:00	6.08g/5mL	5g/5mL	0.82

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor

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SAMPLE PREPARATION INFORMATION

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25C1036							
A5C1845-06	Water	EPA 8260D	03/20/25 16:45	03/26/25 10:58	5mL/5mL	5mL/5mL	1.00
A5C1845-07	Water	EPA 8260D	03/19/25 00:00	03/26/25 10:58	5mL/5mL	5mL/5mL	1.00
Batch: 25C1115							
A5C1845-01RE1	Water	EPA 8260D	03/21/25 09:30	03/27/25 10:58	5mL/5mL	5mL/5mL	1.00
A5C1845-02RE1	Water	EPA 8260D	03/20/25 12:10	03/27/25 10:58	5mL/5mL	5mL/5mL	1.00
A5C1845-03RE1	Water	EPA 8260D	03/20/25 14:30	03/27/25 10:58	5mL/5mL	5mL/5mL	1.00
A5C1845-04RE1	Water	EPA 8260D	03/20/25 14:45	03/27/25 10:58	5mL/5mL	5mL/5mL	1.00
A5C1845-05RE1	Water	EPA 8260D	03/20/25 16:00	03/27/25 10:58	5mL/5mL	5mL/5mL	1.00

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25C1055							
A5C1845-09	Soil	5035A/8260D	03/20/25 17:00	03/20/25 17:00	6.08g/5mL	5g/5mL	0.82

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25D0438							
A5C1845-01	Water	EPA 6020B	03/21/25 09:30	04/10/25 12:18	45mL/50mL	45mL/50mL	1.00
A5C1845-02	Water	EPA 6020B	03/20/25 12:10	04/10/25 12:18	45mL/50mL	45mL/50mL	1.00
A5C1845-03	Water	EPA 6020B	03/20/25 14:30	04/10/25 12:18	45mL/50mL	45mL/50mL	1.00
A5C1845-04	Water	EPA 6020B	03/20/25 14:45	04/10/25 12:18	45mL/50mL	45mL/50mL	1.00
A5C1845-05	Water	EPA 6020B	03/20/25 16:00	04/10/25 12:18	45mL/50mL	45mL/50mL	1.00
A5C1845-06	Water	EPA 6020B	03/20/25 16:45	04/10/25 12:18	45mL/50mL	45mL/50mL	1.00

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25D0112							
A5C1845-08	Soil	EPA 6020B	03/19/25 15:00	04/03/25 12:14	0.485g/50mL	0.5g/50mL	1.03
A5C1845-09	Soil	EPA 6020B	03/20/25 17:00	04/03/25 12:14	0.467g/50mL	0.5g/50mL	1.07

Percent Dry Weight

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SAMPLE PREPARATION INFORMATION

Percent Dry Weight

Prep: Dry Weight Prep (EPA 8000D)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25C1052							
A5C1845-08	Soil	EPA 8000D	03/19/25 15:00	03/26/25 18:19	1g	1g	1.00
A5C1845-09	Soil	EPA 8000D	03/20/25 17:00	03/26/25 18:19	1g	1g	1.00

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Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

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CONT	The Sample Container provided for this analysis was not provided by Apex Laboratories, and has not been verified as part of the Apex Quality System.
DCNT	Sample decanted due to the presence of sediment in water samples, or water in sediment or soil samples. (Note: Decanted aqueous sample bottles are not solvent rinsed.)
F-12	The result for this hydrocarbon range is primarily due to the presence of individual analyte peaks in the quantitation range. No fuel pattern detected.
M-02	Due to matrix interference, this analyte cannot be accurately quantified. The reported result is estimated.
PRES	Incomplete field preservation. Additional preservative was added to adjust the pH within the appropriate range for this analysis.
Q-04	Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +1%. The results are reported as Estimated Values.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +15%. The results are reported as Estimated Values.
Q-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +2%. The results are reported as Estimated Values.
Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +30%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +39%. The results are reported as Estimated Values.
Q-54e	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +44%. The results are reported as Estimated Values.
Q-54f	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +48%. The results are reported as Estimated Values.
Q-54g	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +7%. The results are reported as Estimated Values.
Q-54h	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +8%. The results are reported as Estimated Values.
Q-54i	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -1%. The results are reported as Estimated Values.
Q-54j	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -10%. The results are reported as Estimated Values.

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Philip Nerenberg, Lab Director

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Q-54k	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -13%. The results are reported as Estimated Values.
Q-54l	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -14%. The results are reported as Estimated Values.
Q-54m	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -2%. The results are reported as Estimated Values.
Q-54n	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -20%. The results are reported as Estimated Values.
Q-54o	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -22%. The results are reported as Estimated Values.
Q-54p	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -5%. The results are reported as Estimated Values.
Q-54q	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -8%. The results are reported as Estimated Values.
Q-55	Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
Q-56	Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260. Samples that are ND (Non-Detect) are not impacted.
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

REPORTING NOTES AND CONVENTIONS:

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Validated Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting and Detection Limits: Default Limits

Default Reporting and Detection Limits are based on 100% dry weight with the minimum dilution for the analysis. Reporting and Detection Limits are raised due to moisture content, additional dilutions required for analysis, matrix interferences and in other cases, as necessary.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

Results for Volatiles analyses on soils and sediments that are reported on a “dry weight” basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an “As Received” basis do not have the WMS correction applied, as dry weight was not performed.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Apex Laboratories

Philip Nerenberg, Lab Director

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Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to one half of the Reporting Limit (RL).
Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.
-Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.
'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level, if results are not reported to the MDL.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

Decanted Samples:

Soils/Sediments:
Unless TCLP analysis is required or there is notification otherwise for a specific project, all Soil and Sediments containing excess water are decanted prior to analysis in order to provide the most representative sample for analysis.

Water Samples:
Water samples containing solids and sediment may need to be decanted in order to eliminate these particulates from the water extractions. In the case of organics extractions, a solvent rinse of the container will not be performed.

Volatiles Soils (5035s)
Samples that are field preserved by 5035 for volatiles are dry weight corrected using the same dry weight corretion as for normal analyses. In the case of decanted samples, the dry weight may be performed on a decanted sample, while the aliquot for 5035 may not have been treated the same way. If this is a concern, please submit separate containers for dry weight analysis for volatiles can be provided.

All samples decanted in the laboratory are noted in this report with the DCNT qualifier indicating the sample was decanted.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5C1845 - 04 15 25 1256**

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) - EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

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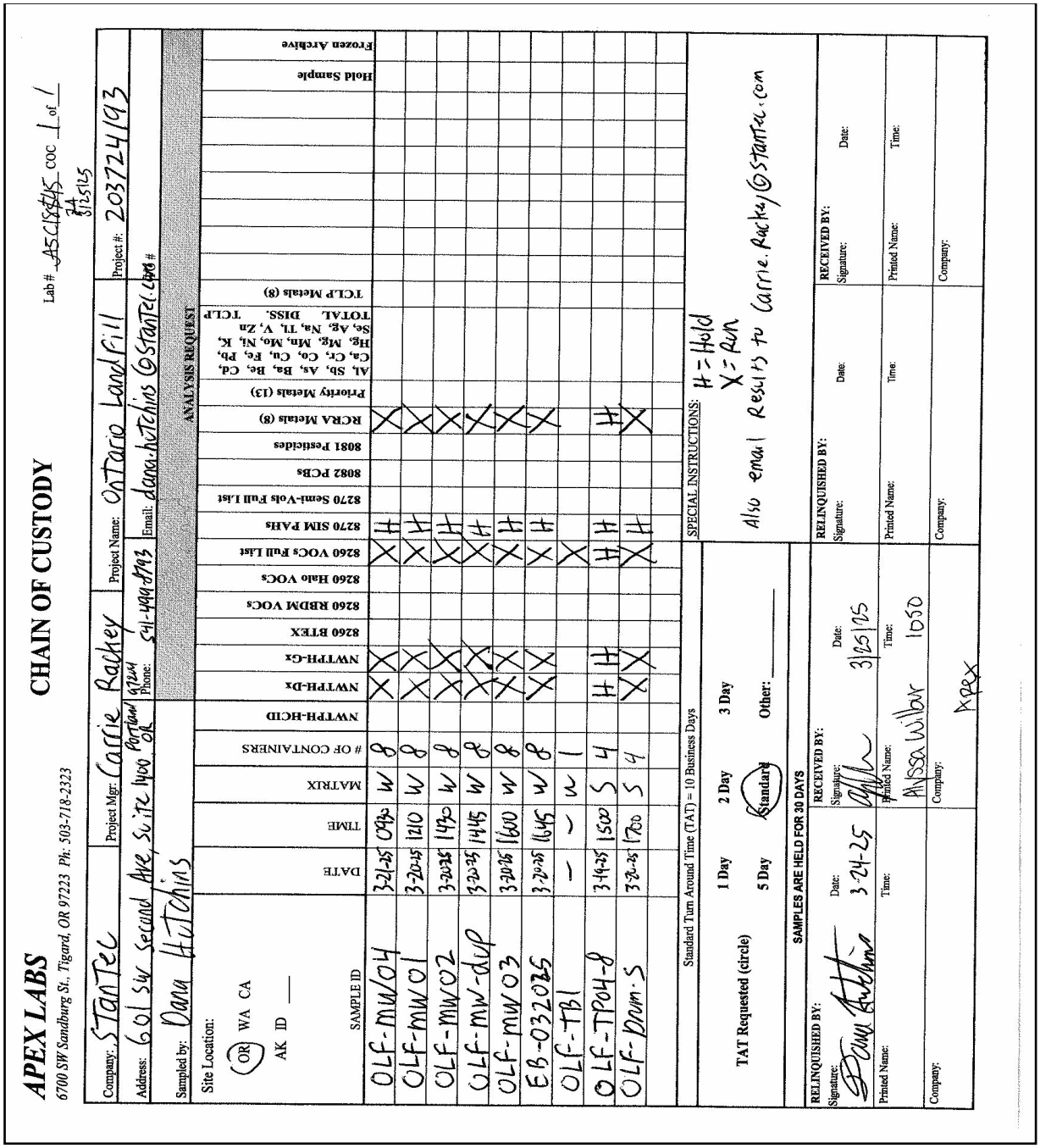

APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A5C1845 COC 1 of 1
3/25/25

Company: Stantec | Project Mgr: Carrie Rackey | Project Name: Ontario Land Fill | Project #: 203724193
Address: 601 SW Second Ave, Suite 1400 Portland OR | Phone: 541-499-4793 | Email: dana.hutchins@stantec.com | PWS #
Sampled by: Dana Hutchins

Site Location: (OR) WA CA AK ID ___

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Hold Sample	Frozen Archive
OLF-MW04	3-21-25	0930	W	8		X	X				X	H	H			X					
OLF-MW01	3-20-25	1210	W	8		X	X				X	H	H			X					
OLF-MW02	3-20-25	1490	W	8		X	X				X	H	H			X					
OLF-MW-dup	3-20-25	1445	W	8		X	X				X	H	H			X					
OLF-MW03	3-20-25	1600	W	8		X	X				X	H	H			X					
EB-032025	3-20-25	1645	W	8		X	X				X	H	H			X					
OLF-TB1	—	—	W	1							X										
OLF-TP04-8	3-19-25	1500	S	4		H	H				H	H	H			H					
OLF-Drum-S	3-20-25	1700	S	4		X	X				X	H	H			X					

Standard Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day | 2 Day | 3 Day | 5 Day | (Standard) | Other: ___

SPECIAL INSTRUCTIONS: H = Hold
X = Run
Also email results to carrie.rackey@stantec.com

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	Date:	RECEIVED BY:	Date:	RELINQUISHED BY:	Date:	RECEIVED BY:	Date:
Signature: Dana Hutchins	3-24-25	Signature:	3/25/25	Signature:		Signature:	
Printed Name:	Time:	Printed Name:	Time:	Printed Name:	Time:	Printed Name:	Time:
Company:		Company: APEX	1050	Company:		Company:	

Apex Laboratories

Philip Nerenberg

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Philip Nerenberg, Lab Director

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APEX LABS COOLER RECEIPT FORM

Client: Stantec Element WO#: A5C1845

Project/Project #: Ontario Land Fill 203724193

Delivery Info:

Date/time received: 3/25/25 @ 1050 By: AM

Delivered by: Apex__Client__ESS___FedEx X UPS__Radio___Morgan ___SDS___Evergreen___Other ___

From USDA Regulated Origin? Yes _____ No X

Cooler Inspection Date/time inspected: 3/25/25 @ 1050 By: AM

Chain of Custody included? Yes X No _____

Signed/dated by client? Yes X No _____

Contains USDA Reg. Soils? Yes _____ No X Unsure (email RegSoils) _____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	3.8	5.6	3.6				
Custody seals? (Y/N)	Y						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Real						
Condition (In/Out):	In						

Cooler out of temp? (Y/N) Possible reason why: _____

Green dots applied to out of temperature samples? Yes/No

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 3/25/25 @ 1130 By: ZA

All samples intact? Yes ✓ No ✓ Comments: 1/2 1L HCL Amber's Lid received broken, replaced by ZA 3/25/25 at lab for OLF-MW01 & OLF-MW-dup.

Bottle labels/COCs agree? Yes ✓ No ___ Comments: _____

COC/container discrepancies form initiated? Yes ___ No ✓

Containers/volumes received appropriate for analysis? Yes ✓ No ___ Comments: _____

Do VOA vials have visible headspace? Yes ___ No ✓ NA ___

Comments 3/3 for All HCL VOAs have sed except for EB-032025.

Water samples: pH checked: Yes ✓ No ___ NA ___ pH appropriate? Yes ___ No ✓ NA ___ pH ID: A23I172

Comments: 2/2 1L HCL Ambers pH @ 7 for OLF-MW01 & OLF-MW-03.

8800 2763 4813

Labeled by: ZA Witness: Cooler Inspected by: ZA

Form Y-003 R-02

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Analytical Report

4/8/2025
Ms. Carrie Rackey
Stantec Consulting Corporation
601 SW 2nd Avenue
Suite 1400
Portland OR 97204

Project Name: OnTario Landfill
Project #: 203724193
Workorder #: 2503778A

Dear Ms. Carrie Rackey

The following report includes the data for the above referenced project for sample(s) received on 3/25/2025 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Monica Tran

Project Manager

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WORK ORDER #: 2503778A

Work Order Summary

CLIENT:	Ms. Carrie Rackey Stantec Consulting Corporation 601 SW 2nd Avenue Suite 1400 Portland, OR 97204	**BILL TO:**	Accounts Payable (OR) Stantec Consulting Corporation 225 NE Hillcrest Drive Suite 5 Grants Pass, OR 97526
PHONE:	503-297-1631	**P.O. #**	203724193
FAX:	503-297-5429	**PROJECT #**	203724193 OnTario Landfill
DATE RECEIVED:	03/25/2025	**CONTACT:**	Monica Tran
DATE COMPLETED:	04/08/2025		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	OLF-SV03	TO-15	6.3 "Hg	9.6 psi
02A	OLF-SV01	TO-15	7.1 "Hg	10 psi
03A	OLF-SV02	TO-15	6.9 "Hg	9.9 psi
04A	OLF-SV-DUP	TO-15	6.1 "Hg	10.1 psi
05A	Lab Blank	TO-15	NA	NA
06A	CCV	TO-15	NA	NA
07A	LCS	TO-15	NA	NA
07AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 04/08/25

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP–02089, MN NELAP-2836569, NH NELAP–209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000

LABORATORY NARRATIVE
EPA Method TO-15
Stantec Consulting Corporation
Workorder# 2503778A

Four 1 Liter Summa Canister samples were received on March 25, 2025. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Dilution was performed on sample OLF-SV01 due to matrix interference.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: OLF-SV03

Lab ID#: 2503778A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	1.0	1.1	3.7	3.8
2-Butanone (Methyl Ethyl Ketone)	4.2	6.2	12	18

Client Sample ID: OLF-SV01

Lab ID#: 2503778A-02A

No Detections Were Found.

Client Sample ID: OLF-SV02

Lab ID#: 2503778A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Butanone (Methyl Ethyl Ketone)	4.3	9.5	13	28

Client Sample ID: OLF-SV-DUP

Lab ID#: 2503778A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Butanone (Methyl Ethyl Ketone)	4.2	11	12	33

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Client Sample ID: OLF-SV03

Lab ID#: 2503778A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040323**	**Date of Collection:**	**3/19/25 9:52:00 AM**
Dil. Factor:	**2.09**	**Date of Analysis:**	**4/3/25 10:37 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.2	Not Detected
Freon 114	1.0	Not Detected	7.3	Not Detected
Chloromethane	10	Not Detected	22	Not Detected
Vinyl Chloride	1.0	Not Detected	2.7	Not Detected
1,3-Butadiene	1.0	Not Detected	2.3	Not Detected
Bromomethane	10	Not Detected	40	Not Detected
Chloroethane	4.2	Not Detected	11	Not Detected
Freon 11	1.0	Not Detected	5.9	Not Detected
Ethanol	10	Not Detected UJ	20	Not Detected UJ
Freon 113	1.0	Not Detected	8.0	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Acetone	10	Not Detected	25	Not Detected
2-Propanol	4.2	Not Detected	10	Not Detected
Carbon Disulfide	4.2	Not Detected	13	Not Detected
3-Chloropropene	4.2	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	36	Not Detected
Methyl tert-butyl ether	4.2	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Hexane	1.0	1.1	3.7	3.8
1,1-Dichloroethane	1.0	Not Detected	4.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.2	6.2	12	18
cis-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.1	Not Detected
Chloroform	1.0	Not Detected	5.1	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Cyclohexane	1.0	Not Detected	3.6	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.6	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.9	Not Detected
Benzene	1.0	Not Detected	3.3	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.2	Not Detected
Heptane	1.0	Not Detected	4.3	Not Detected
Trichloroethene	1.0	Not Detected	5.6	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.8	Not Detected
1,4-Dioxane	4.2	Not Detected	15	Not Detected
Bromodichloromethane	1.0	Not Detected	7.0	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.3	Not Detected
Toluene	2.1	Not Detected	7.9	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Tetrachloroethene	1.0	Not Detected	7.1	Not Detected
2-Hexanone	4.2	Not Detected	17	Not Detected

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Client Sample ID: OLF-SV03

Lab ID#: 2503778A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040323**	**Date of Collection:**	**3/19/25 9:52:00 AM**
Dil. Factor:	**2.09**	**Date of Analysis:**	**4/3/25 10:37 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.9	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.0	Not Detected
Chlorobenzene	1.0	Not Detected	4.8	Not Detected
Ethyl Benzene	1.0	Not Detected	4.5	Not Detected
m,p-Xylene	2.1	Not Detected	9.1	Not Detected
o-Xylene	1.0	Not Detected	4.5	Not Detected
Styrene	1.0	Not Detected	4.4	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
Cumene	1.0	Not Detected	5.1	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.2	Not Detected
Propylbenzene	1.0	Not Detected	5.1	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.1	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.4	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	44	Not Detected
Naphthalene	2.1	Not Detected	11	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: OLF-SV01

Lab ID#: 2503778A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040324**	**Date of Collection:**	**3/19/25 10:31:00 AM**
Dil. Factor:	**8.80**	**Date of Analysis:**	**4/3/25 11:02 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	4.4	Not Detected	22	Not Detected
Freon 114	4.4	Not Detected	31	Not Detected
Chloromethane	44	Not Detected	91	Not Detected
Vinyl Chloride	4.4	Not Detected	11	Not Detected
1,3-Butadiene	4.4	Not Detected	9.7	Not Detected
Bromomethane	44	Not Detected	170	Not Detected
Chloroethane	18	Not Detected	46	Not Detected
Freon 11	4.4	Not Detected	25	Not Detected
Ethanol	44	Not Detected UJ	83	Not Detected UJ
Freon 113	4.4	Not Detected	34	Not Detected
1,1-Dichloroethene	4.4	Not Detected	17	Not Detected
Acetone	44	Not Detected	100	Not Detected
2-Propanol	18	Not Detected	43	Not Detected
Carbon Disulfide	18	Not Detected	55	Not Detected
3-Chloropropene	18	Not Detected	55	Not Detected
Methylene Chloride	44	Not Detected	150	Not Detected
Methyl tert-butyl ether	18	Not Detected	63	Not Detected
trans-1,2-Dichloroethene	4.4	Not Detected	17	Not Detected
Hexane	4.4	Not Detected	16	Not Detected
1,1-Dichloroethane	4.4	Not Detected	18	Not Detected
2-Butanone (Methyl Ethyl Ketone)	18	Not Detected	52	Not Detected
cis-1,2-Dichloroethene	4.4	Not Detected	17	Not Detected
Tetrahydrofuran	4.4	Not Detected	13	Not Detected
Chloroform	4.4	Not Detected	21	Not Detected
1,1,1-Trichloroethane	4.4	Not Detected	24	Not Detected
Cyclohexane	4.4	Not Detected	15	Not Detected
Carbon Tetrachloride	4.4	Not Detected	28	Not Detected
2,2,4-Trimethylpentane	4.4	Not Detected	20	Not Detected
Benzene	4.4	Not Detected	14	Not Detected
1,2-Dichloroethane	4.4	Not Detected	18	Not Detected
Heptane	4.4	Not Detected	18	Not Detected
Trichloroethene	4.4	Not Detected	24	Not Detected
1,2-Dichloropropane	4.4	Not Detected	20	Not Detected
1,4-Dioxane	18	Not Detected	63	Not Detected
Bromodichloromethane	4.4	Not Detected	29	Not Detected
cis-1,3-Dichloropropene	4.4	Not Detected	20	Not Detected
4-Methyl-2-pentanone	4.4	Not Detected	18	Not Detected
Toluene	8.8	Not Detected	33	Not Detected
trans-1,3-Dichloropropene	4.4	Not Detected	20	Not Detected
1,1,2-Trichloroethane	4.4	Not Detected	24	Not Detected
Tetrachloroethene	4.4	Not Detected	30	Not Detected
2-Hexanone	18	Not Detected	72	Not Detected

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Client Sample ID: OLF-SV01

Lab ID#: 2503778A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040324**	**Date of Collection:**	**3/19/25 10:31:00 AM**
Dil. Factor:	**8.80**	**Date of Analysis:**	**4/3/25 11:02 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	4.4	Not Detected	37	Not Detected
1,2-Dibromoethane (EDB)	4.4	Not Detected	34	Not Detected
Chlorobenzene	4.4	Not Detected	20	Not Detected
Ethyl Benzene	4.4	Not Detected	19	Not Detected
m,p-Xylene	8.8	Not Detected	38	Not Detected
o-Xylene	4.4	Not Detected	19	Not Detected
Styrene	4.4	Not Detected	19	Not Detected
Bromoform	4.4	Not Detected	45	Not Detected
Cumene	4.4	Not Detected	22	Not Detected
1,1,2,2-Tetrachloroethane	4.4	Not Detected	30	Not Detected
Propylbenzene	4.4	Not Detected	22	Not Detected
4-Ethyltoluene	4.4	Not Detected	22	Not Detected
1,3,5-Trimethylbenzene	4.4	Not Detected	22	Not Detected
1,2,4-Trimethylbenzene	4.4	Not Detected	22	Not Detected
1,3-Dichlorobenzene	4.4	Not Detected	26	Not Detected
1,4-Dichlorobenzene	4.4	Not Detected	26	Not Detected
alpha-Chlorotoluene	4.4	Not Detected	23	Not Detected
1,2-Dichlorobenzene	4.4	Not Detected	26	Not Detected
1,2,4-Trichlorobenzene	18	Not Detected	130	Not Detected
Hexachlorobutadiene	18	Not Detected	190	Not Detected
Naphthalene	8.8	Not Detected	46	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	88	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: OLF-SV02

Lab ID#: 2503778A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040325**	**Date of Collection:**	**3/19/25 11:08:00 AM**
Dil. Factor:	**2.17**	**Date of Analysis:**	**4/3/25 11:30 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.4	Not Detected
Freon 114	1.1	Not Detected	7.6	Not Detected
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	11	Not Detected	42	Not Detected
Chloroethane	4.3	Not Detected	11	Not Detected
Freon 11	1.1	Not Detected	6.1	Not Detected
Ethanol	11	Not Detected UJ	20	Not Detected UJ
Freon 113	1.1	Not Detected	8.3	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Acetone	11	Not Detected	26	Not Detected
2-Propanol	4.3	Not Detected	11	Not Detected
Carbon Disulfide	4.3	Not Detected	14	Not Detected
3-Chloropropene	4.3	Not Detected	14	Not Detected
Methylene Chloride	11	Not Detected	38	Not Detected
Methyl tert-butyl ether	4.3	Not Detected	16	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Hexane	1.1	Not Detected	3.8	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.3	9.5	13	28
cis-1,2-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.2	Not Detected
Chloroform	1.1	Not Detected	5.3	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.9	Not Detected
Cyclohexane	1.1	Not Detected	3.7	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.8	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.1	Not Detected
Benzene	1.1	Not Detected	3.5	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.4	Not Detected
Heptane	1.1	Not Detected	4.4	Not Detected
Trichloroethene	1.1	Not Detected	5.8	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.0	Not Detected
1,4-Dioxane	4.3	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.3	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.9	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.4	Not Detected
Toluene	2.2	Not Detected	8.2	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	4.9	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.9	Not Detected
Tetrachloroethene	1.1	Not Detected	7.4	Not Detected
2-Hexanone	4.3	Not Detected	18	Not Detected

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Client Sample ID: OLF-SV02

Lab ID#: 2503778A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040325**	**Date of Collection: 3/19/25 11:08:00 AM**	
Dil. Factor:	**2.17**	**Date of Analysis: 4/3/25 11:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.2	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.3	Not Detected
Chlorobenzene	1.1	Not Detected	5.0	Not Detected
Ethyl Benzene	1.1	Not Detected	4.7	Not Detected
m,p-Xylene	2.2	Not Detected	9.4	Not Detected
o-Xylene	1.1	Not Detected	4.7	Not Detected
Styrene	1.1	Not Detected	4.6	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.3	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.4	Not Detected
Propylbenzene	1.1	Not Detected	5.3	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.3	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.3	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.3	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.6	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
1,2,4-Trichlorobenzene	4.3	Not Detected	32	Not Detected
Hexachlorobutadiene	4.3	Not Detected	46	Not Detected
Naphthalene	2.2	Not Detected	11	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	88	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: OLF-SV-DUP

Lab ID#: 2503778A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040326**	**Date of Collection:**	**3/19/25 11:12:00 AM**
Dil. Factor:	**2.12**	**Date of Analysis:**	**4/3/25 11:59 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.2	Not Detected
Freon 114	1.1	Not Detected	7.4	Not Detected
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	Not Detected	2.7	Not Detected
1,3-Butadiene	1.1	Not Detected	2.3	Not Detected
Bromomethane	11	Not Detected	41	Not Detected
Chloroethane	4.2	Not Detected	11	Not Detected
Freon 11	1.1	Not Detected	6.0	Not Detected
Ethanol	11	Not Detected UJ	20	Not Detected UJ
Freon 113	1.1	Not Detected	8.1	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Acetone	11	Not Detected	25	Not Detected
2-Propanol	4.2	Not Detected	10	Not Detected
Carbon Disulfide	4.2	Not Detected	13	Not Detected
3-Chloropropene	4.2	Not Detected	13	Not Detected
Methylene Chloride	11	Not Detected	37	Not Detected
Methyl tert-butyl ether	4.2	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Hexane	1.1	Not Detected	3.7	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.2	11	12	33
cis-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.1	Not Detected
Chloroform	1.1	Not Detected	5.2	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Cyclohexane	1.1	Not Detected	3.6	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.7	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.0	Not Detected
Benzene	1.1	Not Detected	3.4	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.3	Not Detected
Heptane	1.1	Not Detected	4.3	Not Detected
Trichloroethene	1.1	Not Detected	5.7	Not Detected
1,2-Dichloropropane	1.1	Not Detected	4.9	Not Detected
1,4-Dioxane	4.2	Not Detected	15	Not Detected
Bromodichloromethane	1.1	Not Detected	7.1	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.3	Not Detected
Toluene	2.1	Not Detected	8.0	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Tetrachloroethene	1.1	Not Detected	7.2	Not Detected
2-Hexanone	4.2	Not Detected	17	Not Detected

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Client Sample ID: OLF-SV-DUP

Lab ID#: 2503778A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040326**	**Date of Collection:**	**3/19/25 11:12:00 AM**
Dil. Factor:	**2.12**	**Date of Analysis:**	**4/3/25 11:59 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.0	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.1	Not Detected
Chlorobenzene	1.1	Not Detected	4.9	Not Detected
Ethyl Benzene	1.1	Not Detected	4.6	Not Detected
m,p-Xylene	2.1	Not Detected	9.2	Not Detected
o-Xylene	1.1	Not Detected	4.6	Not Detected
Styrene	1.1	Not Detected	4.5	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.3	Not Detected
Propylbenzene	1.1	Not Detected	5.2	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.2	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.5	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	45	Not Detected
Naphthalene	2.1	Not Detected	11	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2503778A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/25 11:19 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected UJ	9.4	Not Detected UJ
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2503778A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/25 11:19 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	1.0	Not Detected	4.3	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: CCV

Lab ID#: 2503778A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040303**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/25 10:00 AM**

Compound	%Recovery
Freon 12	97
Freon 114	99
Chloromethane	74
Vinyl Chloride	81
1,3-Butadiene	74
Bromomethane	96
Chloroethane	80
Freon 11	95
Ethanol	67 Q
Freon 113	90
1,1-Dichloroethene	86
Acetone	72
2-Propanol	73
Carbon Disulfide	87
3-Chloropropene	75
Methylene Chloride	81
Methyl tert-butyl ether	83
trans-1,2-Dichloroethene	92
Hexane	76
1,1-Dichloroethane	83
2-Butanone (Methyl Ethyl Ketone)	80
cis-1,2-Dichloroethene	91
Tetrahydrofuran	74
Chloroform	94
1,1,1-Trichloroethane	98
Cyclohexane	89
Carbon Tetrachloride	101
2,2,4-Trimethylpentane	86
Benzene	94
1,2-Dichloroethane	93
Heptane	90
Trichloroethene	97
1,2-Dichloropropane	88
1,4-Dioxane	98
Bromodichloromethane	99
cis-1,3-Dichloropropene	92
4-Methyl-2-pentanone	83
Toluene	100
trans-1,3-Dichloropropene	91
1,1,2-Trichloroethane	98
Tetrachloroethene	106
2-Hexanone	84

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Client Sample ID: CCV

Lab ID#: 2503778A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/25 10:00 AM**	

Compound	%Recovery
Dibromochloromethane	106
1,2-Dibromoethane (EDB)	100
Chlorobenzene	100
Ethyl Benzene	98
m,p-Xylene	100
o-Xylene	98
Styrene	102
Bromoform	110
Cumene	101
1,1,2,2-Tetrachloroethane	100
Propylbenzene	101
4-Ethyltoluene	101
1,3,5-Trimethylbenzene	105
1,2,4-Trimethylbenzene	106
1,3-Dichlorobenzene	109
1,4-Dichlorobenzene	110
alpha-Chlorotoluene	104
1,2-Dichlorobenzene	112
1,2,4-Trichlorobenzene	113
Hexachlorobutadiene	107
Naphthalene	94

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	108	70-130

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Client Sample ID: LCS

Lab ID#: 2503778A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/25 10:26 AM**	

Compound	%Recovery	Method Limits
Freon 12	100	70-130
Freon 114	104	70-130
Chloromethane	79	70-130
Vinyl Chloride	86	70-130
1,3-Butadiene	78	70-130
Bromomethane	99	70-130
Chloroethane	84	70-130
Freon 11	99	70-130
Ethanol	78	70-130
Freon 113	90	70-130
1,1-Dichloroethene	84	70-130
Acetone	75	70-130
2-Propanol	94	70-130
Carbon Disulfide	87	70-130
3-Chloropropene	77	70-130
Methylene Chloride	80	70-130
Methyl tert-butyl ether	84	70-130
trans-1,2-Dichloroethene	92	70-130
Hexane	75	70-130
1,1-Dichloroethane	82	70-130
2-Butanone (Methyl Ethyl Ketone)	81	70-130
cis-1,2-Dichloroethene	90	70-130
Tetrahydrofuran	78	70-130
Chloroform	91	70-130
1,1,1-Trichloroethane	98	70-130
Cyclohexane	90	70-130
Carbon Tetrachloride	101	70-130
2,2,4-Trimethylpentane	88	70-130
Benzene	97	70-130
1,2-Dichloroethane	95	70-130
Heptane	86	70-130
Trichloroethene	99	70-130
1,2-Dichloropropane	89	70-130
1,4-Dioxane	104	70-130
Bromodichloromethane	99	70-130
cis-1,3-Dichloropropene	93	70-130
4-Methyl-2-pentanone	84	70-130
Toluene	98	70-130
trans-1,3-Dichloropropene	93	70-130
1,1,2-Trichloroethane	99	70-130
Tetrachloroethene	108	70-130
2-Hexanone	86	70-130

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Client Sample ID: LCS

Lab ID#: 2503778A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/25 10:26 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	105	70-130
1,2-Dibromoethane (EDB)	101	70-130
Chlorobenzene	102	70-130
Ethyl Benzene	102	70-130
m,p-Xylene	103	70-130
o-Xylene	99	70-130
Styrene	102	70-130
Bromoform	107	70-130
Cumene	101	70-130
1,1,2,2-Tetrachloroethane	95	70-130
Propylbenzene	100	70-130
4-Ethyltoluene	101	70-130
1,3,5-Trimethylbenzene	108	70-130
1,2,4-Trimethylbenzene	108	70-130
1,3-Dichlorobenzene	109	70-130
1,4-Dichlorobenzene	111	70-130
alpha-Chlorotoluene	101	70-130
1,2-Dichlorobenzene	111	70-130
1,2,4-Trichlorobenzene	130	70-130
Hexachlorobutadiene	122	70-130
Naphthalene	98	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	109	70-130

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Client Sample ID: LCSD

Lab ID#: 2503778A-07AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040305**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/25 10:51 AM**	

Compound	%Recovery	Method Limits
Freon 12	105	70-130
Freon 114	107	70-130
Chloromethane	82	70-130
Vinyl Chloride	87	70-130
1,3-Butadiene	79	70-130
Bromomethane	106	70-130
Chloroethane	86	70-130
Freon 11	102	70-130
Ethanol	83	70-130
Freon 113	109	70-130
1,1-Dichloroethene	87	70-130
Acetone	78	70-130
2-Propanol	98	70-130
Carbon Disulfide	89	70-130
3-Chloropropene	80	70-130
Methylene Chloride	82	70-130
Methyl tert-butyl ether	88	70-130
trans-1,2-Dichloroethene	96	70-130
Hexane	79	70-130
1,1-Dichloroethane	85	70-130
2-Butanone (Methyl Ethyl Ketone)	84	70-130
cis-1,2-Dichloroethene	96	70-130
Tetrahydrofuran	83	70-130
Chloroform	95	70-130
1,1,1-Trichloroethane	102	70-130
Cyclohexane	93	70-130
Carbon Tetrachloride	105	70-130
2,2,4-Trimethylpentane	91	70-130
Benzene	96	70-130
1,2-Dichloroethane	94	70-130
Heptane	86	70-130
Trichloroethene	99	70-130
1,2-Dichloropropane	87	70-130
1,4-Dioxane	105	70-130
Bromodichloromethane	101	70-130
cis-1,3-Dichloropropene	92	70-130
4-Methyl-2-pentanone	83	70-130
Toluene	97	70-130
trans-1,3-Dichloropropene	96	70-130
1,1,2-Trichloroethane	101	70-130
Tetrachloroethene	109	70-130
2-Hexanone	88	70-130

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Client Sample ID: LCSD

Lab ID#: 2503778A-07AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3040305**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/3/25 10:51 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	107	70-130
1,2-Dibromoethane (EDB)	103	70-130
Chlorobenzene	105	70-130
Ethyl Benzene	103	70-130
m,p-Xylene	106	70-130
o-Xylene	100	70-130
Styrene	102	70-130
Bromoform	110	70-130
Cumene	103	70-130
1,1,2,2-Tetrachloroethane	97	70-130
Propylbenzene	102	70-130
4-Ethyltoluene	103	70-130
1,3,5-Trimethylbenzene	111	70-130
1,2,4-Trimethylbenzene	111	70-130
1,3-Dichlorobenzene	113	70-130
1,4-Dichlorobenzene	112	70-130
alpha-Chlorotoluene	103	70-130
1,2-Dichlorobenzene	113	70-130
1,2,4-Trichlorobenzene	135 Q	70-130
Hexachlorobutadiene	128	70-130
Naphthalene	104	60-140

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	109	70-130

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Method : TO-15 + Naph

CAS Number	Compound	Rpt. Limit (ppbv)
75-71-8	Freon 12	0.50
76-14-2	Freon 114	0.50
74-87-3	Chloromethane	5.0
75-01-4	Vinyl Chloride	0.50
106-99-0	1,3-Butadiene	0.50
74-83-9	Bromomethane	5.0
75-00-3	Chloroethane	2.0
75-69-4	Freon 11	0.50
64-17-5	Ethanol	5.0
76-13-1	Freon 113	0.50
75-35-4	1,1-Dichloroethene	0.50
67-64-1	Acetone	5.0
67-63-0	2-Propanol	2.0
75-15-0	Carbon Disulfide	2.0
107-05-1	3-Chloropropene	2.0
75-09-2	Methylene Chloride	5.0
1634-04-4	Methyl tert-butyl ether	2.0
156-60-5	trans-1,2-Dichloroethene	0.50
110-54-3	Hexane	0.50
75-34-3	1,1-Dichloroethane	0.50
78-93-3	2-Butanone (Methyl Ethyl Ketone)	2.0
156-59-2	cis-1,2-Dichloroethene	0.50
109-99-9	Tetrahydrofuran	0.50
67-66-3	Chloroform	0.50
71-55-6	1,1,1-Trichloroethane	0.50
110-82-7	Cyclohexane	0.50
56-23-5	Carbon Tetrachloride	0.50
540-84-1	2,2,4-Trimethylpentane	0.50
71-43-2	Benzene	0.50
107-06-2	1,2-Dichloroethane	0.50
142-82-5	Heptane	0.50
79-01-6	Trichloroethene	0.50
78-87-5	1,2-Dichloropropane	0.50
123-91-1	1,4-Dioxane	2.0
75-27-4	Bromodichloromethane	0.50
10061-01-5	cis-1,3-Dichloropropene	0.50
108-10-1	4-Methyl-2-pentanone	0.50
108-88-3	Toluene	1.0
10061-02-6	trans-1,3-Dichloropropene	0.50
79-00-5	1,1,2-Trichloroethane	0.50
127-18-4	Tetrachloroethene	0.50
591-78-6	2-Hexanone	2.0
124-48-1	Dibromochloromethane	0.50
106-93-4	1,2-Dibromoethane (EDB)	0.50

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Method : TO-15 + Naph

CAS Number	Compound	Rpt. Limit (ppbv)
108-90-7	Chlorobenzene	0.50
100-41-4	Ethyl Benzene	0.50
108-38-3	m,p-Xylene	1.0
95-47-6	o-Xylene	0.50
100-42-5	Styrene	0.50
75-25-2	Bromoform	0.50
98-82-8	Cumene	0.50
79-34-5	1,1,2,2-Tetrachloroethane	0.50
103-65-1	Propylbenzene	0.50
622-96-8	4-Ethyltoluene	0.50
108-67-8	1,3,5-Trimethylbenzene	0.50
95-63-6	1,2,4-Trimethylbenzene	0.50
541-73-1	1,3-Dichlorobenzene	0.50
106-46-7	1,4-Dichlorobenzene	0.50
100-44-7	alpha-Chlorotoluene	0.50
95-50-1	1,2-Dichlorobenzene	0.50
120-82-1	1,2,4-Trichlorobenzene	2.0
87-68-3	Hexachlorobutadiene	2.0
91-20-3	Naphthalene	1.0

	Surrogate	Method Limits
2037-26-5	Toluene-d8	70-130
17060-07-0	1,2-Dichloroethane-d4	70-130
460-00-4	4-Bromofluorobenzene	70-130

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Analytical Report

4/8/2025
Ms. Carrie Rackey
Stantec Consulting Corporation
601 SW 2nd Avenue
Suite 1400
Portland OR 97204

Project Name: OnTario Landfill
Project #: 203724193
Workorder #: 2503778B

Dear Ms. Carrie Rackey

The following report includes the data for the above referenced project for sample(s) received on 3/25/2025 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Monica Tran

Project Manager

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WORK ORDER #: 2503778B

Work Order Summary

CLIENT:	Ms. Carrie Rackey Stantec Consulting Corporation 601 SW 2nd Avenue Suite 1400 Portland, OR 97204	**BILL TO:**	Accounts Payable (OR) Stantec Consulting Corporation 225 NE Hillcrest Drive Suite 5 Grants Pass, OR 97526
PHONE:	503-297-1631	**P.O. #**	203724193
FAX:	503-297-5429	**PROJECT #**	203724193 OnTario Landfill
DATE RECEIVED:	03/25/2025	**CONTACT:**	Monica Tran
DATE COMPLETED:	04/08/2025		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	OLF-SV03	Modified ASTM D-1946	6.3 "Hg	9.6 psi
02A	OLF-SV01	Modified ASTM D-1946	7.1 "Hg	10 psi
03A	OLF-SV02	Modified ASTM D-1946	6.9 "Hg	9.9 psi
04A	OLF-SV-DUP	Modified ASTM D-1946	6.1 "Hg	10.1 psi
05A	Lab Blank	Modified ASTM D-1946	NA	NA
05B	Lab Blank	Modified ASTM D-1946	NA	NA
06A	CCV	Modified ASTM D-1946	NA	NA
06B	CCV	Modified ASTM D-1946	NA	NA
07A	LCS	Modified ASTM D-1946	NA	NA
07AA	LCSD	Modified ASTM D-1946	NA	NA
07B	LCS	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 04/08/25

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP–02089, MN NELAP-2836569, NH NELAP–209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

LABORATORY NARRATIVE
Modified ASTM D-1946
Stantec Consulting Corporation
Workorder# 2503778B

Four 1 Liter Summa Canister samples were received on March 25, 2025. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Since Nitrogen is used to pressurize samples, the reported Nitrogen values are calculated by adding all the sample components and subtracting from 100%.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: OLF-SV03

Lab ID#: 2503778B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	19
Nitrogen	0.21	81
Carbon Dioxide	0.021	0.16

Client Sample ID: OLF-SV01

Lab ID#: 2503778B-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	21
Nitrogen	0.22	79
Carbon Dioxide	0.022	0.23
Helium	0.11	0.48

Client Sample ID: OLF-SV02

Lab ID#: 2503778B-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	21
Nitrogen	0.22	79
Carbon Dioxide	0.022	0.23

Client Sample ID: OLF-SV-DUP

Lab ID#: 2503778B-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	21
Nitrogen	0.21	79
Carbon Dioxide	0.021	0.23

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Client Sample ID: OLF-SV03

Lab ID#: 2503778B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11040706**	**Date of Collection: 3/19/25 9:52:00 AM**	
Dil. Factor:	**2.09**	**Date of Analysis: 4/7/25 12:20 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	19
Nitrogen	0.21	81
Carbon Monoxide	0.021	Not Detected
Methane	0.00021	Not Detected
Carbon Dioxide	0.021	0.16
Ethane	0.0021	Not Detected
Ethene	0.0021	Not Detected
Hydrogen	0.021	Not Detected
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: OLF-SV01

Lab ID#: 2503778B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11040707**	**Date of Collection: 3/19/25 10:31:00 AM**	
Dil. Factor:	**2.20**	**Date of Analysis: 4/7/25 12:47 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	21
Nitrogen	0.22	79
Carbon Monoxide	0.022	Not Detected
Methane	0.00022	Not Detected
Carbon Dioxide	0.022	0.23
Ethane	0.0022	Not Detected
Ethene	0.0022	Not Detected
Hydrogen	0.022	Not Detected
Helium	0.11	0.48

Container Type: 1 Liter Summa Canister

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Client Sample ID: OLF-SV02

Lab ID#: 2503778B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11040708**	**Date of Collection:**	**3/19/25 11:08:00 AM**
Dil. Factor:	**2.18**	**Date of Analysis:**	**4/7/25 01:14 PM**

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	21
Nitrogen	0.22	79
Carbon Monoxide	0.022	Not Detected
Methane	0.00022	Not Detected
Carbon Dioxide	0.022	0.23
Ethane	0.0022	Not Detected
Ethene	0.0022	Not Detected
Hydrogen	0.022	Not Detected
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: OLF-SV-DUP

Lab ID#: 2503778B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11040709**	**Date of Collection:**	**3/19/25 11:12:00 AM**
Dil. Factor:	**2.12**	**Date of Analysis:**	**4/7/25 01:56 PM**

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	21
Nitrogen	0.21	79
Carbon Monoxide	0.021	Not Detected
Methane	0.00021	Not Detected
Carbon Dioxide	0.021	0.23
Ethane	0.0021	Not Detected
Ethene	0.0021	Not Detected
Hydrogen	0.021	Not Detected
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Lab Blank

Lab ID#: 2503778B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11040704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/25 11:26 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Nitrogen	0.10	Not Detected
Carbon Monoxide	0.010	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected
Ethane	0.0010	Not Detected
Ethene	0.0010	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 2503778B-05B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11040705c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/25 11:52 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Hydrogen	0.010	Not Detected
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 2503778B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11040701**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/25 09:58 AM**	

Compound	%Recovery
Oxygen	100
Nitrogen	95
Carbon Monoxide	97
Methane	98
Carbon Dioxide	104
Ethane	101
Ethene	102
Helium	101

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 2503778B-06B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11040703c**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/25 10:55 AM**

Compound	%Recovery
Hydrogen	96

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 2503778B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11040702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/25 10:29 AM**	

Compound	%Recovery	Method Limits
Oxygen	102	85-115
Nitrogen	94	85-115
Carbon Monoxide	94	85-115
Methane	99	85-115
Carbon Dioxide	108	85-115
Ethane	104	85-115
Ethene	102	85-115
Helium	104	85-115

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 2503778B-07AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11040722**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/25 08:27 PM**	

Compound	%Recovery	Method Limits
Oxygen	102	85-115
Nitrogen	94	85-115
Carbon Monoxide	94	85-115
Methane	99	85-115
Carbon Dioxide	107	85-115
Ethane	104	85-115
Ethene	103	85-115
Helium	104	85-115

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 2503778B-07B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11040723c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/25 08:52 PM**	

Compound	%Recovery	Method Limits
Hydrogen	101	85-115

Container Type: NA - Not Applicable

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Method : Modified ASTM D-1946 + H2 + He

CAS Number	Compound	Rpt. Limit (%)
7782-44-7	Oxygen	0.10
7727-37-9	Nitrogen	0.10
630-08-0	Carbon Monoxide	0.010
74-82-8	Methane	0.00010
124-38-9	Carbon Dioxide	0.010
74-84-0	Ethane	0.0010
74-85-1	Ethene	0.0010
1333-74-0	Hydrogen	0.010
7440-59-7	**Helium**	**0.050**

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Friday, September 12, 2025

Carrie Rackey
Stantec Portland
601 SW 2nd Ave Suite 1400
Portland, OR 97204

RE: A5H1220 - Ontario Land Fill - 203724193

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A5H1220, which was received by the laboratory on 8/14/2025 at 11:00:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information			
Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.			
(See Cooler Receipt Form for details)			
Cooler#1	2.8 degC	Cooler#2	4.0 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OLF-MW01	A5H1220-01	Water	08/12/25 09:15	08/14/25 11:00
OLF-MW-dup	A5H1220-02	Water	08/12/25 09:30	08/14/25 11:00
OLF-MW02	A5H1220-03	Water	08/12/25 10:45	08/14/25 11:00
OLF-MW03	A5H1220-04	Water	08/12/25 12:00	08/14/25 11:00
OLF-MW04	A5H1220-05	Water	08/12/25 13:45	08/14/25 11:00
TB-081225	A5H1220-06	Water	08/12/25 00:00	08/14/25 11:00
EB-081225	A5H1220-07	Water	08/12/25 14:00	08/14/25 11:00
OLF-COMP-1	A5H1220-08	Soil	08/13/25 12:15	08/14/25 11:00
OLF-COMP-dup	A5H1220-09	Soil	08/13/25 12:30	08/14/25 11:00

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW01 (A5H1220-01)				**Matrix: Water**		**Batch: 25H0568**		
Diesel	ND	---	0.233	mg/L	1	08/18/25 20:33	NWTPH-Dx	
Oil	ND	---	0.465	mg/L	1	08/18/25 20:33	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 83 %*		*Limits: 50-150 %*	*1*	*08/18/25 20:33*	*NWTPH-Dx*	
OLF-MW-dup (A5H1220-02)				**Matrix: Water**		**Batch: 25H0568**		
Diesel	ND	---	0.225	mg/L	1	08/18/25 20:53	NWTPH-Dx	
Oil	ND	---	0.449	mg/L	1	08/18/25 20:53	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 80 %*		*Limits: 50-150 %*	*1*	*08/18/25 20:53*	*NWTPH-Dx*	
OLF-MW02 (A5H1220-03)				**Matrix: Water**		**Batch: 25H0568**		
Diesel	ND	---	0.213	mg/L	1	08/18/25 21:13	NWTPH-Dx	
Oil	ND	---	0.426	mg/L	1	08/18/25 21:13	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 78 %*		*Limits: 50-150 %*	*1*	*08/18/25 21:13*	*NWTPH-Dx*	
OLF-MW03 (A5H1220-04)				**Matrix: Water**		**Batch: 25H0568**		
Diesel	ND	---	0.220	mg/L	1	08/18/25 21:34	NWTPH-Dx	
Oil	ND	---	0.440	mg/L	1	08/18/25 21:34	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 80 %*		*Limits: 50-150 %*	*1*	*08/18/25 21:34*	*NWTPH-Dx*	
OLF-MW04 (A5H1220-05)				**Matrix: Water**		**Batch: 25H0568**		
Diesel	ND	---	0.213	mg/L	1	08/18/25 21:54	NWTPH-Dx	
Oil	ND	---	0.426	mg/L	1	08/18/25 21:54	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 79 %*		*Limits: 50-150 %*	*1*	*08/18/25 21:54*	*NWTPH-Dx*	
EB-081225 (A5H1220-07)				**Matrix: Water**		**Batch: 25H0568**		
Diesel	ND	---	0.200	mg/L	1	08/18/25 22:14	NWTPH-Dx	
Oil	ND	---	0.400	mg/L	1	08/18/25 22:14	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 83 %*		*Limits: 50-150 %*	*1*	*08/18/25 22:14*	*NWTPH-Dx*	
OLF-COMP-1 (A5H1220-08)				**Matrix: Soil**		**Batch: 25H0565**		
Diesel	ND	---	18.1	mg/kg dry	1	08/18/25 10:26	NWTPH-Dx	
Oil	ND	---	36.3	mg/kg dry	1	08/18/25 10:26	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 93 %*		*Limits: 50-150 %*	*1*	*08/18/25 10:26*	*NWTPH-Dx*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-COMP-dup (A5H1220-09)				**Matrix: Soil**		**Batch: 25H0565**		
Diesel	ND	---	18.0	mg/kg dry	1	08/18/25 11:14	NWTPH-Dx	
Oil	**39.5**	---	36.0	mg/kg dry	1	08/18/25 11:14	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 90 %*		*Limits: 50-150 %*	*1*	*08/18/25 11:14*	*NWTPH-Dx*	

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Philip Nerenberg, Lab Director

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601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW01 (A5H1220-01)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Gasoline Range Organics	ND	---	0.100	mg/L	1	08/14/25 16:53	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 98 %*		*Limits: 50-150 %*	*1*	*08/14/25 16:53*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*104 %*		*50-150 %*	*1*	*08/14/25 16:53*	*NWTPH-Gx (MS)*	
OLF-MW-dup (A5H1220-02)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Gasoline Range Organics	ND	---	0.100	mg/L	1	08/14/25 17:20	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 97 %*		*Limits: 50-150 %*	*1*	*08/14/25 17:20*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*104 %*		*50-150 %*	*1*	*08/14/25 17:20*	*NWTPH-Gx (MS)*	
OLF-MW02 (A5H1220-03)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Gasoline Range Organics	ND	---	0.100	mg/L	1	08/14/25 17:47	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 97 %*		*Limits: 50-150 %*	*1*	*08/14/25 17:47*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*105 %*		*50-150 %*	*1*	*08/14/25 17:47*	*NWTPH-Gx (MS)*	
OLF-MW03 (A5H1220-04)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Gasoline Range Organics	ND	---	0.100	mg/L	1	08/14/25 18:14	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 97 %*		*Limits: 50-150 %*	*1*	*08/14/25 18:14*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*103 %*		*50-150 %*	*1*	*08/14/25 18:14*	*NWTPH-Gx (MS)*	
OLF-MW04 (A5H1220-05)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Gasoline Range Organics	ND	---	0.100	mg/L	1	08/14/25 19:08	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 97 %*		*Limits: 50-150 %*	*1*	*08/14/25 19:08*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*104 %*		*50-150 %*	*1*	*08/14/25 19:08*	*NWTPH-Gx (MS)*	
EB-081225 (A5H1220-07)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Gasoline Range Organics	ND	---	0.100	mg/L	1	08/14/25 16:26	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 97 %*		*Limits: 50-150 %*	*1*	*08/14/25 16:26*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*104 %*		*50-150 %*	*1*	*08/14/25 16:26*	*NWTPH-Gx (MS)*	
OLF-COMP-1 (A5H1220-08)				**Matrix: Soil**		**Batch: 25H0516**		
Gasoline Range Organics	ND	---	6.81	mg/kg dry	50	08/15/25 18:13	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 100 %*		*Limits: 50-150 %*	*1*	*08/15/25 18:13*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*97 %*		*50-150 %*	*1*	*08/15/25 18:13*	*NWTPH-Gx (MS)*	
OLF-COMP-dup (A5H1220-09)				**Matrix: Soil**		**Batch: 25H0516**		

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-COMP-dup (A5H1220-09)				**Matrix: Soil**		**Batch: 25H0516**		
Gasoline Range Organics	ND	---	7.45	mg/kg dry	50	08/15/25 18:40	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 100 %*		*Limits: 50-150 %*	*1*	*08/15/25 18:40*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*96 %*	*50-150 %*	*1*	*08/15/25 18:40*	*NWTPH-Gx (MS)*	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW01 (A5H1220-01)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Acetone	ND	---	20.0	ug/L	1	08/14/25 16:53	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	08/14/25 16:53	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	08/14/25 16:53	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	08/14/25 16:53	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	08/14/25 16:53	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	08/14/25 16:53	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	08/14/25 16:53	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 16:53	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 16:53	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 16:53	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW01 (A5H1220-01)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
1,3-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	08/14/25 16:53	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	08/14/25 16:53	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	08/14/25 16:53	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	08/14/25 16:53	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/14/25 16:53	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	08/14/25 16:53	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	08/14/25 16:53	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	08/14/25 16:53	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	08/14/25 16:53	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	08/14/25 16:53	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	08/14/25 16:53	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	08/14/25 16:53	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 107 %*		*Limits: 80-120 %*	*1*	*08/14/25 16:53*	*EPA 8260D*	

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Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW01 (A5H1220-01)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Surrogate: Toluene-d8 (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*08/14/25 16:53*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*08/14/25 16:53*	*EPA 8260D*	
OLF-MW01 (A5H1220-01RE1)				**Matrix: Water**		**Batch: 25H0566**		**CONT, V-01**
Chloromethane	**5.08**	---	5.00	ug/L	1	08/18/25 20:53	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*08/18/25 20:53*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*08/18/25 20:53*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*80-120 %*	*1*	*08/18/25 20:53*	*EPA 8260D*	
OLF-MW-dup (A5H1220-02)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Acetone	ND	---	20.0	ug/L	1	08/14/25 17:20	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	08/14/25 17:20	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	08/14/25 17:20	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	08/14/25 17:20	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	08/14/25 17:20	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	

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Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW-dup (A5H1220-02)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	08/14/25 17:20	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	08/14/25 17:20	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 17:20	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 17:20	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 17:20	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	08/14/25 17:20	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	08/14/25 17:20	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	08/14/25 17:20	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	08/14/25 17:20	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/14/25 17:20	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	08/14/25 17:20	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	08/14/25 17:20	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	08/14/25 17:20	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW-dup (A5H1220-02)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	08/14/25 17:20	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	08/14/25 17:20	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	08/14/25 17:20	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	08/14/25 17:20	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*109 %*	*Limits: 80-120 %*	*1*	*08/14/25 17:20*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*08/14/25 17:20*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*08/14/25 17:20*	*EPA 8260D*	
OLF-MW-dup (A5H1220-02RE1)				**Matrix: Water**		**Batch: 25H0566**		**CONT**
Chloromethane	**6.69**	---	5.00	ug/L	1	08/18/25 21:14	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*08/18/25 21:14*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*08/18/25 21:14*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*08/18/25 21:14*	*EPA 8260D*	
OLF-MW02 (A5H1220-03)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Acetone	ND	---	20.0	ug/L	1	08/14/25 17:47	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	08/14/25 17:47	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	08/14/25 17:47	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	08/14/25 17:47	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	08/14/25 17:47	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW02 (A5H1220-03)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Chloroethane	ND	---	5.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	08/14/25 17:47	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	08/14/25 17:47	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 17:47	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 17:47	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 17:47	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	08/14/25 17:47	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	08/14/25 17:47	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	08/14/25 17:47	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	08/14/25 17:47	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/14/25 17:47	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	

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601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW02 (A5H1220-03)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Styrene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	08/14/25 17:47	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	08/14/25 17:47	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	08/14/25 17:47	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	08/14/25 17:47	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	08/14/25 17:47	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	08/14/25 17:47	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	08/14/25 17:47	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits:* *80-120 %*	*1*	*08/14/25 17:47*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*08/14/25 17:47*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*08/14/25 17:47*	*EPA 8260D*	
OLF-MW02 (A5H1220-03RE1)				**Matrix: Water**		**Batch: 25H0566**		**CONT, V-01**
Chloromethane	**18.9**	---	5.00	ug/L	1	08/18/25 21:35	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits:* *80-120 %*	*1*	*08/18/25 21:35*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*08/18/25 21:35*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*80-120 %*	*1*	*08/18/25 21:35*	*EPA 8260D*	
OLF-MW03 (A5H1220-04)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Acetone	ND	---	20.0	ug/L	1	08/14/25 18:14	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	08/14/25 18:14	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	08/14/25 18:14	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW03 (A5H1220-04)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Bromoform	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	08/14/25 18:14	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	08/14/25 18:14	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	08/14/25 18:14	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	08/14/25 18:14	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	08/14/25 18:14	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	08/14/25 18:14	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 18:14	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 18:14	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 18:14	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	

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Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW03 (A5H1220-04)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Hexachlorobutadiene	ND	---	5.00	ug/L	1	08/14/25 18:14	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	08/14/25 18:14	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	08/14/25 18:14	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	08/14/25 18:14	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/14/25 18:14	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	08/14/25 18:14	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	08/14/25 18:14	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	08/14/25 18:14	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	08/14/25 18:14	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	08/14/25 18:14	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	08/14/25 18:14	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	08/14/25 18:14	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits:*	*80-120 %*	*08/14/25 18:14*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*		*80-120 %*	*08/14/25 18:14*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*	*08/14/25 18:14*	*EPA 8260D*	
OLF-MW03 (A5H1220-04RE1)				**Matrix: Water**		**Batch: 25H0566**		**CONT, V-01**
Chloromethane	**17.5**	---	5.00	ug/L	1	08/18/25 21:57	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*	*08/18/25 21:57*	*EPA 8260D*	
Toluene-d8 (Surr)			*97 %*		*80-120 %*	*08/18/25 21:57*	*EPA 8260D*	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW03 (A5H1220-04RE1)				**Matrix: Water**		**Batch: 25H0566**		**CONT, V-01**
Surrogate: 4-Bromofluorobenzene (Surr)		*Recovery: 100 %*	*Limits: 80-120 %*		*1*	*08/18/25 21:57*	*EPA 8260D*	
OLF-MW04 (A5H1220-05)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Acetone	ND	---	20.0	ug/L	1	08/14/25 19:08	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	08/14/25 19:08	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	08/14/25 19:08	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	08/14/25 19:08	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	08/14/25 19:08	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	08/14/25 19:08	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	08/14/25 19:08	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	08/14/25 19:08	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 19:08	EPA 8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW04 (A5H1220-05)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 19:08	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 19:08	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	08/14/25 19:08	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	08/14/25 19:08	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	08/14/25 19:08	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	08/14/25 19:08	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/14/25 19:08	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	08/14/25 19:08	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	08/14/25 19:08	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	08/14/25 19:08	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	08/14/25 19:08	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	08/14/25 19:08	EPA 8260D	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW04 (A5H1220-05)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
m,p-Xylene	ND	---	1.00	ug/L	1	08/14/25 19:08	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	08/14/25 19:08	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits: 80-120 %*	*1*	*08/14/25 19:08*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*08/14/25 19:08*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*08/14/25 19:08*	*EPA 8260D*	
TB-081225 (A5H1220-06)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Acetone	ND	---	20.0	ug/L	1	08/14/25 15:59	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	08/14/25 15:59	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	08/14/25 15:59	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	08/14/25 15:59	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	08/14/25 15:59	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	08/14/25 15:59	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	08/14/25 15:59	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TB-081225 (A5H1220-06)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	08/14/25 15:59	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	08/14/25 15:59	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 15:59	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 15:59	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 15:59	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	08/14/25 15:59	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	08/14/25 15:59	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	08/14/25 15:59	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	08/14/25 15:59	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/14/25 15:59	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	08/14/25 15:59	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	08/14/25 15:59	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 15:59	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 15:59	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	08/14/25 15:59	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	08/14/25 15:59	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	08/14/25 15:59	EPA 8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TB-081225 (A5H1220-06)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	08/14/25 15:59	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	08/14/25 15:59	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	08/14/25 15:59	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits: 80-120 %*	*1*	*08/14/25 15:59*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*08/14/25 15:59*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*08/14/25 15:59*	*EPA 8260D*	
EB-081225 (A5H1220-07)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Acetone	ND	---	20.0	ug/L	1	08/14/25 16:26	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	08/14/25 16:26	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Bromoform	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	08/14/25 16:26	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	08/14/25 16:26	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	08/14/25 16:26	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	08/14/25 16:26	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	08/14/25 16:26	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
EB-081225 (A5H1220-07)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
Dibromomethane	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	08/14/25 16:26	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	08/14/25 16:26	EPA 8260D	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 16:26	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 16:26	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	08/14/25 16:26	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	08/14/25 16:26	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	08/14/25 16:26	EPA 8260D	
Isopropylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	08/14/25 16:26	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	08/14/25 16:26	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Naphthalene	ND	---	5.00	ug/L	1	08/14/25 16:26	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	08/14/25 16:26	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	08/14/25 16:26	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 16:26	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	08/14/25 16:26	EPA 8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
EB-081225 (A5H1220-07)				**Matrix: Water**		**Batch: 25H0443**		**CONT**
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	08/14/25 16:26	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	08/14/25 16:26	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	08/14/25 16:26	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
Vinyl chloride	ND	---	0.200	ug/L	1	08/14/25 16:26	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	08/14/25 16:26	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	08/14/25 16:26	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*107 %*	*Limits: 80-120 %*	*1*	*08/14/25 16:26*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*08/14/25 16:26*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*08/14/25 16:26*	*EPA 8260D*	
OLF-COMP-1 (A5H1220-08)				**Matrix: Soil**		**Batch: 25H0516**		
Acetone	ND	---	1360	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Acrylonitrile	ND	---	136	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Benzene	ND	---	13.6	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Bromobenzene	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Bromochloromethane	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Bromodichloromethane	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Bromoform	ND	---	136	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Bromomethane	ND	---	681	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
2-Butanone (MEK)	ND	---	681	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
n-Butylbenzene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
sec-Butylbenzene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
tert-Butylbenzene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Carbon disulfide	ND	---	681	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Carbon tetrachloride	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Chlorobenzene	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Chloroethane	ND	---	681	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Chloroform	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Chloromethane	ND	---	341	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
2-Chlorotoluene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-COMP-1 (A5H1220-08)				**Matrix: Soil**		**Batch: 25H0516**		
4-Chlorotoluene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Dibromochloromethane	ND	---	136	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	341	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Dibromomethane	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,2-Dichlorobenzene	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,3-Dichlorobenzene	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,4-Dichlorobenzene	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Dichlorodifluoromethane	ND	---	136	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,1-Dichloroethane	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,1-Dichloroethene	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,2-Dichloropropane	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,3-Dichloropropane	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
2,2-Dichloropropane	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,1-Dichloropropene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Ethylbenzene	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Hexachlorobutadiene	ND	---	136	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
2-Hexanone	ND	---	681	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Isopropylbenzene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
4-Isopropyltoluene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Methylene chloride	ND	---	681	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	681	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Naphthalene	ND	---	136	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
n-Propylbenzene	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Styrene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-COMP-1 (A5H1220-08)				**Matrix: Soil**		**Batch: 25H0516**		
Tetrachloroethene (PCE)	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Toluene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	341	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	341	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,1,1-Trichloroethane	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,1,2-Trichloroethane	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Trichloroethene (TCE)	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Trichlorofluoromethane	ND	---	341	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,2,3-Trichloropropane	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Vinyl chloride	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
m,p-Xylene	ND	---	68.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
o-Xylene	ND	---	34.1	ug/kg dry	50	08/15/25 18:13	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*08/15/25 18:13*	*5035A/8260D*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*08/15/25 18:13*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*79-120 %*	*1*	*08/15/25 18:13*	*5035A/8260D*	
OLF-COMP-dup (A5H1220-09)				**Matrix: Soil**		**Batch: 25H0516**		
Acetone	ND	---	1490	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Acrylonitrile	ND	---	149	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Benzene	ND	---	14.9	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Bromobenzene	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Bromochloromethane	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Bromodichloromethane	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Bromoform	ND	---	149	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Bromomethane	ND	---	745	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
2-Butanone (MEK)	ND	---	745	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
n-Butylbenzene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
sec-Butylbenzene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
tert-Butylbenzene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Carbon disulfide	ND	---	745	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Carbon tetrachloride	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Chlorobenzene	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-COMP-dup (A5H1220-09)				**Matrix: Soil**		**Batch: 25H0516**		
Chloroethane	ND	---	745	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Chloroform	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Chloromethane	ND	---	372	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
2-Chlorotoluene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
4-Chlorotoluene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Dibromochloromethane	ND	---	149	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	372	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Dibromomethane	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,2-Dichlorobenzene	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,3-Dichlorobenzene	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,4-Dichlorobenzene	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Dichlorodifluoromethane	ND	---	149	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,1-Dichloroethane	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,1-Dichloroethene	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,2-Dichloropropane	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,3-Dichloropropane	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
2,2-Dichloropropane	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,1-Dichloropropene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Ethylbenzene	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Hexachlorobutadiene	ND	---	149	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
2-Hexanone	ND	---	745	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Isopropylbenzene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
4-Isopropyltoluene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Methylene chloride	ND	---	745	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	745	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Naphthalene	ND	---	149	ug/kg dry	50	08/15/25 18:40	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-COMP-dup (A5H1220-09)				**Matrix: Soil**		**Batch: 25H0516**		
n-Propylbenzene	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Styrene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Toluene	**88.7**	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	372	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	372	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,1,1-Trichloroethane	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,1,2-Trichloroethane	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Trichloroethene (TCE)	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Trichlorofluoromethane	ND	---	372	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,2,3-Trichloropropane	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Vinyl chloride	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
m,p-Xylene	**98.3**	---	74.5	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
o-Xylene	ND	---	37.2	ug/kg dry	50	08/15/25 18:40	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*08/15/25 18:40*	*5035A/8260D*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*08/15/25 18:40*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*08/15/25 18:40*	*5035A/8260D*	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW01 (A5H1220-01)				**Matrix: Water**				
Batch: 25H0894								
Arsenic	**42.9**	---	1.00	ug/L	1	08/27/25 17:34	EPA 6020B	**CONT**
Barium	**110**	---	2.00	ug/L	1	08/27/25 17:34	EPA 6020B	**CONT**
Cadmium	ND	---	0.200	ug/L	1	08/27/25 17:34	EPA 6020B	CONT
Chromium	**2.18**	---	2.00	ug/L	1	08/27/25 17:34	EPA 6020B	**CONT**
Lead	**0.648**	---	0.200	ug/L	1	08/27/25 17:34	EPA 6020B	**CONT**
Mercury	ND	---	0.0800	ug/L	1	08/27/25 17:34	EPA 6020B	CONT
Selenium	**12.9**	---	1.00	ug/L	1	08/27/25 17:34	EPA 6020B	**CONT**
Silver	ND	---	0.200	ug/L	1	08/27/25 17:34	EPA 6020B	CONT
OLF-MW-dup (A5H1220-02)				**Matrix: Water**				
Batch: 25H0894								
Arsenic	**42.7**	---	1.00	ug/L	1	08/27/25 17:46	EPA 6020B	**CONT**
Barium	**108**	---	2.00	ug/L	1	08/27/25 17:46	EPA 6020B	**CONT**
Cadmium	ND	---	0.200	ug/L	1	08/27/25 17:46	EPA 6020B	CONT
Chromium	**2.31**	---	2.00	ug/L	1	08/27/25 17:46	EPA 6020B	**CONT**
Lead	**1.59**	---	0.200	ug/L	1	08/27/25 17:46	EPA 6020B	**CONT**
Mercury	ND	---	0.0800	ug/L	1	08/27/25 17:46	EPA 6020B	CONT
Selenium	**12.7**	---	1.00	ug/L	1	08/27/25 17:46	EPA 6020B	**CONT**
Silver	ND	---	0.200	ug/L	1	08/27/25 17:46	EPA 6020B	CONT
OLF-MW02 (A5H1220-03)				**Matrix: Water**				
Batch: 25H0894								
Arsenic	**75.9**	---	1.00	ug/L	1	08/27/25 17:58	EPA 6020B	**CONT**
Barium	**21.0**	---	2.00	ug/L	1	08/27/25 17:58	EPA 6020B	**CONT**
Cadmium	ND	---	0.200	ug/L	1	08/27/25 17:58	EPA 6020B	CONT
Chromium	**3.34**	---	2.00	ug/L	1	08/27/25 17:58	EPA 6020B	**CONT**
Lead	**0.597**	---	0.200	ug/L	1	08/27/25 17:58	EPA 6020B	**CONT**
Mercury	ND	---	0.0800	ug/L	1	08/27/25 17:58	EPA 6020B	CONT
Selenium	**9.43**	---	1.00	ug/L	1	08/27/25 17:58	EPA 6020B	**CONT**
Silver	ND	---	0.200	ug/L	1	08/27/25 17:58	EPA 6020B	CONT
OLF-MW03 (A5H1220-04)				**Matrix: Water**				
Batch: 25H0894								

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-MW03 (A5H1220-04)				**Matrix: Water**				
Arsenic	**37.9**	---	1.00	ug/L	1	08/27/25 18:05	EPA 6020B	**CONT**
Barium	**41.6**	---	2.00	ug/L	1	08/27/25 18:05	EPA 6020B	**CONT**
Cadmium	ND	---	0.200	ug/L	1	08/27/25 18:05	EPA 6020B	CONT
Chromium	**2.72**	---	2.00	ug/L	1	08/27/25 18:05	EPA 6020B	**CONT**
Lead	**1.47**	---	0.200	ug/L	1	08/27/25 18:05	EPA 6020B	**CONT**
Mercury	ND	---	0.0800	ug/L	1	08/27/25 18:05	EPA 6020B	CONT
Selenium	**10.6**	---	1.00	ug/L	1	08/27/25 18:05	EPA 6020B	**CONT**
Silver	ND	---	0.200	ug/L	1	08/27/25 18:05	EPA 6020B	CONT
OLF-MW04 (A5H1220-05)				**Matrix: Water**				
Batch: 25H0894								
Arsenic	**125**	---	1.00	ug/L	1	08/27/25 18:28	EPA 6020B	**CONT**
Barium	**55.4**	---	2.00	ug/L	1	08/27/25 18:28	EPA 6020B	**CONT**
Cadmium	**0.212**	---	0.200	ug/L	1	08/27/25 18:28	EPA 6020B	**CONT**
Chromium	**2.35**	---	2.00	ug/L	1	08/27/25 18:28	EPA 6020B	**CONT**
Lead	**1.04**	---	0.200	ug/L	1	08/27/25 18:28	EPA 6020B	**CONT**
Mercury	ND	---	0.0800	ug/L	1	08/27/25 18:28	EPA 6020B	CONT
Selenium	**13.3**	---	1.00	ug/L	1	08/27/25 18:28	EPA 6020B	**CONT**
Silver	ND	---	0.200	ug/L	1	08/27/25 18:28	EPA 6020B	CONT
EB-081225 (A5H1220-07)				**Matrix: Water**				
Batch: 25H0894								
Arsenic	ND	---	1.00	ug/L	1	08/27/25 18:35	EPA 6020B	CONT
Barium	ND	---	2.00	ug/L	1	08/27/25 18:35	EPA 6020B	CONT
Cadmium	ND	---	0.200	ug/L	1	08/27/25 18:35	EPA 6020B	CONT
Chromium	ND	---	2.00	ug/L	1	08/27/25 18:35	EPA 6020B	CONT
Mercury	ND	---	0.0800	ug/L	1	08/27/25 18:35	EPA 6020B	CONT
Selenium	ND	---	1.00	ug/L	1	08/27/25 18:35	EPA 6020B	CONT
Silver	ND	---	0.200	ug/L	1	08/27/25 18:35	EPA 6020B	CONT
EB-081225 (A5H1220-07RE3)				**Matrix: Water**				
Batch: 25I0122								
Lead	ND	---	0.200	ug/L	1	09/04/25 21:28	EPA 6020B	CONT

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-COMP-1 (A5H1220-08)				**Matrix: Soil**				
Batch: 25H0863								
Arsenic	**4.18**	---	1.04	mg/kg dry	10	08/25/25 19:07	EPA 6020B	
Barium	**190**	---	1.04	mg/kg dry	10	08/25/25 19:07	EPA 6020B	
Cadmium	**1.18**	---	0.208	mg/kg dry	10	08/25/25 19:07	EPA 6020B	
Chromium	**10.4**	---	1.04	mg/kg dry	10	08/25/25 19:07	EPA 6020B	
Lead	**46.8**	---	0.208	mg/kg dry	10	08/25/25 19:07	EPA 6020B	
Mercury	**0.278**	---	0.0834	mg/kg dry	10	08/25/25 19:07	EPA 6020B	
Selenium	ND	---	1.04	mg/kg dry	10	08/25/25 19:07	EPA 6020B	
Silver	ND	---	0.208	mg/kg dry	10	08/25/25 19:07	EPA 6020B	
OLF-COMP-dup (A5H1220-09)				**Matrix: Soil**				
Batch: 25H0863								
Arsenic	**4.02**	---	1.09	mg/kg dry	10	08/25/25 19:13	EPA 6020B	
Barium	**174**	---	1.09	mg/kg dry	10	08/25/25 19:13	EPA 6020B	
Cadmium	**1.07**	---	0.218	mg/kg dry	10	08/25/25 19:13	EPA 6020B	
Chromium	**11.2**	---	1.09	mg/kg dry	10	08/25/25 19:13	EPA 6020B	
Lead	**48.1**	---	0.218	mg/kg dry	10	08/25/25 19:13	EPA 6020B	
Mercury	**0.272**	---	0.0873	mg/kg dry	10	08/25/25 19:13	EPA 6020B	
Selenium	ND	---	1.09	mg/kg dry	10	08/25/25 19:13	EPA 6020B	
Silver	ND	---	0.218	mg/kg dry	10	08/25/25 19:13	EPA 6020B	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OLF-COMP-1 (A5H1220-08)				**Matrix: Soil**		**Batch: 25H0584**		
% Solids	**98.3**	---	1.00	%	1	08/19/25 05:15	EPA 8000D	
OLF-COMP-dup (A5H1220-09)				**Matrix: Soil**		**Batch: 25H0584**		
% Solids	**98.5**	---	1.00	%	1	08/19/25 05:15	EPA 8000D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: Ontario Land Fill	
601 SW 2nd Ave Suite 1400	Project Number: 203724193	Report ID:
Portland, OR 97204	Project Manager: Carrie Rackey	A5H1220 - 09 12 25 1449

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0565 - EPA 3546 (Fuels)							Soil					
Blank (25H0565-BLK1)			Prepared: 08/18/25 06:39		Analyzed: 08/18/25 10:24							
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 84 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS (25H0565-BS1)			Prepared: 08/18/25 06:39		Analyzed: 08/18/25 10:45							
NWTPH-Dx												
Diesel	109	---	20.0	mg/kg wet	1	125	---	87	38-132%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 85 %*		*Limits: 50-150 %*		*Dilution: 1x*					
Duplicate (25H0565-DUP1)			Prepared: 08/18/25 06:39		Analyzed: 08/18/25 11:26							
QC Source Sample: Non-SDG (A5H1200-01)												
Diesel	ND	---	21.0	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	42.0	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 66 %*		*Limits: 50-150 %*		*Dilution: 1x*					
Duplicate (25H0565-DUP2)			Prepared: 08/18/25 06:39		Analyzed: 08/18/25 12:49							
QC Source Sample: Non-SDG (A5H1288-09)												
Diesel	ND	---	22.1	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	44.2	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 82 %*		*Limits: 50-150 %*		*Dilution: 1x*					
Batch 25H0568 - EPA 3510C (Fuels/Acid Ext.)							Water					
Blank (25H0568-BLK1)			Prepared: 08/18/25 07:53		Analyzed: 08/18/25 20:26							
NWTPH-Dx												
Diesel	ND	---	0.0800	mg/L	1	---	---	---	---	---	---	
Oil	ND	---	0.160	mg/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 70 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS (25H0568-BS1)			Prepared: 08/18/25 07:53		Analyzed: 08/18/25 20:50							
NWTPH-Dx												
Diesel	0.306	---	0.0800	mg/L	1	0.500	---	61	36-132%	---	---	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0568 - EPA 3510C (Fuels/Acid Ext.)												**Water**
LCS (25H0568-BS1)				Prepared: 08/18/25 07:53		Analyzed: 08/18/25 20:50						
Surr: o-Terphenyl (Surr)			*Recovery: 76 %*	*Limits: 50-150 %*		*Dilution: 1x*						
LCS Dup (25H0568-BSD1)				Prepared: 08/18/25 07:53		Analyzed: 08/18/25 21:14						**Q-19**
NWTPH-Dx												
Diesel	0.297	---	0.0800	mg/L	1	0.500	---	59	36-132%	3	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 75 %*	*Limits: 50-150 %*		*Dilution: 1x*						

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C												**Water**
Blank (25H0443-BLK1)			Prepared: 08/14/25 09:04		Analyzed: 08/14/25 14:38							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	0.100	mg/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 97 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*104 %*		*50-150 %*				*"*			
LCS (25H0443-BS2)			Prepared: 08/14/25 09:04		Analyzed: 08/14/25 14:12							
NWTPH-Gx (MS)												
Gasoline Range Organics	0.515	---	0.100	mg/L	1	0.500	---	103	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 97 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*102 %*		*50-150 %*				*"*			
Duplicate (25H0443-DUP1)			Prepared: 08/14/25 09:04		Analyzed: 08/15/25 00:04							
QC Source Sample: Non-SDG (A5H1178-03)												
Gasoline Range Organics	**5.83**	---	2.00	mg/L	20	---	6.02	---	---	3	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 96 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*102 %*		*50-150 %*				*"*			
Duplicate (25H0443-DUP2)			Prepared: 08/14/25 09:04		Analyzed: 08/14/25 18:41							**CONT**
QC Source Sample: OLF-MW03 (A5H1220-04)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	0.100	mg/L	1	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 99 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*105 %*		*50-150 %*				*"*			

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A									Soil			
Blank (25H0516-BLK1)			Prepared: 08/15/25 09:00		Analyzed: 08/15/25 11:50							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	5.00	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 100 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*94 %*		*50-150 %*			*"*					
LCS (25H0516-BS2)			Prepared: 08/15/25 09:00		Analyzed: 08/15/25 11:23							
NWTPH-Gx (MS)												
Gasoline Range Organics	24.0	---	5.00	mg/kg wet	50	25.0	---	96	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*94 %*		*50-150 %*			*"*					
Duplicate (25H0516-DUP1)			Prepared: 08/14/25 10:00		Analyzed: 08/15/25 14:07							
QC Source Sample: Non-SDG (A5H1245-01)												
Gasoline Range Organics	ND	---	9.05	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 98 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*96 %*		*50-150 %*			*"*					
Duplicate (25H0516-DUP2)			Prepared: 08/13/25 12:21		Analyzed: 08/15/25 20:29							
QC Source Sample: Non-SDG (A5H1196-01)												
Gasoline Range Organics	**645**	---	12.6	mg/kg dry	100	---	679	---	---	5	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 100 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*97 %*		*50-150 %*			*"*					

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C							**Water**					
Blank (25H0443-BLK1)			Prepared: 08/14/25 09:04 Analyzed: 08/14/25 14:38									
EPA 8260D												
Acetone	ND	---	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C							**Water**					
Blank (25H0443-BLK1)			Prepared: 08/14/25 09:04		Analyzed: 08/14/25 14:38							
1,2-Dichloropropane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 106 %* *Limits: 80-120 %* *Dilution: 1x*

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C									**Water**			
Blank (25H0443-BLK1)			Prepared: 08/14/25 09:04 Analyzed: 08/14/25 14:38									
Surr: Toluene-d8 (Surr)			*Recovery: 100 %*	*Limits: 80-120 %*					*Dilution: 1x*			
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*					*"*			
LCS (25H0443-BS1)			Prepared: 08/14/25 09:04 Analyzed: 08/14/25 13:36									
EPA 8260D												
Acetone	48.1	---	20.0	ug/L	1	40.0	---	120	80-120%	---	---	
Acrylonitrile	24.7	---	2.00	ug/L	1	20.0	---	**124**	**80-120%**	---	---	Q-56
Benzene	20.0	---	0.200	ug/L	1	20.0	---	100	80-120%	---	---	
Bromobenzene	18.7	---	0.500	ug/L	1	20.0	---	93	80-120%	---	---	
Bromochloromethane	21.2	---	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
Bromodichloromethane	19.9	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
Bromoform	20.5	---	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
Bromomethane	13.6	---	5.00	ug/L	1	20.0	---	**68**	**80-120%**	---	---	Q-55
2-Butanone (MEK)	47.3	---	10.0	ug/L	1	40.0	---	118	80-120%	---	---	
n-Butylbenzene	20.4	---	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
sec-Butylbenzene	20.0	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
tert-Butylbenzene	18.6	---	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
Carbon disulfide	19.0	---	10.0	ug/L	1	20.0	---	95	80-120%	---	---	
Carbon tetrachloride	19.0	---	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
Chlorobenzene	19.8	---	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
Chloroethane	18.2	---	5.00	ug/L	1	20.0	---	91	80-120%	---	---	
Chloroform	19.5	---	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
Chloromethane	27.2	---	5.00	ug/L	1	20.0	---	**136**	**80-120%**	---	---	Q-56
2-Chlorotoluene	19.2	---	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
4-Chlorotoluene	19.2	---	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
Dibromochloromethane	20.0	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,2-Dibromo-3-chloropropane	22.8	---	5.00	ug/L	1	20.0	---	114	80-120%	---	---	
1,2-Dibromoethane (EDB)	19.6	---	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Dibromomethane	20.1	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,2-Dichlorobenzene	19.9	---	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
1,3-Dichlorobenzene	19.8	---	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
1,4-Dichlorobenzene	19.5	---	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Dichlorodifluoromethane	25.2	---	1.00	ug/L	1	20.0	---	**126**	**80-120%**	---	---	Q-56
1,1-Dichloroethane	19.8	---	0.400	ug/L	1	20.0	---	99	80-120%	---	---	

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C							**Water**					
LCS (25H0443-BS1)			Prepared: 08/14/25 09:04 Analyzed: 08/14/25 13:36									
1,2-Dichloroethane (EDC)	19.2	---	0.400	ug/L	1	20.0	---	96	80-120%	---	---	
1,1-Dichloroethene	19.1	---	0.400	ug/L	1	20.0	---	96	80-120%	---	---	
cis-1,2-Dichloroethene	19.7	---	0.400	ug/L	1	20.0	---	98	80-120%	---	---	
trans-1,2-Dichloroethene	19.5	---	0.400	ug/L	1	20.0	---	97	80-120%	---	---	
1,2-Dichloropropane	19.9	---	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
1,3-Dichloropropane	20.0	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
2,2-Dichloropropane	21.5	---	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
1,1-Dichloropropene	19.6	---	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
cis-1,3-Dichloropropene	20.0	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
trans-1,3-Dichloropropene	20.4	---	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
Ethylbenzene	19.3	---	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Hexachlorobutadiene	19.1	---	5.00	ug/L	1	20.0	---	96	80-120%	---	---	
2-Hexanone	42.2	---	10.0	ug/L	1	40.0	---	106	80-120%	---	---	
Isopropylbenzene	19.8	---	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
4-Isopropyltoluene	20.1	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
Methylene chloride	20.1	---	10.0	ug/L	1	20.0	---	101	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	41.3	---	10.0	ug/L	1	40.0	---	103	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	18.4	---	1.00	ug/L	1	20.0	---	92	80-120%	---	---	
Naphthalene	19.3	---	5.00	ug/L	1	20.0	---	97	80-120%	---	---	
n-Propylbenzene	19.7	---	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
Styrene	20.8	---	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
1,1,1,2-Tetrachloroethane	20.1	---	0.400	ug/L	1	20.0	---	100	80-120%	---	---	
1,1,2,2-Tetrachloroethane	23.8	---	0.500	ug/L	1	20.0	---	119	80-120%	---	---	
Tetrachloroethene (PCE)	18.6	---	0.400	ug/L	1	20.0	---	93	80-120%	---	---	
Toluene	18.7	---	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
1,2,3-Trichlorobenzene	20.0	---	2.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,2,4-Trichlorobenzene	20.0	---	2.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,1,1-Trichloroethane	18.9	---	0.400	ug/L	1	20.0	---	95	80-120%	---	---	
1,1,2-Trichloroethane	19.4	---	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Trichloroethene (TCE)	18.1	---	0.400	ug/L	1	20.0	---	90	80-120%	---	---	
Trichlorofluoromethane	23.9	---	2.00	ug/L	1	20.0	---	120	80-120%	---	---	
1,2,3-Trichloropropane	20.4	---	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
1,2,4-Trimethylbenzene	19.9	---	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
1,3,5-Trimethylbenzene	19.5	---	1.00	ug/L	1	20.0	---	98	80-120%	---	---	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: Ontario Land Fill	
601 SW 2nd Ave Suite 1400	Project Number: 203724193	Report ID:
Portland, OR 97204	Project Manager: Carrie Rackey	A5H1220 - 09 12 25 1449

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C									Water			
LCS (25H0443-BS1)			Prepared: 08/14/25 09:04 Analyzed: 08/14/25 13:36									
Vinyl chloride	23.0	---	0.200	ug/L	1	20.0	---	115	80-120%	---	---	
m,p-Xylene	38.8	---	1.00	ug/L	1	40.0	---	97	80-120%	---	---	
o-Xylene	18.8	---	0.500	ug/L	1	20.0	---	94	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 105 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*101 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*95 %*		*80-120 %*				*"*			
Duplicate (25H0443-DUP1)			Prepared: 08/14/25 09:04 Analyzed: 08/15/25 00:04									
QC Source Sample: Non-SDG (A5H1178-03)												
Acetone	ND	---	400	ug/L	20	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	40.0	ug/L	20	---	ND	---	---	---	30%	
Benzene	**449**	---	4.00	ug/L	20	---	468	---	---	4	30%	
Bromobenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Bromoform	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Bromomethane	ND	---	100	ug/L	20	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	200	ug/L	20	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	200	ug/L	20	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Chloroethane	ND	---	100	ug/L	20	---	ND	---	---	---	30%	
Chloroform	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Chloromethane	ND	---	100	ug/L	20	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	100	ug/L	20	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Dibromomethane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C							**Water**					
Duplicate (25H0443-DUP1)			Prepared: 08/14/25 09:04 Analyzed: 08/15/25 00:04									
QC Source Sample: Non-SDG (A5H1178-03)												
1,3-Dichlorobenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Ethylbenzene	**13.6**	---	10.0	ug/L	20	---	14.4	---	---	6	30%	
Hexachlorobutadiene	ND	---	100	ug/L	20	---	ND	---	---	---	30%	
2-Hexanone	ND	---	200	ug/L	20	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Methylene chloride	ND	---	200	ug/L	20	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	200	ug/L	20	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Naphthalene	**741**	---	100	ug/L	20	---	754	---	---	2	30%	
n-Propylbenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Styrene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
Toluene	**38.0**	---	20.0	ug/L	20	---	38.6	---	---	2	30%	
1,2,3-Trichlorobenzene	ND	---	40.0	ug/L	20	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	40.0	ug/L	20	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	

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ORELAP ID: **OR100062**

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C							**Water**					
Duplicate (25H0443-DUP1)			Prepared: 08/14/25 09:04 Analyzed: 08/15/25 00:04									
QC Source Sample: Non-SDG (A5H1178-03)												
Trichloroethene (TCE)	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	40.0	ug/L	20	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	20.0	ug/L	20	---	16.0	---	---	***	30%	
1,3,5-Trimethylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	4.00	ug/L	20	---	ND	---	---	---	30%	
m,p-Xylene	**73.4**	---	20.0	ug/L	20	---	76.6	---	---	4	30%	
o-Xylene	**34.4**	---	10.0	ug/L	20	---	35.2	---	---	2	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*107 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*101 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*95 %*		*80-120 %*			*"*				
Duplicate (25H0443-DUP2)			Prepared: 08/14/25 09:04 Analyzed: 08/14/25 18:41									**CONT**
QC Source Sample: OLF-MW03 (A5H1220-04)												
EPA 8260D												
Acetone	ND	---	20.0	ug/L	1	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
Bromobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	**6.68**	---	5.00	ug/L	1	---	6.50	---	---	3	30%	Q-54

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: Ontario Land Fill	
601 SW 2nd Ave Suite 1400	Project Number: 203724193	Report ID:
Portland, OR 97204	Project Manager: Carrie Rackey	A5H1220 - 09 12 25 1449

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C							Water					
Duplicate (25H0443-DUP2)			Prepared: 08/14/25 09:04 Analyzed: 08/14/25 18:41									CONT
QC Source Sample: OLF-MW03 (A5H1220-04)												
2-Chlorotoluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	---	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Methylene chloride	ND	---	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C							**Water**					
Duplicate (25H0443-DUP2)			Prepared: 08/14/25 09:04 Analyzed: 08/14/25 18:41									**CONT**
QC Source Sample: OLF-MW03 (A5H1220-04)												
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*			*"*				
Matrix Spike (25H0443-MS1)			Prepared: 08/14/25 09:04 Analyzed: 08/14/25 22:43									
QC Source Sample: Non-SDG (A5H1178-04)												
EPA 8260D												
Acetone	191	---	100	ug/L	5	200	ND	96	39-160%	---	---	
Acrylonitrile	110	---	10.0	ug/L	5	100	ND	110	63-135%	---	---	Q-54b
Benzene	426	---	1.00	ug/L	5	100	334	92	79-120%	---	---	
Bromobenzene	101	---	2.50	ug/L	5	100	ND	101	80-120%	---	---	
Bromochloromethane	110	---	5.00	ug/L	5	100	ND	110	78-123%	---	---	
Bromodichloromethane	105	---	5.00	ug/L	5	100	ND	105	79-125%	---	---	
Bromoform	99.7	---	5.00	ug/L	5	100	ND	100	66-130%	---	---	
Bromomethane	86.4	---	25.0	ug/L	5	100	ND	86	53-141%	---	---	Q-54e
2-Butanone (MEK)	202	---	50.0	ug/L	5	200	ND	101	56-143%	---	---	
n-Butylbenzene	118	---	5.00	ug/L	5	100	ND	118	75-128%	---	---	
sec-Butylbenzene	115	---	5.00	ug/L	5	100	ND	115	77-126%	---	---	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C							**Water**					
Matrix Spike (25H0443-MS1)			Prepared: 08/14/25 09:04		Analyzed: 08/14/25 22:43							
QC Source Sample: Non-SDG (A5H1178-04)												
tert-Butylbenzene	105	---	5.00	ug/L	5	100	ND	105	78-124%	---	---	
Carbon disulfide	113	---	50.0	ug/L	5	100	ND	113	64-133%	---	---	
Carbon tetrachloride	111	---	5.00	ug/L	5	100	ND	111	72-136%	---	---	
Chlorobenzene	108	---	2.50	ug/L	5	100	ND	108	80-120%	---	---	
Chloroethane	113	---	25.0	ug/L	5	100	ND	113	60-138%	---	---	
Chloroform	106	---	5.00	ug/L	5	100	ND	106	79-124%	---	---	
Chloromethane	167	---	25.0	ug/L	5	100	ND	**167**	**50-139%**	---	---	Q-54
2-Chlorotoluene	107	---	5.00	ug/L	5	100	ND	107	79-122%	---	---	
4-Chlorotoluene	105	---	5.00	ug/L	5	100	ND	105	78-122%	---	---	
Dibromochloromethane	102	---	5.00	ug/L	5	100	ND	102	74-126%	---	---	
1,2-Dibromo-3-chloropropane	106	---	25.0	ug/L	5	100	ND	106	62-128%	---	---	
1,2-Dibromoethane (EDB)	101	---	2.50	ug/L	5	100	ND	101	77-121%	---	---	
Dibromomethane	110	---	5.00	ug/L	5	100	ND	110	79-123%	---	---	
1,2-Dichlorobenzene	106	---	2.50	ug/L	5	100	ND	106	80-120%	---	---	
1,3-Dichlorobenzene	106	---	2.50	ug/L	5	100	ND	106	80-120%	---	---	
1,4-Dichlorobenzene	105	---	2.50	ug/L	5	100	ND	105	79-120%	---	---	
Dichlorodifluoromethane	154	---	5.00	ug/L	5	100	ND	**154**	**32-152%**	---	---	Q-54d
1,1-Dichloroethane	110	---	2.00	ug/L	5	100	ND	110	77-125%	---	---	
1,2-Dichloroethane (EDC)	99.1	---	2.00	ug/L	5	100	ND	99	73-128%	---	---	
1,1-Dichloroethene	112	---	2.00	ug/L	5	100	ND	112	71-131%	---	---	
cis-1,2-Dichloroethene	110	---	2.00	ug/L	5	100	ND	110	78-123%	---	---	
trans-1,2-Dichloroethene	111	---	2.00	ug/L	5	100	ND	111	75-124%	---	---	
1,2-Dichloropropane	111	---	2.50	ug/L	5	100	ND	111	78-122%	---	---	
1,3-Dichloropropane	103	---	5.00	ug/L	5	100	ND	103	80-120%	---	---	
2,2-Dichloropropane	95.2	---	5.00	ug/L	5	100	ND	95	60-139%	---	---	
1,1-Dichloropropene	116	---	5.00	ug/L	5	100	ND	116	79-125%	---	---	
cis-1,3-Dichloropropene	96.9	---	5.00	ug/L	5	100	ND	97	75-124%	---	---	
trans-1,3-Dichloropropene	99.4	---	5.00	ug/L	5	100	ND	99	73-127%	---	---	
Ethylbenzene	122	---	2.50	ug/L	5	100	14.2	108	79-121%	---	---	
Hexachlorobutadiene	106	---	25.0	ug/L	5	100	ND	106	66-134%	---	---	
2-Hexanone	195	---	50.0	ug/L	5	200	ND	98	57-139%	---	---	
Isopropylbenzene	112	---	5.00	ug/L	5	100	ND	112	72-131%	---	---	
4-Isopropyltoluene	114	---	5.00	ug/L	5	100	ND	114	77-127%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0443 - EPA 5030C							**Water**					
Matrix Spike (25H0443-MS1)			Prepared: 08/14/25 09:04 Analyzed: 08/14/25 22:43									
QC Source Sample: Non-SDG (A5H1178-04)												
Methylene chloride	104	---	50.0	ug/L	5	100	ND	104	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	196	---	50.0	ug/L	5	200	ND	98	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	96.8	---	5.00	ug/L	5	100	ND	97	71-124%	---	---	
Naphthalene	299	---	25.0	ug/L	5	100	186	113	61-128%	---	---	
n-Propylbenzene	113	---	2.50	ug/L	5	100	ND	113	76-126%	---	---	
Styrene	112	---	5.00	ug/L	5	100	ND	112	78-123%	---	---	
1,1,1,2-Tetrachloroethane	106	---	2.00	ug/L	5	100	ND	106	78-124%	---	---	
1,1,2,2-Tetrachloroethane	125	---	2.50	ug/L	5	100	ND	**125**	**71-121%**	---	---	Q-01
Tetrachloroethene (PCE)	106	---	2.00	ug/L	5	100	ND	106	74-129%	---	---	
Toluene	106	---	5.00	ug/L	5	100	ND	106	80-121%	---	---	
1,2,3-Trichlorobenzene	112	---	10.0	ug/L	5	100	ND	112	69-129%	---	---	
1,2,4-Trichlorobenzene	111	---	10.0	ug/L	5	100	ND	111	69-130%	---	---	
1,1,1-Trichloroethane	109	---	2.00	ug/L	5	100	ND	109	74-131%	---	---	
1,1,2-Trichloroethane	102	---	2.50	ug/L	5	100	ND	102	80-120%	---	---	
Trichloroethene (TCE)	101	---	2.00	ug/L	5	100	ND	101	79-123%	---	---	
Trichlorofluoromethane	121	---	10.0	ug/L	5	100	ND	121	65-141%	---	---	
1,2,3-Trichloropropane	101	---	5.00	ug/L	5	100	ND	101	73-122%	---	---	
1,2,4-Trimethylbenzene	113	---	5.00	ug/L	5	100	2.85	110	76-124%	---	---	
1,3,5-Trimethylbenzene	110	---	5.00	ug/L	5	100	ND	110	75-124%	---	---	
Vinyl chloride	133	---	1.00	ug/L	5	100	0.700	132	58-137%	---	---	
m,p-Xylene	219	---	5.00	ug/L	5	200	4.95	107	80-121%	---	---	
o-Xylene	107	---	2.50	ug/L	5	100	3.85	103	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*			*Limits: 80-120 %*			*Dilution: 1x*			
Toluene-d8 (Surr)			*101 %*			*80-120 %*			*"*			
4-Bromofluorobenzene (Surr)			*97 %*			*80-120 %*			*"*			

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A							**Soil**					
Blank (25H0516-BLK1)			Prepared: 08/15/25 09:00 Analyzed: 08/15/25 11:50									
5035A/8260D												
Acetone	ND	---	1000	ug/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A							**Soil**					
Blank (25H0516-BLK1)			Prepared: 08/15/25 09:00 Analyzed: 08/15/25 11:50									
1,2-Dichloropropane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 100 %* *Limits: 80-120 %* *Dilution: 1x*

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A												**Soil**
Blank (25H0516-BLK1)				Prepared: 08/15/25 09:00 Analyzed: 08/15/25 11:50								
Surr: Toluene-d8 (Surr)			*Recovery: 96 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*102 %*	*79-120 %*				*"*				
LCS (25H0516-BS1)				Prepared: 08/15/25 09:00 Analyzed: 08/15/25 10:56								
5035A/8260D												
Acetone	1530	---	1000	ug/kg wet	50	2000	---	**77**	**80-120%**	---	---	Q-55
Acrylonitrile	920	---	100	ug/kg wet	50	1000	---	92	80-120%	---	---	
Benzene	1000	---	10.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Bromobenzene	1120	---	25.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
Bromochloromethane	870	---	50.0	ug/kg wet	50	1000	---	87	80-120%	---	---	
Bromodichloromethane	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Bromoform	1040	---	100	ug/kg wet	50	1000	---	104	80-120%	---	---	
Bromomethane	1450	---	500	ug/kg wet	50	1000	---	**145**	**80-120%**	---	---	ICV-01, Q-56
2-Butanone (MEK)	1820	---	500	ug/kg wet	50	2000	---	91	80-120%	---	---	
n-Butylbenzene	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
sec-Butylbenzene	1150	---	50.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
tert-Butylbenzene	1070	---	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Carbon disulfide	1060	---	500	ug/kg wet	50	1000	---	106	80-120%	---	---	
Carbon tetrachloride	1090	---	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
Chlorobenzene	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Chloroethane	818	---	500	ug/kg wet	50	1000	---	82	80-120%	---	---	
Chloroform	996	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Chloromethane	662	---	250	ug/kg wet	50	1000	---	**66**	**80-120%**	---	---	Q-55
2-Chlorotoluene	1090	---	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
4-Chlorotoluene	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Dibromochloromethane	982	---	100	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,2-Dibromo-3-chloropropane	1000	---	250	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,2-Dibromoethane (EDB)	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Dibromomethane	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,2-Dichlorobenzene	1070	---	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
1,3-Dichlorobenzene	1130	---	25.0	ug/kg wet	50	1000	---	113	80-120%	---	---	
1,4-Dichlorobenzene	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Dichlorodifluoromethane	887	---	100	ug/kg wet	50	1000	---	89	80-120%	---	---	
1,1-Dichloroethane	971	---	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A							**Soil**					
LCS (25H0516-BS1)			Prepared: 08/15/25 09:00 Analyzed: 08/15/25 10:56									
1,2-Dichloroethane (EDC)	894	---	25.0	ug/kg wet	50	1000	---	89	80-120%	---	---	
1,1-Dichloroethene	996	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
cis-1,2-Dichloroethene	994	---	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
trans-1,2-Dichloroethene	998	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,2-Dichloropropane	960	---	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,3-Dichloropropane	960	---	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
2,2-Dichloropropane	1250	---	50.0	ug/kg wet	50	1000	---	**125**	**80-120%**	---	---	Q-56
1,1-Dichloropropene	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
cis-1,3-Dichloropropene	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
trans-1,3-Dichloropropene	1000	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Ethylbenzene	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Hexachlorobutadiene	1080	---	100	ug/kg wet	50	1000	---	108	80-120%	---	---	
2-Hexanone	1570	---	500	ug/kg wet	50	2000	---	**78**	**80-120%**	---	---	Q-55
Isopropylbenzene	1130	---	50.0	ug/kg wet	50	1000	---	113	80-120%	---	---	
4-Isopropyltoluene	1160	---	50.0	ug/kg wet	50	1000	---	116	80-120%	---	---	
Methylene chloride	1020	---	500	ug/kg wet	50	1000	---	102	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1730	---	500	ug/kg wet	50	2000	---	87	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Naphthalene	935	---	100	ug/kg wet	50	1000	---	94	80-120%	---	---	
n-Propylbenzene	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Styrene	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1110	---	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Tetrachloroethene (PCE)	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Toluene	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,2,3-Trichlorobenzene	1100	---	250	ug/kg wet	50	1000	---	110	80-120%	---	---	
1,2,4-Trichlorobenzene	1090	---	250	ug/kg wet	50	1000	---	109	80-120%	---	---	
1,1,1-Trichloroethane	1020	---	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,1,2-Trichloroethane	972	---	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Trichloroethene (TCE)	1070	---	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Trichlorofluoromethane	784	---	250	ug/kg wet	50	1000	---	**78**	**80-120%**	---	---	Q-55
1,2,3-Trichloropropane	990	---	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
1,2,4-Trimethylbenzene	1140	---	50.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
1,3,5-Trimethylbenzene	1160	---	50.0	ug/kg wet	50	1000	---	116	80-120%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A							Soil					
LCS (25H0516-BS1)			Prepared: 08/15/25 09:00 Analyzed: 08/15/25 10:56									
Vinyl chloride	896	---	25.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
m,p-Xylene	2190	---	50.0	ug/kg wet	50	2000	---	110	80-120%	---	---	
o-Xylene	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*105 %*		*79-120 %*			*"*				
Duplicate (25H0516-DUP1)			Prepared: 08/14/25 10:00 Analyzed: 08/15/25 14:07									
QC Source Sample: Non-SDG (A5H1245-01)												
Acetone	ND	---	1810	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	181	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	18.1	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	---	181	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	---	905	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	905	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	905	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	---	905	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	---	452	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	181	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	452	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A							**Soil**					
Duplicate (25H0516-DUP1)			Prepared: 08/14/25 10:00 Analyzed: 08/15/25 14:07									
QC Source Sample: Non-SDG (A5H1245-01)												
1,3-Dichlorobenzene	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	181	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	181	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	905	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	---	905	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	905	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	181	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	452	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	452	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A							**Soil**					
Duplicate (25H0516-DUP1)			Prepared: 08/14/25 10:00 Analyzed: 08/15/25 14:07									
QC Source Sample: Non-SDG (A5H1245-01)												
Trichloroethene (TCE)	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	452	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	90.5	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	---	45.2	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*96 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*101 %*		*79-120 %*		*"*					
Duplicate (25H0516-DUP2)			Prepared: 08/13/25 12:21 Analyzed: 08/15/25 20:29									
QC Source Sample: Non-SDG (A5H1196-01)												
Acetone	ND	---	2530	ug/kg dry	100	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	253	ug/kg dry	100	---	ND	---	---	---	30%	
Benzene	ND	---	25.3	ug/kg dry	100	---	ND	---	---	---	30%	
Bromobenzene	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
Bromoform	ND	---	253	ug/kg dry	100	---	ND	---	---	---	30%	
Bromomethane	ND	---	1260	ug/kg dry	100	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	1260	ug/kg dry	100	---	ND	---	---	---	30%	
n-Butylbenzene	**1650**	---	126	ug/kg dry	100	---	1710	---	---	4	30%	M-02
sec-Butylbenzene	**942**	---	126	ug/kg dry	100	---	898	---	---	5	30%	
tert-Butylbenzene	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	1260	ug/kg dry	100	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
Chloroethane	ND	---	1260	ug/kg dry	100	---	ND	---	---	---	30%	
Chloroform	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
Chloromethane	ND	---	631	ug/kg dry	100	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A							**Soil**					
Duplicate (25H0516-DUP2)			Prepared: 08/13/25 12:21 Analyzed: 08/15/25 20:29									
QC Source Sample: Non-SDG (A5H1196-01)												
4-Chlorotoluene	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	253	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	631	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
Dibromomethane	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	253	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
Ethylbenzene	**395**	---	63.1	ug/kg dry	100	---	371	---	---	6	30%	
Hexachlorobutadiene	ND	---	253	ug/kg dry	100	---	ND	---	---	---	30%	
2-Hexanone	ND	---	1260	ug/kg dry	100	---	ND	---	---	---	30%	
Isopropylbenzene	**346**	---	126	ug/kg dry	100	---	325	---	---	6	30%	
4-Isopropyltoluene	**832**	---	126	ug/kg dry	100	---	794	---	---	5	30%	M-02
Methylene chloride	ND	---	1260	ug/kg dry	100	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	1260	ug/kg dry	100	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
Naphthalene	**1180**	---	253	ug/kg dry	100	---	1160	---	---	1	30%	M-04
n-Propylbenzene	**976**	---	63.1	ug/kg dry	100	---	927	---	---	5	30%	
Styrene	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A							**Soil**					
Duplicate (25H0516-DUP2)			Prepared: 08/13/25 12:21 Analyzed: 08/15/25 20:29									
QC Source Sample: Non-SDG (A5H1196-01)												
Tetrachloroethene (PCE)	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
Toluene	ND	---	126	ug/kg dry	100	---	98.5	---	---	***	30%	
1,2,3-Trichlorobenzene	ND	---	631	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	631	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	631	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	126	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**8330**	---	126	ug/kg dry	100	---	7960	---	---	5	30%	
1,3,5-Trimethylbenzene	**2340**	---	126	ug/kg dry	100	---	2210	---	---	5	30%	
Vinyl chloride	ND	---	63.1	ug/kg dry	100	---	ND	---	---	---	30%	
m,p-Xylene	**2460**	---	126	ug/kg dry	100	---	2250	---	---	9	30%	
o-Xylene	**1480**	---	63.1	ug/kg dry	100	---	1400	---	---	6	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*103 %*		*79-120 %*			*"*				
Matrix Spike (25H0516-MS1)			Prepared: 08/13/25 12:30 Analyzed: 08/15/25 19:07									
QC Source Sample: OLF-COMP-dup (A5H1220-09)												
Acetone	3630	---	1490	ug/kg dry	50	2990	ND	121	36-164%	---	---	Q-54h
Acrylonitrile	1450	---	149	ug/kg dry	50	1490	ND	97	65-134%	---	---	
Benzene	1590	---	14.9	ug/kg dry	50	1490	ND	106	77-121%	---	---	
Bromobenzene	1620	---	37.2	ug/kg dry	50	1490	ND	109	78-121%	---	---	
Bromochloromethane	1460	---	74.5	ug/kg dry	50	1490	ND	98	78-125%	---	---	
Bromodichloromethane	1600	---	74.5	ug/kg dry	50	1490	ND	107	75-127%	---	---	
Bromoform	1590	---	149	ug/kg dry	50	1490	ND	107	67-132%	---	---	
Bromomethane	2220	---	745	ug/kg dry	50	1490	ND	**149**	**53-143%**	---	---	ICV-01, Q-54a
2-Butanone (MEK)	2930	---	745	ug/kg dry	50	2990	ND	98	51-148%	---	---	
n-Butylbenzene	1680	---	74.5	ug/kg dry	50	1490	ND	112	70-128%	---	---	
sec-Butylbenzene	1750	---	74.5	ug/kg dry	50	1490	ND	117	73-126%	---	---	
tert-Butylbenzene	1630	---	74.5	ug/kg dry	50	1490	ND	109	73-125%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A							**Soil**					
Matrix Spike (25H0516-MS1)			Prepared: 08/13/25 12:30 Analyzed: 08/15/25 19:07									
QC Source Sample: OLF-COMP-dup (A5H1220-09)												
Carbon disulfide	1720	---	745	ug/kg dry	50	1490	ND	115	63-132%	---	---	
Carbon tetrachloride	1800	---	74.5	ug/kg dry	50	1490	ND	121	70-135%	---	---	
Chlorobenzene	1670	---	37.2	ug/kg dry	50	1490	ND	112	79-120%	---	---	
Chloroethane	1620	---	745	ug/kg dry	50	1490	ND	108	59-139%	---	---	
Chloroform	1600	---	74.5	ug/kg dry	50	1490	ND	107	78-123%	---	---	
Chloromethane	1200	---	372	ug/kg dry	50	1490	ND	80	50-136%	---	---	Q-54f
2-Chlorotoluene	1630	---	74.5	ug/kg dry	50	1490	ND	109	75-122%	---	---	
4-Chlorotoluene	1610	---	74.5	ug/kg dry	50	1490	ND	108	72-124%	---	---	
Dibromochloromethane	1500	---	149	ug/kg dry	50	1490	ND	101	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1500	---	372	ug/kg dry	50	1490	ND	101	61-132%	---	---	
1,2-Dibromoethane (EDB)	1550	---	74.5	ug/kg dry	50	1490	ND	104	78-122%	---	---	
Dibromomethane	1610	---	74.5	ug/kg dry	50	1490	ND	108	78-125%	---	---	
1,2-Dichlorobenzene	1600	---	37.2	ug/kg dry	50	1490	ND	107	78-121%	---	---	
1,3-Dichlorobenzene	1690	---	37.2	ug/kg dry	50	1490	ND	113	77-121%	---	---	
1,4-Dichlorobenzene	1590	---	37.2	ug/kg dry	50	1490	ND	106	75-120%	---	---	
Dichlorodifluoromethane	1560	---	149	ug/kg dry	50	1490	ND	105	29-149%	---	---	
1,1-Dichloroethane	1590	---	37.2	ug/kg dry	50	1490	ND	107	76-125%	---	---	
1,2-Dichloroethane (EDC)	1480	---	37.2	ug/kg dry	50	1490	ND	99	73-128%	---	---	
1,1-Dichloroethene	1670	---	37.2	ug/kg dry	50	1490	ND	112	70-131%	---	---	
cis-1,2-Dichloroethene	1560	---	37.2	ug/kg dry	50	1490	ND	105	77-123%	---	---	
trans-1,2-Dichloroethene	1600	---	37.2	ug/kg dry	50	1490	ND	107	74-125%	---	---	
1,2-Dichloropropane	1520	---	37.2	ug/kg dry	50	1490	ND	102	76-123%	---	---	
1,3-Dichloropropane	1500	---	74.5	ug/kg dry	50	1490	ND	100	77-121%	---	---	
2,2-Dichloropropane	1850	---	74.5	ug/kg dry	50	1490	ND	124	67-133%	---	---	Q-54c
1,1-Dichloropropene	1630	---	74.5	ug/kg dry	50	1490	ND	109	76-125%	---	---	
cis-1,3-Dichloropropene	1610	---	74.5	ug/kg dry	50	1490	ND	108	74-126%	---	---	
trans-1,3-Dichloropropene	1500	---	74.5	ug/kg dry	50	1490	ND	101	71-130%	---	---	
Ethylbenzene	1690	---	37.2	ug/kg dry	50	1490	25.3	112	76-122%	---	---	
Hexachlorobutadiene	1690	---	149	ug/kg dry	50	1490	ND	113	61-135%	---	---	
2-Hexanone	2500	---	745	ug/kg dry	50	2990	ND	84	53-145%	---	---	Q-54g
Isopropylbenzene	1760	---	74.5	ug/kg dry	50	1490	ND	118	68-134%	---	---	
4-Isopropyltoluene	1710	---	74.5	ug/kg dry	50	1490	ND	115	73-127%	---	---	
Methylene chloride	1570	---	745	ug/kg dry	50	1490	ND	105	70-128%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0516 - EPA 5035A							**Soil**					
Matrix Spike (25H0516-MS1)			Prepared: 08/13/25 12:30 Analyzed: 08/15/25 19:07									
QC Source Sample: OLF-COMP-dup (A5H1220-09)												
4-Methyl-2-pentanone (MiBK)	2740	---	745	ug/kg dry	50	2990	ND	92	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1580	---	74.5	ug/kg dry	50	1490	ND	106	73-125%	---	---	
Naphthalene	1370	---	149	ug/kg dry	50	1490	ND	92	62-129%	---	---	
n-Propylbenzene	1660	---	37.2	ug/kg dry	50	1490	ND	111	73-125%	---	---	
Styrene	1630	---	74.5	ug/kg dry	50	1490	ND	109	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1740	---	37.2	ug/kg dry	50	1490	ND	117	78-125%	---	---	
1,1,2,2-Tetrachloroethane	1550	---	74.5	ug/kg dry	50	1490	ND	104	70-124%	---	---	
Tetrachloroethene (PCE)	1670	---	37.2	ug/kg dry	50	1490	ND	112	73-128%	---	---	
Toluene	1690	---	74.5	ug/kg dry	50	1490	88.7	107	77-121%	---	---	
1,2,3-Trichlorobenzene	1620	---	372	ug/kg dry	50	1490	ND	108	66-130%	---	---	
1,2,4-Trichlorobenzene	1590	---	372	ug/kg dry	50	1490	ND	106	67-129%	---	---	
1,1,1-Trichloroethane	1670	---	37.2	ug/kg dry	50	1490	ND	112	73-130%	---	---	
1,1,2-Trichloroethane	1500	---	37.2	ug/kg dry	50	1490	ND	101	78-121%	---	---	
Trichloroethene (TCE)	1650	---	37.2	ug/kg dry	50	1490	ND	111	77-123%	---	---	
Trichlorofluoromethane	1650	---	372	ug/kg dry	50	1490	ND	111	62-140%	---	---	Q-54g
1,2,3-Trichloropropane	1530	---	74.5	ug/kg dry	50	1490	ND	102	73-125%	---	---	
1,2,4-Trimethylbenzene	1790	---	74.5	ug/kg dry	50	1490	68.5	115	75-123%	---	---	
1,3,5-Trimethylbenzene	1730	---	74.5	ug/kg dry	50	1490	ND	116	73-124%	---	---	
Vinyl chloride	1600	---	37.2	ug/kg dry	50	1490	ND	107	56-135%	---	---	
m,p-Xylene	3620	---	74.5	ug/kg dry	50	2990	98.3	118	77-124%	---	---	
o-Xylene	1680	---	37.2	ug/kg dry	50	1490	33.5	110	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*96 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*98 %*		*79-120 %*				*"*			

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0566 - EPA 5030C												**Water**
Blank (25H0566-BLK1)			Prepared: 08/18/25 07:31 Analyzed: 08/18/25 14:26									
EPA 8260D												
Chloromethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 104 %*	*Limits: 80-120 %*		*Dilution: 1x*							
Toluene-d8 (Surr)		*103 %*	*80-120 %*		*"*							
4-Bromofluorobenzene (Surr)		*98 %*	*80-120 %*		*"*							
LCS (25H0566-BS1)			Prepared: 08/18/25 07:31 Analyzed: 08/18/25 13:33									
EPA 8260D												
Chloromethane	18.9	---	5.00	ug/L	1	20.0	---	95	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 99 %*	*Limits: 80-120 %*		*Dilution: 1x*							
Toluene-d8 (Surr)		*102 %*	*80-120 %*		*"*							
4-Bromofluorobenzene (Surr)		*96 %*	*80-120 %*		*"*							
Duplicate (25H0566-DUP1)			Prepared: 08/18/25 07:31 Analyzed: 08/18/25 20:32									
QC Source Sample: Non-SDG (A5H1244-01)												
Chloromethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 98 %*	*Limits: 80-120 %*		*Dilution: 1x*							
Toluene-d8 (Surr)		*99 %*	*80-120 %*		*"*							
4-Bromofluorobenzene (Surr)		*100 %*	*80-120 %*		*"*							
Matrix Spike (25H0566-MS1)			Prepared: 08/18/25 07:31 Analyzed: 08/18/25 17:22									
QC Source Sample: Non-SDG (A5H1303-01)												
EPA 8260D												
Chloromethane	22.4	---	5.00	ug/L	1	20.0	ND	112	50-139%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 101 %*	*Limits: 80-120 %*		*Dilution: 1x*							
Toluene-d8 (Surr)		*101 %*	*80-120 %*		*"*							
4-Bromofluorobenzene (Surr)		*94 %*	*80-120 %*		*"*							

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Philip Nerenberg

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: Ontario Land Fill	
601 SW 2nd Ave Suite 1400	Project Number: 203724193	Report ID:
Portland, OR 97204	Project Manager: Carrie Rackey	A5H1220 - 09 12 25 1449

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0863 - EPA 3051A							Soil					
Blank (25H0863-BLK1)			Prepared: 08/25/25 12:52 Analyzed: 08/25/25 18:40									
EPA 6020B												
Arsenic	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Barium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
Chromium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Lead	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
Mercury	ND	---	0.0800	mg/kg wet	10	---	---	---	---	---	---	
Selenium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Silver	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
LCS (25H0863-BS1)			Prepared: 08/25/25 12:52 Analyzed: 08/25/25 19:02									
EPA 6020B												
Arsenic	51.3	---	1.00	mg/kg wet	10	50.0	---	103	80-120%	---	---	
Barium	50.1	---	1.00	mg/kg wet	10	50.0	---	100	80-120%	---	---	
Cadmium	52.5	---	0.200	mg/kg wet	10	50.0	---	105	80-120%	---	---	
Chromium	51.2	---	1.00	mg/kg wet	10	50.0	---	102	80-120%	---	---	
Lead	54.0	---	0.200	mg/kg wet	10	50.0	---	108	80-120%	---	---	
Mercury	1.05	---	0.0800	mg/kg wet	10	1.00	---	105	80-120%	---	---	
Selenium	24.9	---	1.00	mg/kg wet	10	25.0	---	100	80-120%	---	---	
Silver	26.0	---	0.200	mg/kg wet	10	25.0	---	104	80-120%	---	---	
Duplicate (25H0863-DUP1)			Prepared: 08/25/25 12:52 Analyzed: 08/25/25 20:08									
QC Source Sample: Non-SDG (A5H1345-02)												
Arsenic	**6.74**	---	1.04	mg/kg dry	10	---	6.50	---	---	4	20%	PRO
Barium	**179**	---	1.04	mg/kg dry	10	---	176	---	---	2	20%	PRO
Cadmium	ND	---	0.208	mg/kg dry	10	---	0.107	---	---	***	**20%**	PRO
Chromium	**24.8**	---	1.04	mg/kg dry	10	---	22.8	---	---	8	20%	PRO
Lead	**11.6**	---	0.208	mg/kg dry	10	---	11.8	---	---	2	20%	PRO
Mercury	ND	---	0.0832	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Selenium	ND	---	1.04	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Silver	ND	---	0.208	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Matrix Spike (25H0863-MS1)			Prepared: 08/25/25 12:52 Analyzed: 08/25/25 20:14									

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0863 - EPA 3051A							**Soil**					
Matrix Spike (25H0863-MS1)			Prepared: 08/25/25 12:52 Analyzed: 08/25/25 20:14									
QC Source Sample: Non-SDG (A5H1345-02)												
EPA 6020B												
Arsenic	57.9	---	1.02	mg/kg dry	10	51.2	6.50	100	75-125%	---	---	PRO
Barium	235	---	1.02	mg/kg dry	10	51.2	176	117	75-125%	---	---	PRO
Cadmium	53.9	---	0.205	mg/kg dry	10	51.2	0.107	105	75-125%	---	---	PRO
Chromium	75.2	---	1.02	mg/kg dry	10	51.2	22.8	102	75-125%	---	---	PRO
Lead	63.9	---	0.205	mg/kg dry	10	51.2	11.8	102	75-125%	---	---	PRO
Mercury	1.10	---	0.0819	mg/kg dry	10	1.02	ND	107	75-125%	---	---	PRO
Selenium	25.7	---	1.02	mg/kg dry	10	25.6	ND	100	75-125%	---	---	PRO
Silver	26.8	---	0.205	mg/kg dry	10	25.6	ND	105	75-125%	---	---	PRO

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0894 - EPA 3015A							**Water**					
Blank (25H0894-BLK1)			Prepared: 08/26/25 08:58		Analyzed: 08/27/25 17:17							
EPA 6020B												
Arsenic	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Barium	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Chromium	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Mercury	ND	---	0.0800	ug/L	1	---	---	---	---	---	---	
Selenium	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Silver	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25H0894-BS1)			Prepared: 08/26/25 08:58		Analyzed: 08/27/25 17:28							
EPA 6020B												
Arsenic	54.8	---	1.00	ug/L	1	55.6	---	99	80-120%	---	---	
Barium	56.6	---	2.00	ug/L	1	55.6	---	102	80-120%	---	---	
Cadmium	56.8	---	0.200	ug/L	1	55.6	---	102	80-120%	---	---	
Chromium	55.3	---	2.00	ug/L	1	55.6	---	100	80-120%	---	---	
Lead	56.6	---	0.200	ug/L	1	55.6	---	102	80-120%	---	---	
Mercury	1.07	---	0.0800	ug/L	1	1.11	---	97	80-120%	---	---	
Selenium	27.2	---	1.00	ug/L	1	27.8	---	98	80-120%	---	---	
Silver	27.7	---	0.200	ug/L	1	27.8	---	100	80-120%	---	---	
Matrix Spike (25H0894-MS1)			Prepared: 08/26/25 08:58		Analyzed: 08/27/25 19:53							
QC Source Sample: Non-SDG (A5H1404-01)												
EPA 6020B												
Arsenic	76.6	---	1.00	ug/L	1	55.6	20.1	102	75-125%	---	---	
Barium	310	---	2.00	ug/L	1	55.6	255	99	75-125%	---	---	
Cadmium	58.4	---	0.200	ug/L	1	55.6	ND	105	75-125%	---	---	
Chromium	55.3	---	2.00	ug/L	1	55.6	ND	100	75-125%	---	---	
Lead	55.0	---	0.200	ug/L	1	55.6	ND	99	75-125%	---	---	
Mercury	1.06	---	0.0800	ug/L	1	1.11	ND	96	75-125%	---	---	
Selenium	28.2	---	1.00	ug/L	1	27.8	ND	102	75-125%	---	---	
Silver	27.6	---	0.200	ug/L	1	27.8	ND	99	75-125%	---	---	
Matrix Spike Dup (25H0894-MSD1)			Prepared: 08/26/25 08:58		Analyzed: 08/27/25 19:59							

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0894 - EPA 3015A							**Water**					
Matrix Spike Dup (25H0894-MSD1)			Prepared: 08/26/25 08:58 Analyzed: 08/27/25 19:59									
QC Source Sample: Non-SDG (A5H1404-01)												
Arsenic	75.4	---	1.00	ug/L	1	55.6	20.1	100	75-125%	2	20%	
Barium	315	---	2.00	ug/L	1	55.6	255	107	75-125%	1	20%	
Cadmium	57.6	---	0.200	ug/L	1	55.6	ND	104	75-125%	1	20%	
Chromium	54.7	---	2.00	ug/L	1	55.6	ND	98	75-125%	1	20%	
Lead	55.3	---	0.200	ug/L	1	55.6	ND	100	75-125%	0.5	20%	
Mercury	1.10	---	0.0800	ug/L	1	1.11	ND	99	75-125%	3	20%	
Selenium	28.1	---	1.00	ug/L	1	27.8	ND	101	75-125%	0.5	20%	
Silver	27.1	---	0.200	ug/L	1	27.8	ND	98	75-125%	2	20%	

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Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25I0122 - EPA 3015A												**Water**
Blank (25I0122-BLK1)			Prepared: 09/04/25 09:53		Analyzed: 09/04/25 21:16							
EPA 6020B												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25I0122-BS1)			Prepared: 09/04/25 09:53		Analyzed: 09/04/25 21:22							
EPA 6020B												
Lead	53.8	---	0.200	ug/L	1	55.6	---	97	80-120%	---	---	
Duplicate (25I0122-DUP1)			Prepared: 09/04/25 09:53		Analyzed: 09/04/25 22:35							
QC Source Sample: Non-SDG (A5H1546-01)												
Lead	**5.26**	---	0.200	ug/L	1	---	5.03	---	---	4	20%	
Matrix Spike (25I0122-MS1)			Prepared: 09/04/25 09:53		Analyzed: 09/04/25 22:41							
QC Source Sample: Non-SDG (A5H1546-01)												
EPA 6020B												
Lead	58.5	---	0.200	ug/L	1	55.6	5.03	96	75-125%	---	---	

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Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25H0584 - Dry Weight Prep (EPA 8000D)							**Soil**					
Duplicate (25H0584-DUP1)			Prepared: 08/18/25 10:14		Analyzed: 08/19/25 05:15							
QC Source Sample: Non-SDG (A5H1146-01)												
% Solids	**96.8**	---	1.00	%	1	---	96.8	---	---	0.08	10%	
Duplicate (25H0584-DUP2)			Prepared: 08/18/25 10:14		Analyzed: 08/19/25 05:15							
QC Source Sample: Non-SDG (A5H1219-01)												
% Solids	**88.3**	---	1.00	%	1	---	89.2	---	---	1	10%	
Duplicate (25H0584-DUP3)			Prepared: 08/18/25 10:14		Analyzed: 08/19/25 05:15							
QC Source Sample: Non-SDG (A5H1248-01)												
% Solids	**92.7**	---	1.00	%	1	---	92.8	---	---	0.2	10%	
Duplicate (25H0584-DUP4)			Prepared: 08/18/25 19:10		Analyzed: 08/19/25 05:15							
QC Source Sample: Non-SDG (A5H1320-01)												
% Solids	**83.6**	---	1.00	%	1	---	82.7	---	---	1	10%	
Duplicate (25H0584-DUP5)			Prepared: 08/18/25 19:36		Analyzed: 08/19/25 05:15							
QC Source Sample: Non-SDG (A5H1332-02)												
% Solids	**79.3**	---	1.00	%	1	---	78.2	---	---	1	10%	
Duplicate (25H0584-DUP6)			Prepared: 08/18/25 19:36		Analyzed: 08/19/25 05:15							
QC Source Sample: Non-SDG (A5H1331-01)												
% Solids	**70.8**	---	1.00	%	1	---	71.6	---	---	1	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	
Portland, OR 97204	Project Manager: **Carrie Rackey**	**Report ID:** **A5H1220 - 09 12 25 1449**

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25H0568							
A5H1220-01	Water	NWTPH-Dx	08/12/25 09:15	08/18/25 11:34	860mL/5mL	1000mL/5mL	1.16
A5H1220-02	Water	NWTPH-Dx	08/12/25 09:30	08/18/25 11:34	890mL/5mL	1000mL/5mL	1.12
A5H1220-03	Water	NWTPH-Dx	08/12/25 10:45	08/18/25 11:34	940mL/5mL	1000mL/5mL	1.06
A5H1220-04	Water	NWTPH-Dx	08/12/25 12:00	08/18/25 11:34	910mL/5mL	1000mL/5mL	1.10
A5H1220-05	Water	NWTPH-Dx	08/12/25 13:45	08/18/25 11:34	940mL/5mL	1000mL/5mL	1.06
A5H1220-07	Water	NWTPH-Dx	08/12/25 14:00	08/18/25 11:34	1000mL/5mL	1000mL/5mL	1.00

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25H0565							
A5H1220-08	Soil	NWTPH-Dx	08/13/25 12:15	08/18/25 06:39	11.21g/5mL	10g/5mL	0.89
A5H1220-09	Soil	NWTPH-Dx	08/13/25 12:30	08/18/25 06:39	11.28g/5mL	10g/5mL	0.89

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25H0443							
A5H1220-01	Water	NWTPH-Gx (MS)	08/12/25 09:15	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
A5H1220-02	Water	NWTPH-Gx (MS)	08/12/25 09:30	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
A5H1220-03	Water	NWTPH-Gx (MS)	08/12/25 10:45	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
A5H1220-04	Water	NWTPH-Gx (MS)	08/12/25 12:00	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
A5H1220-05	Water	NWTPH-Gx (MS)	08/12/25 13:45	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
A5H1220-07	Water	NWTPH-Gx (MS)	08/12/25 14:00	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25H0516							
A5H1220-08	Soil	NWTPH-Gx (MS)	08/13/25 12:15	08/13/25 12:15	3.78g/5mL	5g/5mL	1.32
A5H1220-09	Soil	NWTPH-Gx (MS)	08/13/25 12:30	08/13/25 12:30	3.44g/5mL	5g/5mL	1.45

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25H0443							

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ANALYTICAL REPORT

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601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

SAMPLE PREPARATION INFORMATION

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A5H1220-01	Water	EPA 8260D	08/12/25 09:15	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
A5H1220-02	Water	EPA 8260D	08/12/25 09:30	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
A5H1220-03	Water	EPA 8260D	08/12/25 10:45	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
A5H1220-04	Water	EPA 8260D	08/12/25 12:00	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
A5H1220-05	Water	EPA 8260D	08/12/25 13:45	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
A5H1220-06	Water	EPA 8260D	08/12/25 00:00	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
A5H1220-07	Water	EPA 8260D	08/12/25 14:00	08/14/25 12:35	5mL/5mL	5mL/5mL	1.00
Batch: 25H0566							
A5H1220-01RE1	Water	EPA 8260D	08/12/25 09:15	08/18/25 14:20	5mL/5mL	5mL/5mL	1.00
A5H1220-02RE1	Water	EPA 8260D	08/12/25 09:30	08/18/25 14:20	5mL/5mL	5mL/5mL	1.00
A5H1220-03RE1	Water	EPA 8260D	08/12/25 10:45	08/18/25 14:20	5mL/5mL	5mL/5mL	1.00
A5H1220-04RE1	Water	EPA 8260D	08/12/25 12:00	08/18/25 14:20	5mL/5mL	5mL/5mL	1.00

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25H0516							
A5H1220-08	Soil	5035A/8260D	08/13/25 12:15	08/13/25 12:15	3.78g/5mL	5g/5mL	1.32
A5H1220-09	Soil	5035A/8260D	08/13/25 12:30	08/13/25 12:30	3.44g/5mL	5g/5mL	1.45

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25H0894							
A5H1220-01	Water	EPA 6020B	08/12/25 09:15	08/26/25 08:58	45mL/50mL	45mL/50mL	1.00
A5H1220-02	Water	EPA 6020B	08/12/25 09:30	08/26/25 08:58	45mL/50mL	45mL/50mL	1.00
A5H1220-03	Water	EPA 6020B	08/12/25 10:45	08/26/25 08:58	45mL/50mL	45mL/50mL	1.00
A5H1220-04	Water	EPA 6020B	08/12/25 12:00	08/26/25 08:58	45mL/50mL	45mL/50mL	1.00
A5H1220-05	Water	EPA 6020B	08/12/25 13:45	08/26/25 08:58	45mL/50mL	45mL/50mL	1.00
A5H1220-07	Water	EPA 6020B	08/12/25 14:00	08/26/25 08:58	45mL/50mL	45mL/50mL	1.00
Batch: 25I0122							
A5H1220-07RE3	Water	EPA 6020B	08/12/25 14:00	09/04/25 09:53	45mL/50mL	45mL/50mL	1.00

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25H0863							

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ANALYTICAL REPORT

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Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A5H1220-08	Soil	EPA 6020B	08/13/25 12:15	08/25/25 12:52	0.488g/50mL	0.5g/50mL	1.02
A5H1220-09	Soil	EPA 6020B	08/13/25 12:30	08/25/25 12:52	0.465g/50mL	0.5g/50mL	1.08

Percent Dry Weight

Prep: Dry Weight Prep (EPA 8000D)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 25H0584							
A5H1220-08	Soil	EPA 8000D	08/13/25 12:15	08/18/25 10:14	1g	1g	1.00
A5H1220-09	Soil	EPA 8000D	08/13/25 12:30	08/18/25 10:14	1g	1g	1.00

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Philip Nerenberg

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Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

CONT	The Sample Container provided for this analysis was not provided by Apex Laboratories, and has not been verified as part of the Apex Quality System.
ICV-01	Estimated Result. Initial Calibration Verification (ICV) failed high. There is no effect on non-detect results.
M-02	Due to matrix interference, this analyte cannot be accurately quantified. The reported result is estimated.
M-04	Due to matrix interference, this analyte cannot be accurately quantified. The reported result may contain a high bias.
PRO	Sample has undergone sample processing prior to extraction and analysis.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in the associated EPA method by +16%. The results are reported as Estimated Values.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in the associated EPA method by +25%. The results are reported as Estimated Values.
Q-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in the associated EPA method by +4%. The results are reported as Estimated Values.
Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in the associated EPA method by +5%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in the associated EPA method by +6%. The results are reported as Estimated Values.
Q-54e	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in the associated EPA method by -12%. The results are reported as Estimated Values.
Q-54f	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in the associated EPA method by -14%. The results are reported as Estimated Values.
Q-54g	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in the associated EPA method by -2%. The results are reported as Estimated Values.
Q-54h	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in the associated EPA method by -3%. The results are reported as Estimated Values.
Q-55	Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA method 8260, however there is adequate sensitivity to ensure detection at the reporting level.
Q-56	Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260. Samples that are ND (Non-Detect) are not impacted.
V-01	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Validated Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting and Detection Limits: Default Limits

Default Reporting and Detection Limits are based on 100% dry weight with the minimum dilution for the analysis. Reporting and Detection Limits are raised due to moisture content, additional dilutions required for analysis, matrix interferences and in other cases, as necessary.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

Results for Volatiles analyses on soils and sediments that are reported on a “dry weight” basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an “As Received” basis do not have the WMS correction applied, as dry weight was not performed.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Apex Laboratories

Philip Nerenberg, Lab Director

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601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to one half of the Reporting Limit (RL).
Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.
-Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.
'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level, if results are not reported to the MDL.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Stantec Portland	Project:	**Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number:	**203724193**	**Report ID:**
Portland, OR 97204	Project Manager:	**Carrie Rackey**	**A5H1220 - 09 12 25 1449**

Decanted Samples:

Soils/Sediments:
Unless TCLP analysis is required or there is notification otherwise for a specific project, all Soil and Sediments containing excess water are decanted prior to analysis in order to provide the most representative sample for analysis.

Water Samples:
Water samples containing solids and sediment may need to be decanted in order to eliminate these particulates from the water extractions. In the case of organics extractions, a solvent rinse of the container will not be performed.

Volatiles Soils (5035s)
Samples that are field preserved by 5035 for volatiles are dry weight corrected using the same dry weight corretion as for normal analyses. In the case of decanted samples, the dry weight may be performed on a decanted sample, while the aliquot for 5035 may not have been treated the same way. If this is a concern, please submit separate containers for dry weight analysis for volatiles can be provided.

All samples decanted in the laboratory are noted in this report with the DCNT qualifier indicating the sample was decanted.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **Ontario Land Fill**	
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) - EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

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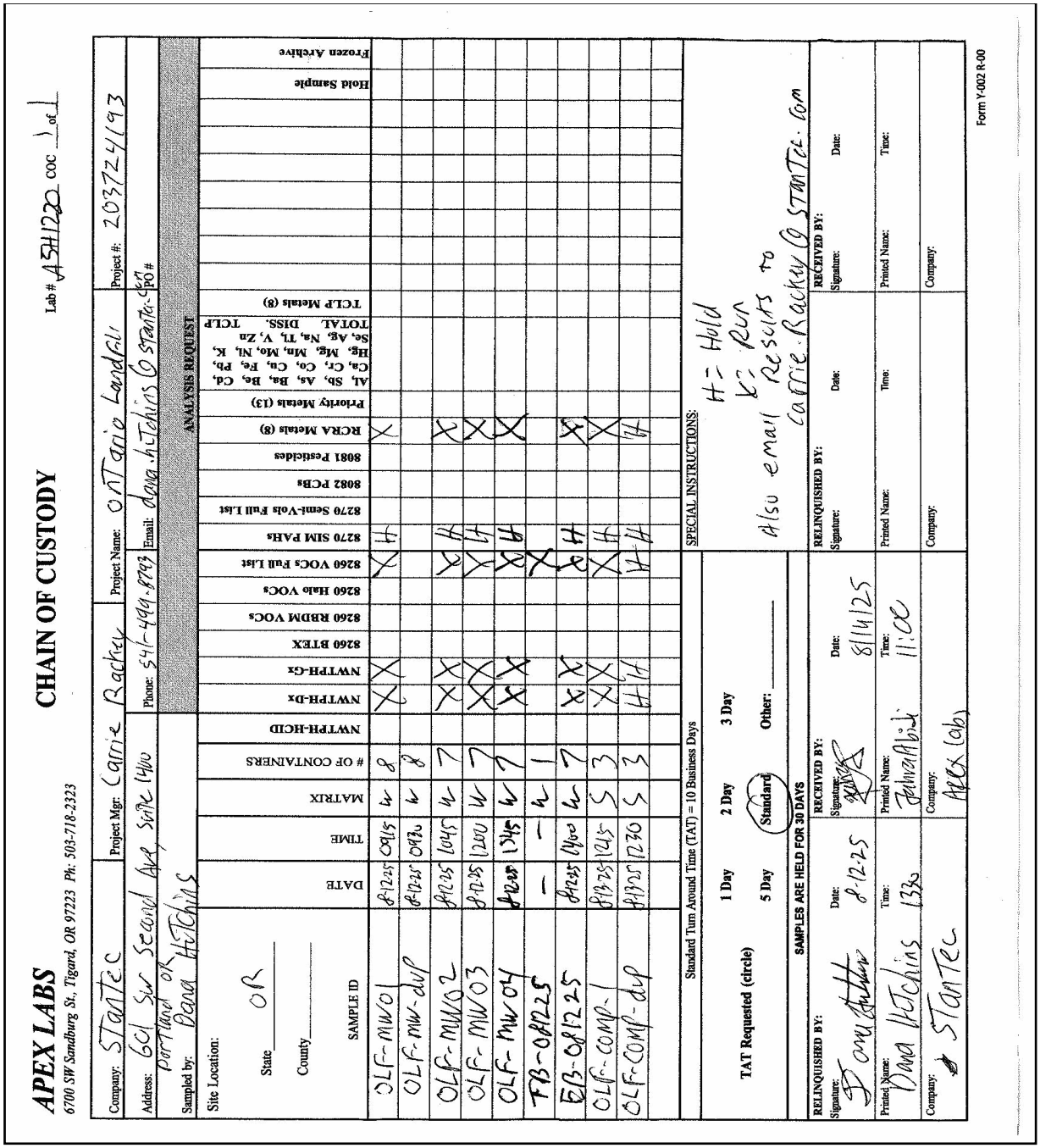
601 SW 2nd Ave Suite 1400	Project Number: **203724193**	**Report ID:**
Portland, OR 97204	Project Manager: **Carrie Rackey**	**A5H1220 - 09 12 25 1449**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A5H1220 COC 1 of 1

Company: Stantec | Project Mgr: Carrie Rackey | Project Name: Ontario Landfill | Project #: 203724193
Address: 601 SW 2nd Ave, Suite 1400 | Phone: 541-499-8797 | Email: dana.hitchins@stantec.com | PO #
Sampled by: Dana Hitchins

Site Location: State OR County

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Hold Sample	Frozen Archive
OLF-MW01	8/12/25	0915	W	8		X	X				X	H				X					
OLF-MW-dup	8/12/25	0930	W	8																	
OLF-MW02	8/12/25	1045	W	7		X	X				X	H				X					
OLF-MW03	8/12/25	1200	W	7		X	X				X	H				X					
OLF-MW04	8/12/25	1345	W	7		X	X				X	H				X					
FB-081225	8/12/25	-	W	1							X										
EB-081225	8/12/25	1400	W	7		X	X				X	H				X					
OLF-COMP-1	8/12/25	1245	S	3		X	X				X	H				X					
OLF-COMP-dup	8/12/25	1230	S	3		H	H				H	H				H					

Standard Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day | 2 Day | 3 Day | 5 Day | Standard | Other: _____

SPECIAL INSTRUCTIONS:
H = Hold
R = Run
Also email results to Carrie.Rackey@stantec.com

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature:	Signature:		Signature:		Signature:	
Date: 8-12-25	Date:		Date:		Date:	
Time: 1330	Time:		Time:		Time:	
Printed Name: Dana Hitchins	Printed Name:		Printed Name:		Printed Name:	
Company: Stantec	Company:		Company:		Company:	

Form Y-002 R-00

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

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APEX LABS COOLER RECEIPT FORM

Client: Stantec Element WO#: A5H1220

Project/Project #: Ontario Landfill #203724193

Delivery Info:

Date/time received: 8/14/25 @ 11:00 By: ZA

Delivered by: Apex__Client__ESS___FedEx✓UPS__Radio___Morgan ___SDS___Evergreen___Other ___

From USDA Regulated Origin? Yes _____ No ✓

Cooler Inspection Date/time inspected: 8/14/25 @ 11:00 By: ZA

Chain of Custody included? Yes ✓ No _____

Signed/dated by client? Yes ✓ No _____

Contains USDA Reg. Soils? Yes _____ No ✓ Unsure (email RegSoils) _____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	2.8	4.0					
Custody seals? (Y/N)	Y						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Real						
Condition (In/Out):	In						

Cooler out of temp? (Y/N) Possible reason why: _____

Green dots applied to out of temperature samples? Yes (No)

Out of temperature samples form initiated? Yes (No)

Sample Inspection: Date/time inspected: 8/14/25 @ 12:00 By: ZA

All samples intact? Yes ___ No ✓ Comments: 250mL unp. Amber's cap received broken, replaced at lab for EB-081225. It might be contaminated.

Bottle labels/COCs agree? Yes ___ No ✓ Comments: 250mL HNO3 poly & 250mL unp Amber read OLF-MW04 for EB-081225, matched by T.

COC/container discrepancies form initiated? Yes ___ No ✓

Containers/volumes received appropriate for analysis? Yes ✓ No ___ Comments: _____

Do VOA vials have visible headspace? Yes ✓ No ___ NA ___

Comments T.B has HS.

Water samples: pH checked: Yes ✓ No ___ NA ___ pH appropriate? Yes ✓ No ___ NA ___ pH ID: A25G112

Comments: _____

Labeled by: ZA Witness: AMW Cooler Inspected by: ZA

Form Y-003 R-02 -

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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eurofins | Air Toxics

Analytical Report

9/2/2025
Ms. Carrie Rackey
Stantec Consulting Corporation
601 SW 2nd Avenue
Suite 1400
Portland OR 97204

Project Name: OLF
Project #: 203724193
Workorder #: 2508408A

Dear Ms. Carrie Rackey

The following report includes the data for the above referenced project for sample(s) received on 8/15/2025 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Monica Tran

Project Manager

eurofins | Air Toxics

WORK ORDER #: 2508408A

Work Order Summary

CLIENT:	Ms. Carrie Rackey Stantec Consulting Corporation 601 SW 2nd Avenue Suite 1400 Portland, OR 97204	**BILL TO:**	Accounts Payable (OR) Stantec Consulting Corporation 225 NE Hillcrest Drive Suite 5 Grants Pass, OR 97526
PHONE:	503-297-1631	**P.O. #**	203724193
FAX:	503-297-5429	**PROJECT #**	203724193 OLF
DATE RECEIVED:	08/15/2025	**CONTACT:**	Monica Tran
DATE COMPLETED:	09/02/2025		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	OLF-SV02	TO-15	9.0 "Hg	9.8 psi
02A	OLF-SV01	TO-15	10.4 "Hg	10 psi
03A	OLF-SV-dup	TO-15	10.2 "Hg	9.8 psi
04A	OLF-SV03	TO-15	8.4 "Hg	10.1 psi
05A	Lab Blank	TO-15	NA	NA
06A	CCV	TO-15	NA	NA
07A	LCS	TO-15	NA	NA
07AA	LCSD	TO-15	NA	NA

CERTIFIED BY:  DATE: 09/02/25

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP–02089, MN NELAP-2836569, NH NELAP–209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000

LABORATORY NARRATIVE
EPA Method TO-15
Stantec Consulting Corporation
Workorder# 2508408A

Four 1 Liter Summa Canister samples were received on August 15, 2025. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: OLF-SV02

Lab ID#: 2508408A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloromethane	12	120	24	250
Bromomethane	12	22	46	85
Acetone	12	120	28	280
2-Propanol	4.8	18	12	44
2-Butanone (Methyl Ethyl Ketone)	4.8	16	14	46

Client Sample ID: OLF-SV01

Lab ID#: 2508408A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloromethane	13	27	26	56
Acetone	13	18	30	42
2-Butanone (Methyl Ethyl Ketone)	5.1	25	15	75
Ethyl Benzene	1.3	1.4	5.6	6.0
m,p-Xylene	2.6	4.4	11	19
o-Xylene	1.3	1.6	5.6	7.0
1,3,5-Trimethylbenzene	1.3	1.8	6.3	8.8
1,2,4-Trimethylbenzene	1.3	5.2	6.3	25

Client Sample ID: OLF-SV-dup

Lab ID#: 2508408A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloromethane	13	23	26	47
Acetone	13	18	30	42
2-Butanone (Methyl Ethyl Ketone)	5.0	20	15	60
m,p-Xylene	2.5	3.2	11	14
o-Xylene	1.3	1.3	5.5	5.5
1,3,5-Trimethylbenzene	1.3	1.5	6.2	7.2
1,2,4-Trimethylbenzene	1.3	4.2	6.2	20

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: OLF-SV03

Lab ID#: 2508408A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	12	32	22	60
Acetone	12	120	28	290
2-Propanol	4.7	19	12	48
2-Butanone (Methyl Ethyl Ketone)	4.7	120	14	340
4-Methyl-2-pentanone	1.2	1.3	4.8	5.3
Tetrachloroethene	1.2	1.2	7.9	8.4
2-Hexanone	4.7	7.7	19	31

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Client Sample ID: OLF-SV02

Lab ID#: 2508408A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083020**	**Date of Collection: 8/13/25 8:46:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 8/30/25 07:35 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.3	Not Detected
Chloromethane	12	120	24	250
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	12	22	46	85
Chloroethane	4.8	Not Detected	12	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	12	Not Detected	22	Not Detected
Freon 113	1.2	Not Detected	9.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	12	120	28	280
2-Propanol	4.8	18	12	44
Carbon Disulfide	4.8	Not Detected	15	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	41	Not Detected
Methyl tert-butyl ether	4.8	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	16	14	46
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	Not Detected	4.9	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	2.4	Not Detected	9.0	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected
2-Hexanone	4.8	Not Detected	19	Not Detected

eurofins | Air Toxics

Client Sample ID: OLF-SV02

Lab ID#: 2508408A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083020**	**Date of Collection: 8/13/25 8:46:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 8/30/25 07:35 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	2.4	Not Detected	10	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected
Naphthalene	2.4	Not Detected	12	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: OLF-SV01

Lab ID#: 2508408A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083021**	**Date of Collection:**	**8/13/25 10:19:00 AM**
Dil. Factor:	**2.57**	**Date of Analysis:**	**8/30/25 08:07 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.3	Not Detected	6.4	Not Detected
Freon 114	1.3	Not Detected	9.0	Not Detected
Chloromethane	13	27	26	56
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	13	Not Detected	50	Not Detected
Chloroethane	5.1	Not Detected	14	Not Detected
Freon 11	1.3	Not Detected	7.2	Not Detected
Ethanol	13	Not Detected	24	Not Detected
Freon 113	1.3	Not Detected	9.8	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Acetone	13	18	30	42
2-Propanol	5.1	Not Detected	13	Not Detected
Carbon Disulfide	5.1	Not Detected	16	Not Detected
3-Chloropropene	5.1	Not Detected	16	Not Detected
Methylene Chloride	13	Not Detected	45	Not Detected
Methyl tert-butyl ether	5.1	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Hexane	1.3	Not Detected	4.5	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.1	25	15	75
cis-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.8	Not Detected
Chloroform	1.3	Not Detected	6.3	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Cyclohexane	1.3	Not Detected	4.4	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.1	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	6.0	Not Detected
Benzene	1.3	Not Detected	4.1	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.2	Not Detected
Heptane	1.3	Not Detected	5.3	Not Detected
Trichloroethene	1.3	Not Detected	6.9	Not Detected
1,2-Dichloropropane	1.3	Not Detected	5.9	Not Detected
1,4-Dioxane	5.1	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.6	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.3	Not Detected
Toluene	2.6	Not Detected	9.7	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Tetrachloroethene	1.3	Not Detected	8.7	Not Detected
2-Hexanone	5.1	Not Detected	21	Not Detected

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Client Sample ID: OLF-SV01

Lab ID#: 2508408A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083021**	**Date of Collection: 8/13/25 10:19:00 AM**	
Dil. Factor:	**2.57**	**Date of Analysis: 8/30/25 08:07 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.9	Not Detected
Chlorobenzene	1.3	Not Detected	5.9	Not Detected
Ethyl Benzene	1.3	1.4	5.6	6.0
m,p-Xylene	2.6	4.4	11	19
o-Xylene	1.3	1.6	5.6	7.0
Styrene	1.3	Not Detected	5.5	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.3	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.8	Not Detected
Propylbenzene	1.3	Not Detected	6.3	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.3	Not Detected
1,3,5-Trimethylbenzene	1.3	1.8	6.3	8.8
1,2,4-Trimethylbenzene	1.3	5.2	6.3	25
1,3-Dichlorobenzene	1.3	Not Detected	7.7	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.7	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.6	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.7	Not Detected
1,2,4-Trichlorobenzene	5.1	Not Detected	38	Not Detected
Hexachlorobutadiene	5.1	Not Detected	55	Not Detected
Naphthalene	2.6	Not Detected	13	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: OLF-SV-dup

Lab ID#: 2508408A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083022**	**Date of Collection:**	**8/13/25 10:19:00 AM**
Dil. Factor:	**2.52**	**Date of Analysis:**	**8/30/25 08:38 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.3	Not Detected	6.2	Not Detected
Freon 114	1.3	Not Detected	8.8	Not Detected
Chloromethane	13	23	26	47
Vinyl Chloride	1.3	Not Detected	3.2	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	13	Not Detected	49	Not Detected
Chloroethane	5.0	Not Detected	13	Not Detected
Freon 11	1.3	Not Detected	7.1	Not Detected
Ethanol	13	Not Detected	24	Not Detected
Freon 113	1.3	Not Detected	9.6	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Acetone	13	18	30	42
2-Propanol	5.0	Not Detected	12	Not Detected
Carbon Disulfide	5.0	Not Detected	16	Not Detected
3-Chloropropene	5.0	Not Detected	16	Not Detected
Methylene Chloride	13	Not Detected	44	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Hexane	1.3	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.0	20	15	60
cis-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.7	Not Detected
Chloroform	1.3	Not Detected	6.2	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Cyclohexane	1.3	Not Detected	4.3	Not Detected
Carbon Tetrachloride	1.3	Not Detected	7.9	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	5.9	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
Heptane	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	6.8	Not Detected
1,2-Dichloropropane	1.3	Not Detected	5.8	Not Detected
1,4-Dioxane	5.0	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.4	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.2	Not Detected
Toluene	2.5	Not Detected	9.5	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Tetrachloroethene	1.3	Not Detected	8.5	Not Detected
2-Hexanone	5.0	Not Detected	21	Not Detected

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Client Sample ID: OLF-SV-dup

Lab ID#: 2508408A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083022**	**Date of Collection:**	**8/13/25 10:19:00 AM**
Dil. Factor:	**2.52**	**Date of Analysis:**	**8/30/25 08:38 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.7	Not Detected
Chlorobenzene	1.3	Not Detected	5.8	Not Detected
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	2.5	3.2	11	14
o-Xylene	1.3	1.3	5.5	5.5
Styrene	1.3	Not Detected	5.4	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.2	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.6	Not Detected
Propylbenzene	1.3	Not Detected	6.2	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.2	Not Detected
1,3,5-Trimethylbenzene	1.3	1.5	6.2	7.2
1,2,4-Trimethylbenzene	1.3	4.2	6.2	20
1,3-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.5	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	5.0	Not Detected	37	Not Detected
Hexachlorobutadiene	5.0	Not Detected	54	Not Detected
Naphthalene	2.5	Not Detected	13	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: OLF-SV03

Lab ID#: 2508408A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083023**	**Date of Collection:**	**8/13/25 11:18:00 AM**
Dil. Factor:	**2.34**	**Date of Analysis:**	**8/30/25 09:09 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.8	Not Detected
Freon 114	1.2	Not Detected	8.2	Not Detected
Chloromethane	12	Not Detected	24	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	12	Not Detected	45	Not Detected
Chloroethane	4.7	Not Detected	12	Not Detected
Freon 11	1.2	Not Detected	6.6	Not Detected
Ethanol	12	32	22	60
Freon 113	1.2	Not Detected	9.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	12	120	28	290
2-Propanol	4.7	19	12	48
Carbon Disulfide	4.7	Not Detected	14	Not Detected
3-Chloropropene	4.7	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	41	Not Detected
Methyl tert-butyl ether	4.7	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	Not Detected	4.1	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.7	120	14	340
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.4	Not Detected
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Cyclohexane	1.2	Not Detected	4.0	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.4	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.5	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.7	Not Detected
Heptane	1.2	Not Detected	4.8	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
1,4-Dioxane	4.7	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	7.8	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	1.2	1.3	4.8	5.3
Toluene	2.3	Not Detected	8.8	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Tetrachloroethene	1.2	1.2	7.9	8.4
2-Hexanone	4.7	7.7	19	31

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Client Sample ID: OLF-SV03

Lab ID#: 2508408A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083023**	**Date of Collection:**	**8/13/25 11:18:00 AM**
Dil. Factor:	**2.34**	**Date of Analysis:**	**8/30/25 09:09 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.0	Not Detected
Chlorobenzene	1.2	Not Detected	5.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.1	Not Detected
m,p-Xylene	2.3	Not Detected	10	Not Detected
o-Xylene	1.2	Not Detected	5.1	Not Detected
Styrene	1.2	Not Detected	5.0	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.0	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.0	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,2,4-Trichlorobenzene	4.7	Not Detected	35	Not Detected
Hexachlorobutadiene	4.7	Not Detected	50	Not Detected
Naphthalene	2.3	Not Detected	12	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2508408A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083006**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/30/25 10:21 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2508408A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083006**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/30/25 10:21 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	1.0	Not Detected	4.3	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: CCV

Lab ID#: 2508408A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083002**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 8/30/25 08:02 AM**

Compound	%Recovery
Freon 12	90
Freon 114	91
Chloromethane	95
Vinyl Chloride	92
1,3-Butadiene	95
Bromomethane	98
Chloroethane	100
Freon 11	95
Ethanol	104
Freon 113	88
1,1-Dichloroethene	89
Acetone	107
2-Propanol	91
Carbon Disulfide	89
3-Chloropropene	88
Methylene Chloride	92
Methyl tert-butyl ether	97
trans-1,2-Dichloroethene	95
Hexane	104
1,1-Dichloroethane	105
2-Butanone (Methyl Ethyl Ketone)	102
cis-1,2-Dichloroethene	95
Tetrahydrofuran	104
Chloroform	96
1,1,1-Trichloroethane	96
Cyclohexane	100
Carbon Tetrachloride	97
2,2,4-Trimethylpentane	105
Benzene	105
1,2-Dichloroethane	107
Heptane	104
Trichloroethene	101
1,2-Dichloropropane	105
1,4-Dioxane	121
Bromodichloromethane	99
cis-1,3-Dichloropropene	107
4-Methyl-2-pentanone	111
Toluene	104
trans-1,3-Dichloropropene	102
1,1,2-Trichloroethane	99
Tetrachloroethene	99
2-Hexanone	110

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Client Sample ID: CCV

Lab ID#: 2508408A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/30/25 08:02 AM**	

Compound	%Recovery
Dibromochloromethane	103
1,2-Dibromoethane (EDB)	100
Chlorobenzene	99
Ethyl Benzene	103
m,p-Xylene	106
o-Xylene	103
Styrene	108
Bromoform	109
Cumene	111
1,1,2,2-Tetrachloroethane	103
Propylbenzene	105
4-Ethyltoluene	114
1,3,5-Trimethylbenzene	107
1,2,4-Trimethylbenzene	110
1,3-Dichlorobenzene	108
1,4-Dichlorobenzene	106
alpha-Chlorotoluene	105
1,2-Dichlorobenzene	106
1,2,4-Trichlorobenzene	99
Hexachlorobutadiene	101
Naphthalene	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCS

Lab ID#: 2508408A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/30/25 08:33 AM**	

Compound	%Recovery	Method Limits
Freon 12	99	70-130
Freon 114	101	70-130
Chloromethane	106	70-130
Vinyl Chloride	112	70-130
1,3-Butadiene	114	70-130
Bromomethane	110	70-130
Chloroethane	109	70-130
Freon 11	101	70-130
Ethanol	107	70-130
Freon 113	93	70-130
1,1-Dichloroethene	92	70-130
Acetone	93	70-130
2-Propanol	112	70-130
Carbon Disulfide	94	70-130
3-Chloropropene	96	70-130
Methylene Chloride	96	70-130
Methyl tert-butyl ether	95	70-130
trans-1,2-Dichloroethene	96	70-130
Hexane	98	70-130
1,1-Dichloroethane	100	70-130
2-Butanone (Methyl Ethyl Ketone)	96	70-130
cis-1,2-Dichloroethene	95	70-130
Tetrahydrofuran	105	70-130
Chloroform	92	70-130
1,1,1-Trichloroethane	101	70-130
Cyclohexane	102	70-130
Carbon Tetrachloride	101	70-130
2,2,4-Trimethylpentane	115	70-130
Benzene	104	70-130
1,2-Dichloroethane	104	70-130
Heptane	100	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	102	70-130
1,4-Dioxane	124	70-130
Bromodichloromethane	95	70-130
cis-1,3-Dichloropropene	107	70-130
4-Methyl-2-pentanone	113	70-130
Toluene	98	70-130
trans-1,3-Dichloropropene	103	70-130
1,1,2-Trichloroethane	98	70-130
Tetrachloroethene	96	70-130
2-Hexanone	116	70-130

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Client Sample ID: LCS

Lab ID#: 2508408A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/30/25 08:33 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	99	70-130
1,2-Dibromoethane (EDB)	99	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	102	70-130
m,p-Xylene	106	70-130
o-Xylene	101	70-130
Styrene	110	70-130
Bromoform	105	70-130
Cumene	109	70-130
1,1,2,2-Tetrachloroethane	100	70-130
Propylbenzene	102	70-130
4-Ethyltoluene	109	70-130
1,3,5-Trimethylbenzene	105	70-130
1,2,4-Trimethylbenzene	110	70-130
1,3-Dichlorobenzene	105	70-130
1,4-Dichlorobenzene	104	70-130
alpha-Chlorotoluene	99	70-130
1,2-Dichlorobenzene	102	70-130
1,2,4-Trichlorobenzene	114	70-130
Hexachlorobutadiene	118	70-130
Naphthalene	94	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: LCSD

Lab ID#: 2508408A-07AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/30/25 09:04 AM**	

Compound	%Recovery	Method Limits
Freon 12	96	70-130
Freon 114	94	70-130
Chloromethane	100	70-130
Vinyl Chloride	100	70-130
1,3-Butadiene	104	70-130
Bromomethane	102	70-130
Chloroethane	102	70-130
Freon 11	97	70-130
Ethanol	94	70-130
Freon 113	91	70-130
1,1-Dichloroethene	92	70-130
Acetone	99	70-130
2-Propanol	120	70-130
Carbon Disulfide	100	70-130
3-Chloropropene	102	70-130
Methylene Chloride	102	70-130
Methyl tert-butyl ether	103	70-130
trans-1,2-Dichloroethene	100	70-130
Hexane	105	70-130
1,1-Dichloroethane	110	70-130
2-Butanone (Methyl Ethyl Ketone)	95	70-130
cis-1,2-Dichloroethene	93	70-130
Tetrahydrofuran	109	70-130
Chloroform	94	70-130
1,1,1-Trichloroethane	98	70-130
Cyclohexane	102	70-130
Carbon Tetrachloride	98	70-130
2,2,4-Trimethylpentane	109	70-130
Benzene	103	70-130
1,2-Dichloroethane	103	70-130
Heptane	100	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	104	70-130
1,4-Dioxane	119	70-130
Bromodichloromethane	85	70-130
cis-1,3-Dichloropropene	95	70-130
4-Methyl-2-pentanone	111	70-130
Toluene	96	70-130
trans-1,3-Dichloropropene	102	70-130
1,1,2-Trichloroethane	98	70-130
Tetrachloroethene	96	70-130
2-Hexanone	116	70-130

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Client Sample ID: LCSD

Lab ID#: 2508408A-07AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60083004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/30/25 09:04 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	100	70-130
1,2-Dibromoethane (EDB)	98	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	102	70-130
m,p-Xylene	104	70-130
o-Xylene	102	70-130
Styrene	109	70-130
Bromoform	105	70-130
Cumene	110	70-130
1,1,2,2-Tetrachloroethane	100	70-130
Propylbenzene	102	70-130
4-Ethyltoluene	108	70-130
1,3,5-Trimethylbenzene	106	70-130
1,2,4-Trimethylbenzene	124	70-130
1,3-Dichlorobenzene	98	70-130
1,4-Dichlorobenzene	97	70-130
alpha-Chlorotoluene	95	70-130
1,2-Dichlorobenzene	102	70-130
1,2,4-Trichlorobenzene	116	70-130
Hexachlorobutadiene	116	70-130
Naphthalene	97	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	99	70-130

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Method : TO-15 + Naph

CAS Number	Compound	Rpt. Limit (ppbv)
75-71-8	Freon 12	0.50
76-14-2	Freon 114	0.50
74-87-3	Chloromethane	5.0
75-01-4	Vinyl Chloride	0.50
106-99-0	1,3-Butadiene	0.50
74-83-9	Bromomethane	5.0
75-00-3	Chloroethane	2.0
75-69-4	Freon 11	0.50
64-17-5	Ethanol	5.0
76-13-1	Freon 113	0.50
75-35-4	1,1-Dichloroethene	0.50
67-64-1	Acetone	5.0
67-63-0	2-Propanol	2.0
75-15-0	Carbon Disulfide	2.0
107-05-1	3-Chloropropene	2.0
75-09-2	Methylene Chloride	5.0
1634-04-4	Methyl tert-butyl ether	2.0
156-60-5	trans-1,2-Dichloroethene	0.50
110-54-3	Hexane	0.50
75-34-3	1,1-Dichloroethane	0.50
78-93-3	2-Butanone (Methyl Ethyl Ketone)	2.0
156-59-2	cis-1,2-Dichloroethene	0.50
109-99-9	Tetrahydrofuran	0.50
67-66-3	Chloroform	0.50
71-55-6	1,1,1-Trichloroethane	0.50
110-82-7	Cyclohexane	0.50
56-23-5	Carbon Tetrachloride	0.50
540-84-1	2,2,4-Trimethylpentane	0.50
71-43-2	Benzene	0.50
107-06-2	1,2-Dichloroethane	0.50
142-82-5	Heptane	0.50
79-01-6	Trichloroethene	0.50
78-87-5	1,2-Dichloropropane	0.50
123-91-1	1,4-Dioxane	2.0
75-27-4	Bromodichloromethane	0.50
10061-01-5	cis-1,3-Dichloropropene	0.50
108-10-1	4-Methyl-2-pentanone	0.50
108-88-3	Toluene	1.0
10061-02-6	trans-1,3-Dichloropropene	0.50
79-00-5	1,1,2-Trichloroethane	0.50
127-18-4	Tetrachloroethene	0.50
591-78-6	2-Hexanone	2.0
124-48-1	Dibromochloromethane	0.50
106-93-4	1,2-Dibromoethane (EDB)	0.50

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Method : TO-15 + Naph

CAS Number	Compound	Rpt. Limit (ppbv)
108-90-7	Chlorobenzene	0.50
100-41-4	Ethyl Benzene	0.50
108-38-3	m,p-Xylene	1.0
95-47-6	o-Xylene	0.50
100-42-5	Styrene	0.50
75-25-2	Bromoform	0.50
98-82-8	Cumene	0.50
79-34-5	1,1,2,2-Tetrachloroethane	0.50
103-65-1	Propylbenzene	0.50
622-96-8	4-Ethyltoluene	0.50
108-67-8	1,3,5-Trimethylbenzene	0.50
95-63-6	1,2,4-Trimethylbenzene	0.50
541-73-1	1,3-Dichlorobenzene	0.50
106-46-7	1,4-Dichlorobenzene	0.50
100-44-7	alpha-Chlorotoluene	0.50
95-50-1	1,2-Dichlorobenzene	0.50
120-82-1	1,2,4-Trichlorobenzene	2.0
87-68-3	Hexachlorobutadiene	2.0
91-20-3	Naphthalene	1.0

	Surrogate	Method Limits
2037-26-5	Toluene-d8	70-130
17060-07-0	1,2-Dichloroethane-d4	70-130
460-00-4	4-Bromofluorobenzene	70-130

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Analytical Report

8/29/2025
Ms. Carrie Rackey
Stantec Consulting Corporation
601 SW 2nd Avenue
Suite 1400
Portland OR 97204

Project Name: OLF
Project #: 203724193
Workorder #: 2508408B

Dear Ms. Carrie Rackey

The following report includes the data for the above referenced project for sample(s) received on 8/15/2025 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Monica Tran

Project Manager

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WORK ORDER #: 2508408B

Work Order Summary

CLIENT:	Ms. Carrie Rackey Stantec Consulting Corporation 601 SW 2nd Avenue Suite 1400 Portland, OR 97204	**BILL TO:**	Accounts Payable (OR) Stantec Consulting Corporation 225 NE Hillcrest Drive Suite 5 Grants Pass, OR 97526
PHONE:	503-297-1631	**P.O. #**	203724193
FAX:	503-297-5429	**PROJECT #**	203724193 OLF
DATE RECEIVED:	08/15/2025	**CONTACT:**	Monica Tran
DATE COMPLETED:	08/29/2025		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	OLF-SV02	Modified ASTM D-1946	9.0 "Hg	9.8 psi
02A	OLF-SV01	Modified ASTM D-1946	10.4 "Hg	10 psi
03A	OLF-SV-dup	Modified ASTM D-1946	10.2 "Hg	9.8 psi
04A	OLF-SV03	Modified ASTM D-1946	8.4 "Hg	10.1 psi
05A	Lab Blank	Modified ASTM D-1946	NA	NA
05B	Lab Blank	Modified ASTM D-1946	NA	NA
06A	CCV	Modified ASTM D-1946	NA	NA
06B	CCV	Modified ASTM D-1946	NA	NA
07A	LCS	Modified ASTM D-1946	NA	NA
07AA	LCSD	Modified ASTM D-1946	NA	NA
07B	LCS	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 08/29/25

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP–02089, MN NELAP-2836569, NH NELAP–209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000

LABORATORY NARRATIVE
Modified ASTM D-1946
Stantec Consulting Corporation
Workorder# 2508408B

Four 1 Liter Summa Canister samples were received on August 15, 2025. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Since Nitrogen is used to pressurize samples, the reported Nitrogen values are calculated by adding all the sample components and subtracting from 100%.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: OLF-SV02

Lab ID#: 2508408B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	20
Nitrogen	1.2	79
Carbon Dioxide	0.024	1.4

Client Sample ID: OLF-SV01

Lab ID#: 2508408B-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	20
Nitrogen	1.3	79
Carbon Dioxide	0.026	1.4
Helium	0.13	0.50

Client Sample ID: OLF-SV-dup

Lab ID#: 2508408B-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	20
Nitrogen	1.3	78
Carbon Dioxide	0.025	1.1
Helium	0.13	0.39

Client Sample ID: OLF-SV03

Lab ID#: 2508408B-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	20
Nitrogen	1.2	78
Carbon Dioxide	0.023	2.2

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Client Sample ID: OLF-SV02

Lab ID#: 2508408B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11082617**	**Date of Collection: 8/13/25 8:46:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 8/26/25 04:42 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	20
Nitrogen	1.2	79
Carbon Monoxide	0.024	Not Detected
Methane	0.00024	Not Detected
Carbon Dioxide	0.024	1.4
Ethane	0.0024	Not Detected
Ethene	0.0024	Not Detected
Hydrogen	0.024	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: OLF-SV01

Lab ID#: 2508408B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11082618**	**Date of Collection: 8/13/25 10:19:00 AM**	
Dil. Factor:	**2.57**	**Date of Analysis: 8/26/25 05:10 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	20
Nitrogen	1.3	79
Carbon Monoxide	0.026	Not Detected
Methane	0.00026	Not Detected
Carbon Dioxide	0.026	1.4
Ethane	0.0026	Not Detected
Ethene	0.0026	Not Detected
Hydrogen	0.026	Not Detected
Helium	0.13	0.50

Container Type: 1 Liter Summa Canister

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Client Sample ID: OLF-SV-dup

Lab ID#: 2508408B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11082619**	**Date of Collection:**	**8/13/25 10:19:00 AM**
Dil. Factor:	**2.52**	**Date of Analysis:**	**8/26/25 05:53 PM**

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	20
Nitrogen	1.3	78
Carbon Monoxide	0.025	Not Detected
Methane	0.00025	Not Detected
Carbon Dioxide	0.025	1.1
Ethane	0.0025	Not Detected
Ethene	0.0025	Not Detected
Hydrogen	0.025	Not Detected
Helium	0.13	0.39

Container Type: 1 Liter Summa Canister

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Client Sample ID: OLF-SV03

Lab ID#: 2508408B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11082620**	**Date of Collection:**	**8/13/25 11:18:00 AM**
Dil. Factor:	**2.34**	**Date of Analysis:**	**8/26/25 06:17 PM**

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	20
Nitrogen	1.2	78
Carbon Monoxide	0.023	Not Detected
Methane	0.00023	Not Detected
Carbon Dioxide	0.023	2.2
Ethane	0.0023	Not Detected
Ethene	0.0023	Not Detected
Hydrogen	0.023	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Lab Blank

Lab ID#: 2508408B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11082604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/26/25 09:20 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Nitrogen	0.50	Not Detected
Carbon Monoxide	0.010	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected
Ethane	0.0010	Not Detected
Ethene	0.0010	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 2508408B-05B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11082605c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/26/25 09:44 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Hydrogen	0.010	Not Detected
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 2508408B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11082601**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/26/25 07:44 AM**	

Compound	%Recovery
Oxygen	100
Nitrogen	93
Carbon Monoxide	92
Methane	94
Carbon Dioxide	100
Ethane	98
Ethene	99
Helium	100

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 2508408B-06B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11082603c**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 8/26/25 08:41 AM**

Compound	%Recovery
Hydrogen	94

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 2508408B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11082602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/26/25 08:09 AM**	

Compound	%Recovery	Method Limits
Oxygen	102	85-115
Nitrogen	92	85-115
Carbon Monoxide	88	85-115
Methane	96	85-115
Carbon Dioxide	104	85-115
Ethane	101	85-115
Ethene	100	85-115
Helium	104	85-115

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 2508408B-07AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11082625**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/26/25 08:28 PM**	

Compound	%Recovery	Method Limits
Oxygen	102	85-115
Nitrogen	92	85-115
Carbon Monoxide	88	85-115
Methane	95	85-115
Carbon Dioxide	104	85-115
Ethane	101	85-115
Ethene	100	85-115
Helium	104	85-115

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 2508408B-07B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**11082626c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/26/25 08:53 PM**	

Compound	%Recovery	Method Limits
Hydrogen	104	85-115

Container Type: NA - Not Applicable

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Method : Modified ASTM D-1946 + H2 + He

CAS Number	Compound	Rpt. Limit (%)
7782-44-7	Oxygen	0.10
7727-37-9	Nitrogen	0.50
630-08-0	Carbon Monoxide	0.010
74-82-8	Methane	0.00010
124-38-9	Carbon Dioxide	0.010
74-84-0	Ethane	0.0010
74-85-1	Ethene	0.0010
1333-74-0	Hydrogen	0.010
7440-59-7	**Helium**	**0.050**

With every community, we redefine what's possible.

Stantec is a global leader in sustainable architecture, engineering, and environmental consulting. The diverse perspectives of our partners and interested parties drive us to think beyond what's previously been done on critical issues like climate change, digital transformation, and future-proofing our cities and infrastructure. We innovate at the intersection of community, creativity, and client relationships to advance communities everywhere, so that together we can redefine what's possible.