

**Final Interim Action Completion Report –
Go East Landfill Corp Site**

4430 108th Street SE
Everett, Washington

for
P&GE LLC

November 23, 2021



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2101 4th Avenue, Suite 590
Seattle, Washington 98121
206.728.2674

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Go East Landfill Corp Site**

**4430 108th Street SE
Everett, Washington**

File No. 6694-002-05

November 23, 2021

Prepared for:

Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98008

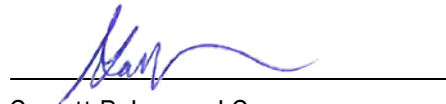
Attention: Alan Noell

On Behalf of:

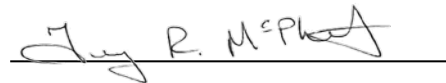
Martin Penhallegon
P&GE, LLC
11255 Kirkland Way, Suite 300
Kirkland, Washington 98033-6715

Prepared by:

GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, Washington 98121
206.728.2674



Garrett R. Leque, LG
Senior Environmental Geologist



Terry R. McPhetridge, LG
Principal Environmental Geologist

GRL:TRM:tjh:cje:ch

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1.0 INTRODUCTION

This Final Interim Action Completion Report documents the interim action that occurred in June 2020 and from April 2021 to June 2021 at the Go East Corp Landfill Site (Site). The interim action was performed at the Site per the Agreed Order (DE 18121) executed between the owner, P&GE LLC, and the Washington State Department of Ecology (Ecology). The interim action was performed in accordance with the Interim Action Work Plan (IAWP) dated August 10, 2020. The interim action activities generally included collection and analysis of soil and landfill material samples, excavation and consolidation of “wedge area” landfill material into the main landfill mass, and confirmation soil sampling. An Agency Review Draft of this report was provided to Ecology on September 28, 2021. Ecology’s comments on the report were received October 22, 2021. This Final report has been revised based on Ecology’s comments.

2.0 BACKGROUND

This section presents a summary of background information for the Site. More detailed background information can be found in previously published documents including but not limited to the Landfill Closure Plan (PACE 2018) and Remedial Investigation Work Plan (GeoEngineers 2021).

The 40.9-acre Site is located at 4330 108th Street Southeast in Everett, Washington (Vicinity Map, Figure 1) on Snohomish County parcel number 280521-004-002-00. The Site is situated on a bluff overlooking the Snohomish River Valley. The approximately 7-acre Landfill is situated within the Site in a former eastward-sloping ravine that previously existed in the northern half of the Site. Sand and gravel were mined from the walls of the ravine before landfilling operations began. Landfill operations occurred from the mid-1970s until 1983. A soil cover was added over the top of the landfill after 1983 with the vegetation growing on the soil cover from the mid-1980s to approximately 2020/2021 when the interim action and development activities were initiated.

Landfilled materials reportedly included wood, mineral, and concrete solid materials, but not garbage or putrescibles (i.e., solid waste containing organic material that is liable to decompose). Lesser amounts of landfilled materials included tires, cardboard, paper, and warehousing waste materials. In 1974, approximately 200 cubic yards of baghouse dust (magnesium, phosphate, and aluminum) were placed into the landfill and resulted in a combustion event. The fire hazard was eliminated when the different types of wastes were separated using a front-end loader. The fires caused by the metal dusts soon burned out. Go East representatives excavated smoldering wood waste debris and extinguished the smoldering fires from November 1979 through early 1980. The wood waste debris primarily included large tree stumps associated with a prior landfill owner’s operation.

An additional fire began on the surface of the Landfill’s northeastern slope in October 1983. The soil cover in the area where this fire started was washed away when the local fire district sprayed water on the slope in an effort to extinguish the fire. This caused the fire to spread across the top surface of the Landfill without penetrating to the lower disposal cells. The fire burned out by January 1986. There have been no other fires at the Landfill since January 1986.

The Site has been subject to several environmental and other studies performed from the early 1980s to present (2021). The lateral extent of the landfill was reduced to approximately 7 acres, by excavating and consolidating the approximate 2-acre “wedge area” from the periphery of the landfill (Site Plan, Figure 2).

3.0 INTERIM ACTION WORK PLAN

The Agreed Order authorized implementation of an interim action at the Site among other activities. Interim action activities generally included collection and analysis of soil and landfill material samples, removal of landfill material from the wedge area in accordance with the approved Landfill Closure Plan (2018), confirmation soil sampling beneath the wedge area, and removal of encountered contaminated soil. Ecology determined that the interim action would protect human health and the environment.

A draft IAWP was submitted to Ecology in April 2020. The IAWP was later revised, and a final IAWP dated August 10, 2020 was prepared to guide the interim action described in this report (GeoEngineers 2020).

3.1. Current Ongoing Construction Activities Following Completion of Interim Action

The Site is currently (2021) undergoing construction to achieve the following.

- Re-route one of three streams that are located on the property (Figure 2). The headwater portion of Stream 1 is being rerouted as part of ongoing construction and in accordance with the Landfill Closure Plan. The re-routed stream alignment will be shown on figures in future reports (RI/FS, etc.).
- Final closure of the historical landfill as a limited purpose landfill in accordance with Section 173-350-400 of the Washington Administrative Code and the approved Landfill Closure Plan (2018).
- Develop residential plats and infrastructure for single-family residential housing around the final landfill boundary.

The Agreed Order also requires a remedial investigation, a Remedial Investigation/Feasibility Study report (RI/FS), and a draft Cleanup Action Plan (DCAP). The closure of the landfill is not a component of the Agreed Order and is not subject to the Model Toxics Control Act (MTCA).

4.0 INTERIM ACTION PRE-CONSTRUCTION SAMPLING

The IAWP required the following activities prior to the excavation of the wedge area.

- On-site fill source sampling.
- Former storage tank area sampling.
- Supplemental landfill material waste characterization sampling.

The interim action pre-construction sampling was performed on June 29 and 30, 2020 in accordance with the IAWP. Results were provided to Ecology in a memorandum dated July 30, 2020. The memorandum is attached to this report as Appendix A.

5.0 INTERIM ACTION CONSTRUCTION ACTIVITIES

This section describes the remaining interim action activities performed as specified in the IAWP. The remaining activities were performed between approximately April 2021 and June 30, 2021 and generally included the following items:

- Excavation of landfill material within interim action excavation area (the “wedge area”).
- Confirmation soil sampling within the interim action excavation area.
- Lot exploration outside current Landfill limit.

A reconnaissance of the northeastern slope of the Site is a landfill closure requirement that is referenced in the interim action work plan. This reconnaissance has not yet been completed. The reconnaissance results will be reported in a report addendum.

5.1. Contractor Mobilization

AERO Construction (P&GE’s contractor) mobilized to the Site in early April 2021. Activities included mobilizing various construction equipment to the Site, installation of a temporary job trailer and portable bathroom facilities, and installation of temporary erosion and sedimentation control measures. Other activities performed that were not directly prescient to this report include installation of a water line to the Site and deep dynamic compaction on the landfill.

5.2. Wedge Area Excavation and Confirmation Sampling

Excavation of landfill material within the wedge area was performed between April 27 and June 23, 2021. The excavated wedge area is shown on Interim Action Confirmation Soil Sample Locations, Figure 3. AERO Construction excavated the landfill wedge material and consolidated the excavated material within the revised landfill boundary. GeoEngineers personnel were on site to observe wedge area excavation work in accordance with the IAWP and LFCP. A certified asbestos professional¹ was also onsite to observe for evidence of suspect asbestos-containing material (ACM) and/or lead based paint (LBP) materials and to perform sampling in accordance with the IAWP and LFCP. ACM and LBP are discussed further in Section 5.3.

Landfill material was confirmed to be entirely removed from the wedge area, and it was confirmed that only native soil remained in the base and distal sidewalls (i.e., non-landfill-side sidewalls) of excavated areas. The removed material was also observed for anomalous soil staining, odors, or unexpected wastes such as drums. None were observed. In general, landfill material observed was consistent with observations in previous site investigations and included wood, mineral, and concrete solid materials, tires, plastic, and apparent construction/demolition material such as vinyl tiles and roofing materials. Wood was mostly wood waste (i.e., stumps and branches), with some dimensional lumber observed as well.

The actual limits of the excavated wedge area in Figure 3 differ slightly from the anticipated wedge excavation area depicted in Figure 4 of the IAWP; while the vertical and lateral extents of the landfill and/or wedge area were observed approximately as anticipated. However, there were the following two exceptions:

- The depth of the landfill/wedge area was deeper than the anticipated depth of approximately 50 feet in the southeastern portion of the project. Accordingly, the final landfill limit was moved approximately 30 feet to the southeast with the future residential lot lines adjusted accordingly.

¹ An AHERA accredited building inspector from Pacific Rim Environmental.

- The lateral extent of the wedge area in the southeastern portion of the project did not extend as far to the southeast (north of the planned cul-de-sac) as anticipated. The area was approximately 20 to 30 feet narrower than anticipated.

The anticipated and actual limits are shown in Figure 3 for comparison.

Native soil was field screened following confirmation that landfill materials were removed from within the wedge excavation area. Confirmation soil samples were then collected from the native soil for chemical analysis to evaluate soil conditions per the IAWP. Per the IAWP, a total of 59 confirmation soil samples were collected during the interim action.² Nine additional samples were collected as “re-samples” as discussed below, for a total of 68 soil confirmation samples collected for chemical analysis. Sample locations are shown in Figure 3. The sample nomenclature (e.g., IAEX-3-25) indicates an interim action excavation confirmation soil sample (i.e., IAEX) collected from a sequential location (i.e., 3) at an estimated excavation depth in feet (i.e., 25). Samples were analyzed on a rapid turnaround time for Site analytes including the following:

- Gasoline-range organics (GRO) by Northwest Method NWTPH-Gx.
- Diesel- and oil-range organics (DRO and ORO) by Northwest Method NWTPH-Dx.
- Volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Methods 5035A and 8260D.
- Semi-volatile organic compounds (SVOCs) with low-level polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270E/SIM.
- Polychlorinated biphenyls (PCBs) as Aroclors by EPA Method 8082A.
- Organochlorine pesticides by EPA Method 8081B.
- Chlorinated acid herbicides by EPA Method 8151A.
- Arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium and zinc by EPA Methods 6010D/6020B/7471B.

Table 1 - Interim Action Excavation Confirmation Soil Sample Results - summarizes the field screening results and analytical data as compared to Interim Action Levels (IALs) that were developed in the IAWP.

Areas were approved for backfill where confirmation soil sampling indicated no analytes exceeded IALs. There were nine soil samples that contained at least one analyte that exceeded an IAL. Soil was over-excavated in these areas with IAL exceedance(s) and the underlying soil was re-sampled for the analyte(s) that exceeded IAL(s) in the initial sample. Table 1 is organized to show that the samples with an exceedance are followed to the right by the re-sampling results. No re-sampled soil samples contained any analytes exceeding IALs. The over-excavated soil was temporarily stockpiled onsite and subsequently disposed offsite (see Section 5.3).

² Due to the narrower-than-anticipated southeastern wedge area, not all 59 sample locations were necessary. However, to be conservative, a total of 59 samples were collected as planned in the IAWP. This effort included 6 initial samples collected in the southeastern portion of the wedge area even though no overlying landfill material was observed. Four of these locations required re-sampling.

The following are several exceptions where a soil sample contained a concentration of an analyte that exceeded an IAL and where soil was not over-excavated:

- Nickel frequently exceeded the IAL of 48 milligrams per kilogram (mg/kg), likely due to elevated background concentrations in native soil. Nickel concentrations in native soil ranged from 29 to 74 mg/kg at the Site. Figure 4 shows the locations where nickel exceeded the IAL of 48 mg/kg. The exceedances occur in multiple locations at the Site. Notably, the three samples that contained the highest concentrations of nickel were in locations where no overlying waste was observed, including locations IAEX-54-4, IAEX-55-3, and IAEX-59-5 (Figure 4 and Table 1)³. Areas where nickel exceeded the IAL were not over-excavated due to the frequency of exceedances and likelihood that concentrations are representative of background conditions. Finally, it should be noted that the nickel detections were detected at concentrations less than the screening levels for the direct contact (1,600 mg/kg) and protection of potable groundwater (132 mg/kg) exposure pathways.
- Chromium was detected at a concentration of 49 mg/kg in one sample (IAEX-39-20, beneath Lot 83 near Wetland A), which slightly exceeds the IAL of 48 mg/kg. The 48 mg/kg IAL for chromium is based on natural background concentrations.⁴ This area was not over-excavated because 49 mg/kg is essentially equal to the natural background concentration of 48 mg/kg. Additionally, this sample only exceeds the 42 mg/kg terrestrial ecological screening level, and the sample was collected beneath the 6-foot conditional point of compliance for this exposure pathway and the 15-foot standard point of compliance.
- The organochlorine pesticide aldrin was detected at a concentration of 0.024 mg/kg in one sample (IAEX-67-30, adjacent to Wetland A near Lot 84) that is greater than the IAL for aldrin of 0.005 mg/kg. The area was not over-excavated for the following reasons:
 - The sidewall sample was collected from 30 feet below ground surface (bgs) in the old ravine channel adjoining Wetland A. Further excavation into Wetland A was beyond the scope of the project and would require additional permitting relating to the wetlands.
 - The sample location and pesticide detection is presumptively associated with historical stormwater flow into the wetlands from the offsite properties west of the Site.
 - Aldrin was not detected in any other soil confirmation samples during the interim action, nor in any landfill material samples analyzed in June 2020, as part of Pre-Construction Soil Sampling activities (Appendix A). The only other pesticide detection was trans-chlordane in sample IAEX-4-6, located on the northwest sidewall of the wedge area at 6 feet bgs. Trans-chlordane was detected at a concentration of 0.0084 mg/kg (slightly greater than the detection limit) in this sample, trans-chlordane was not detected in sample IAEX-22-8 after additional excavation was performed.
 - Aldrin was detected at concentrations less than the soil screening levels that are protective of direct contact but exceed soil screening levels protective of groundwater and surface water.

³ As stated above, the extent of the wedge area in the southeastern portion of the project did not extend as far to the southeast as anticipated. To be environmentally conservative, interim action "excavation" samples of native soil were nonetheless collected in the approximate planned locations shown in Figure 4 of the IAWP.

⁴ Natural Background Soil Metals Concentrations in Washington State, Ecology Publication No. 94-115, October 1994.

The interim action level of 0.005 mg/kg was selected based on laboratory's practical quantitation limit for the analysis.

- The Remedial Investigation Work Plan includes sampling of sediment, surface water, and groundwater for aldrin. Additional sampling may be performed to evaluate whether pesticides are transported into Wetland A from off-Site area sources.

Laboratory packages for the soil confirmation samples as well as a data validation report are included in Appendix B.

5.3. Soil and ACM Disposal

As stated above in Section 5.2, areas were over-excavated where initial soil confirmation sampling indicated an exceedance of an IAL and the over-excavated soil was temporarily stockpiled on site. Stockpiles were lined beneath and covered with plastic sheeting when soil was not being added to the piles. The soil was profiled for disposal as non-hazardous waste. Wrecking Ball Demolition and Abatement loaded and transported the stockpiled soil from the Site to Regional Disposal Company's Intermodal Facility in Seattle, Washington. The total weight of soil was 94.52 tons based on the disposal records. Disposal documentation is included in Appendix C.

Suspected ACM observed during wedge excavation by the certified professional (Pacific Rim Environmental) included primarily roofing materials. The materials were sampled by the certified asbestos professional with the confirmed ACM being segregated and temporarily stockpiled onsite. The stockpile was lined beneath and covered with plastic sheeting when ACM was not being added to the pile. Wrecking Ball Demolition and Abatement loaded and transported a total of 247 tons of ACM from the Site to Regional Disposal Company's Intermodal Facility in Seattle, Washington. Disposal documentation is included in Appendix D. One cement tile was suspected of containing lead-based paint based on visual inspection. However, testing of the tile indicated the tile did not contain lead-based paint.

The Pacific Rim Environmental Report is provided in Appendix E.

5.4. Water Management

The Site maintained coverage under the Ecology Construction Stormwater General Permit during the Interim Action activities. The following sources of water were directed to a low point within the landfill and infiltrated in accordance with the LFCP:

- Stormwater falling on the landfill and wedge areas
- Surface water emanating from Stream 1 at the west end of the property
- Groundwater that was encountered during wedge excavation activities and that was dewatered

There was no known water runoff identified as surface water from the landfill or wedge area to off-property areas during the interim action. Upgradient groundwater that was encountered at the base of the west slope was intercepted in a groundwater interceptor trench and routed south to stream 2.

5.5. Survey

PACE Engineers' licensed surveyors performed a survey of the final landfill limits and the maximum observed lateral extent of wedge area following completion of the wedge area excavation. The limits

provided by PACE are shown on Figures 2 and 3 of this report. Survey work is ongoing. The surveyed extents of the landfill will be recorded in the Landfill Closure Construction Quality Assurance Report and shown in the RI/FS report.

5.6. Backfilling

It was anticipated that the project would generate enough onsite soil for structural filling purposes during project planning. However, additional import of structural fill was necessary to complete the project. Fill was imported from two main properties and continues to be imported as of the writing of this report. The two fill sources are listed below.

- *Vacant Parcel southwest of the intersection of NE 124th Street and Willows Road, Kirkland, Washington.* This vacant parcel is owned by the City of Kirkland based on information provided on the King County Assessor's website. This property is located on King County parcel number 2726059026. Approximately 20,000 cubic yards of fill were imported from this property based on communications with AERO Construction representatives.
- *8201 Evergreen Way, Everett, Washington.* This is a former commercial property (formerly a K Mart shopping center) located on Snohomish County parcel number 28050700307000. Approximately 30,000 cubic yards of fill are being imported from the property based on information provided by AERO Construction representatives.

Samples of the imported fill have been collected to evaluate the fill sources for potential contamination. The imported fill sampling results will be reported in an addendum report since sampling is ongoing as of the development of this report. The data collected through June 30, 2021, are shown in Table 2, Imported Fill Sources Soil Analytical Data. There have been no exceedances of IALs except zinc in sample IMP-S1-8. The zinc concentration was 87 mg/kg in sample IMP-S1-8, which exceeds the 86 mg/kg IAL for zinc (based on the terrestrial ecological exposure pathway) and the 85 mg/kg natural background concentration⁵. This detection is considered inconsequential for the project because 87 mg/kg is only 2 mg/kg above the natural background concentration, and all other zinc concentrations were less than 86 mg/kg IAL.

5.7. Lot Exploration Outside Landfill

Lot exploration was performed outside the landfill in the southeast portion of the Site as required under the LFCP. The purpose was to observe and confirm there was no buried landfill material in that portion of the Site. The exploration was performed, and no buried landfill material was observed. The results are provided in the Lot Exploration Plan Report, Appendix F to this report.

5.8. Landfill Material Extending Offsite

Landfill material was observed extending outside the anticipated wedge area to the west of the project during excavation in the western portion of the Site (i.e., near future residential lots 84 and/or 85 shown in Figure 3). The landfill material could not be excavated due to the presence of a wetland ("Wetland A" as identified in the LFCP). The landfill material was observed to be covered by approximately 5 feet of non-landfill material fill and/or native soil. The property owner and Ecology decided that the area could be

⁵ Natural Background Soil Metals Concentrations in Washington State, Ecology Publication No. 94-115, October 1994.

addressed by further investigation as part of the Remedial Investigation for the Site if it was evaluated to be needed, as discussed during an onsite meeting with Ecology on June 14, 2021. An RI Work Plan Addendum will be developed to investigate this area.

5.9. Deviations from the IAWP

The following were deviations from the IAWP:

- Three soil confirmation samples were to have field duplicates collected along with the parent samples. Only two field duplicates were collected due to an oversight. Therefore, a field duplicate was collected during collection of imported structural fill sampling (Section 4.7), for a total of three field duplicates to compensate for this oversight.

This deviation does not significantly impact the results of this report in our opinion.

6.0 FUTURE ACTIVITIES

An Interim Action Completion Report Addendum will be submitted to report the reconnaissance investigation of the northeast landfill slope and to complete the reporting of the characterization of the imported structural fill. Additionally, a Remedial Investigation Work Plan Addendum will be developed to evaluate sources of pesticides and the potential presence of hazardous substances in waste material beneath Wetland A.

Landfill closure activities are ongoing. A Landfill Closure Construction Quality Report will be completed for the project as required in the landfill regulations WAC 173-340-400(5)(b). Figure 5 shows the planned development layout.

Remedial investigation activities were initiated in July 2021. The results will be presented in the RI/FS report.

7.0 CLOSURE

This Interim Action Completion Report describes interim actions performed at the Go East Landfill Corp Site in 2020 and 2021 to fulfill the requirements of the LFCP and Agreed Order number DE 18121. Landfill material was excavated from the wedge area and consolidated into the main landfill. Results of the soil confirmation sampling indicate native soil under the former wedge area does not contain hazardous substances at concentrations exceeding site-specific IALs. The property is undergoing construction to close the landfill and build housing and other improvements in accordance with the LFCP.

8.0 LIMITATIONS

We have prepared this Interim Action Completion Report for P&GE LLC and Ecology for the Go East Corp Landfill Site in Everett, Washington. P&GE and Ecology may distribute copies of this report to their authorized agents and regulatory agencies as may be required for the project.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in the field of environmental consulting in this area at the time this report was prepared. The conclusions, recommendations and opinions presented in this report are based on our professional knowledge, judgment and experience. No warranty or other conditions, express or implied, should be understood.

Please refer to Appendix G titled “Report Limitations and Guidelines for Use” for additional information pertaining to use of this report.

9.0 REFERENCES

GeoEngineers, Inc. 2020. Interim Action Work Plan. Go East Landfill Corp Site. Everett, Washington. Ecology Agreed Order No. DE 18121. For Washington State Department of Ecology on Behalf of P&GE, LLC. August 10, 2020.

GeoEngineers, Inc. 2021. Remedial Investigation Work Plan. Go East Corp Landfill Site. Everett, Washington. Ecology Agreed Order No. DE 18121. For Washington State Department of Ecology on Behalf of P&GE, LLC. June 18, 2021.

PACE Engineers. 2018. Go East Landfill Closure Plan. Go East Landfill. 4330 108th Street SE. Everett, Washington 98208. Prepared for: P&GE, LLC. Revised January 2018 with updates.

Table 1
Interim Action Excavation Confirmation Soil Sample Results
 Go East Corp Landfill Site
 Everett, Washington

Parameter	Sample ID	IAEX-1-6	IAEX-14-8	IAEX-2-25	IAEX-3-25	IAEX-4-6	IAEX-22-8	IAEX-5-6	IAEX-6-30	IAEX-7-9	IAEX-20-11	IAEX-8-28	IAEX-9-30	IAEX-10-4
	Sample Date	04/27/21	4/30/2021	04/27/21	04/27/21	04/28/21	05/05/21	04/28/21	04/28/21	04/28/21	05/05/21	04/28/21	04/29/21	04/29/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	SS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline-range hydrocarbons	100	6.7 U	--	5.6 U	5.7 U	5.9 U	--	6.1 U	6.2 U	7.3 U	--	6.8 U	6.7 U	5.9 U
Diesel-range hydrocarbons	NE	29 U	--	27 U	28 U	31 U	30 U	28 U	28 U	29 U	--	28 U	29 U	28 U
Lube oil-range hydrocarbons	NE	59	--	54 U	56 U	380	59 U	55 U	56 U	59 U	--	56 U	71	61
Total (sum of) diesel & oil range hydrocarbons	260	59	--	54 U	56 U	380	59 U	55 U	56 U	59 U	--	56 U	71	61
Volatile Organic Compounds (mg/kg)														
1,1,1,2-Tetrachloroethane	38	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,1,1-Trichloroethane	1.5	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,1,2,2-Tetrachloroethane	0.001	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,1,2-Trichloroethane	0.0019	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,1-Dichloroethane	0.041	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,1-Dichloroethylene	0.044	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,1-Dichloropropene	NE	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,2,3-Trichlorobenzene	20	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,2,3-Trichloropropane	0.033	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,2,4-Trichlorobenzene	0.033	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,2,4-Trimethylbenzene	800	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,2-Dibromo-3-Chloropropane	1.3	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
1,2-Dibromoethane	0.001	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,2-Dichlorobenzene	7	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,2-Dichloroethane	0.023	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,2-Dichloropropane	0.0036	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,3,5-Trimethylbenzene	800	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,3-Dichlorobenzene	NE	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,3-Dichloropropane	NE	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
1,4-Dichlorobenzene	0.98	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
2,2-Dichloropropane	NE	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
2-Chloroethyl vinyl ether	NE	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
2-Chlorotoluene	1600	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
2-Hexanone	400	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
4-Chlorotoluene	NE	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
4-Isopropyltoluene	NE	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Acetone	29	0.014 U	--	0.015 U	0.014 U	0.013 U	--	0.014 U	0.022	0.015 U	--	0.013	0.034	0.015 U
Benzene	0.0024	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Bromobenzene	0.56	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Bromochloromethane	NE	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Bromoform	0.03	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
Bromomethane	0.05	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
Carbon Disulfide	5	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U

Parameter	Sample ID	IAEX-1-6	IAEX-14-8	IAEX-2-25	IAEX-3-25	IAEX-4-6	IAEX-22-8	IAEX-5-6	IAEX-6-30	IAEX-7-9	IAEX-20-11	IAEX-8-28	IAEX-9-30	IAEX-10-4
	Sample Date	04/27/21	4/30/2021	04/27/21	04/27/21	04/28/21	05/05/21	04/28/21	04/28/21	04/28/21	05/05/21	04/28/21	04/29/21	04/29/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	SS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
Carbon Tetrachloride	0.0017	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Chlorobenzene	0.17	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Chloroethane	NE	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
Chloroform	0.074	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Chloromethane	NE	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
cis-1,2-Dichloroethylene	0.078	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
cis-1,3-Dichloropropene	0.0011	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Dibromochloromethane	0.0032	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Dibromomethane	800	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Dichlorobromomethane	0.0038	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Dichlorodifluoromethane	16000	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Ethylbenzene	0.24	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Hexachlorobutadiene	0.033	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
Isopropylbenzene	8000	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Methyl ethyl ketone (MEK)	48000	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0061	0.0058 U	--	0.0047 U	0.0088	0.0056 U
Methyl Iodide	NE	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
Methyl isobutyl ketone	6400	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
Methyl tert-butyl ether	0.1	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Methylene Chloride	0.021	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
Naphthalene	4.5	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
n-Butylbenzene	4000	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
n-Propylbenzene	8000	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Sec-Butylbenzene	8000	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Styrene	2.2	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Tert-Butylbenzene	8000	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Tetrachloroethylene	0.024	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Toluene	0.4	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
Total Xylenes	14	0.0022 U	--	0.0022 U	0.0022 U	0.0020 U	--	0.0022 U	0.0024 U	0.0023 U	--	0.0019 U	0.0025 U	0.0022 U
trans-1,2-Dichloroethylene	0.52	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
trans-1,3-Dichloropropene	0.0011	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Trichloroethylene	0.0019	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Trichlorofluoromethane	24000	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Vinyl Acetate	33	0.0056 U	--	0.0056 U	0.0055 U	0.0050 U	--	0.0055 U	0.0060 U	0.0058 U	--	0.0047 U	0.0063 U	0.0056 U
Vinyl Chloride	0.001	0.0011 U	--	0.0011 U	0.0011 U	0.00099 U	--	0.0011 U	0.0012 U	0.0012 U	--	0.00094 U	0.0013 U	0.0011 U
Semi-Volatile Organic Compounds (mg/kg)														
1,2-Dinitrobenzene	8	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
1,2-Diphenylhydrazine	1.3	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
1,3-Dinitrobenzene	8	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
1,4-Dinitrobenzene	8	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2,3,4,6-Tetrachlorophenol	2400	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2,3,5,6-Tetrachlorophenol	NE	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2,3-Dichloroaniline	NE	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2,4,5-Trichlorophenol	4	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2,4,6-Trichlorophenol	0.033	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2,4-Dichlorophenol	0.069	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2,4-Dimethylphenol	0.7	0.048 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U

Parameter	Sample ID	IAEX-1-6	IAEX-14-8	IAEX-2-25	IAEX-3-25	IAEX-4-6	IAEX-22-8	IAEX-5-6	IAEX-6-30	IAEX-7-9	IAEX-20-11	IAEX-8-28	IAEX-9-30	IAEX-10-4
	Sample Date	04/27/21	4/30/2021	04/27/21	04/27/21	04/28/21	05/05/21	04/28/21	04/28/21	04/28/21	05/05/21	04/28/21	04/29/21	04/29/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	SS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
2,4-Dinitrophenol	0.17	0.52 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
2,4-Dinitrotoluene	0.033	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2,6-Dinitrotoluene	0.033	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2-Chloronaphthalene	6400	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2-Chlorophenol	0.18	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2-methylphenol	2.3	0.051 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2-Nitroaniline	800	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
2-Nitrophenol	NE	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
3,3'-Dichlorobenzidine	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
3+4-Methylphenol	4000	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
3-Nitroaniline	NE	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
4,6-Dinitro-2-Methylphenol	NE	0.39 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
4-Bromophenyl phenyl ether	NE	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
4-Chloro-3-Methylphenol	NE	0.045 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
4-Chloroaniline	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
4-Chlorophenyl phenyl ether	NE	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
4-Nitroaniline	320	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
4-Nitrophenol	7	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Aniline	180	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
Benzyl Alcohol	8000	0.082 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Bis(2-Chloroethoxy)Methane	NE	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Bis(2-Chloroethyl)Ether	0.033	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Bis(2-chloroisopropyl) ether	NE	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Bis(2-Ethylhexyl) Phthalate	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
Butyl benzyl Phthalate	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
Carbazole	3.7	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Di(2-ethylhexyl)adipate	NE	0.24 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
Dibenzofuran	NE	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Dibutyl Phthalate	0.28	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
Diethyl Phthalate	1.1	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
Dimethyl Phthalate	200	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Di-N-Octyl Phthalate	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
Hexachlorobenzene	0.033	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Hexachlorocyclopentadiene	4	0.087 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Hexachloroethane	0.033	0.053 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Isophorone	0.13	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Nitrobenzene	0.064	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
N-Nitrosodimethylamine	0.033	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
N-Nitrosodi-n-propylamine	0.033	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
N-Nitrosodiphenylamine	0.033	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Pentachlorophenol	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.18 U	0.19 U	0.19 U	--	0.19 U	0.19 U	0.19 U
Phenol	0.74	0.038 U	--	0.036 U	0.037 U	0.042 U	--	0.037 U	0.037 U	0.039 U	--	0.037 U	0.039 U	0.037 U
Pyridine	80	0.38 U	--	0.36 U	0.37 U	0.42 U	--	0.37 U	0.37 U	0.39 U	--	0.37 U	0.39 U	0.37 U
Polycyclic Aromatic Hydrocarbons (mg/kg)														
1-Methylnaphthalene	34	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
2-Methylnaphthalene	320	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U

Parameter	Sample ID	IAEX-1-6	IAEX-14-8	IAEX-2-25	IAEX-3-25	IAEX-4-6	IAEX-22-8	IAEX-5-6	IAEX-6-30	IAEX-7-9	IAEX-20-11	IAEX-8-28	IAEX-9-30	IAEX-10-4
	Sample Date	04/27/21	4/30/2021	04/27/21	04/27/21	04/28/21	05/05/21	04/28/21	04/28/21	04/28/21	05/05/21	04/28/21	04/29/21	04/29/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	SS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
Acenaphthene	3.1	0.014	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Acenaphthylene	NE	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Anthracene	47	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Benzo(a)anthracene	NE	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Benzo(a)pyrene	NE	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Benzo(b)fluoranthene	NE	0.0081	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Benzo(g,h,i)perylene	NE	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Benzo(j,k)fluoranthene	NE	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Chrysene	NE	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Dibenzo(a,h)anthracene	NE	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Fluoranthene	NE	0.015	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Fluorene	1.6	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Indeno(1,2,3-c,d)pyrene	NE	0.0076 U	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Naphthalene	4.5	0.0082	--	0.0072 U	0.0083	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.011	0.0074 U
Phenanthrene	NE	0.016	--	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Pyrene	0.02	0.026	0.0073 U	0.0072 U	0.0074 U	0.0084 U	--	0.0074 U	0.0075 U	0.0078 U	--	0.0075 U	0.0078 U	0.0074 U
Total cPAH TEQ (ND=0.5RL)	0.084	0.0062	--	0.0054 U	0.0056 U	0.0063 U	--	0.0056 U	0.0057 U	0.0059 U	--	0.0057 U	0.0059 U	0.0056 U
Polychlorinated Biphenyls (mg/kg)														
Total PCB Aroclors	0.05	0.057 U	--	0.054 U	0.056 U	0.063 U	--	0.055 U	0.056 U	0.058 U	--	0.056 U	0.058 U	0.056 U
Organochlorine Pesticides (mg/kg)														
4,4'-DDD	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.011 U	0.011 U	0.012 U	--	0.011 U	0.012 U	0.011 U
4,4'-DDE	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.011 U	0.011 U	0.012 U	--	0.011 U	0.012 U	0.011 U
4,4'-DDT	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.011 U	0.011 U	0.012 U	--	0.011 U	0.012 U	0.011 U
Aldrin	0.005	0.0057 U	--	0.0054 U	0.0056 U	0.0063 U	--	0.0055 U	0.0056 U	0.0058 U	--	0.0056 U	0.0058 U	0.0056 U
Alpha-BHC	0.005	0.0057 U	--	0.0054 U	0.0056 U	0.0063 U	--	0.0055 U	0.0056 U	0.0058 U	--	0.0056 U	0.0058 U	0.0056 U
Beta-BHC	0.005	0.0057 U	--	0.0054 U	0.0056 U	0.0063 U	--	0.0055 U	0.0056 U	0.0058 U	--	0.0056 U	0.0058 U	0.0056 U
cis-Chlordane	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.011 U	0.011 U	0.012 U	--	0.011 U	0.012 U	0.011 U
trans-Chlordane	0.005	0.0057 U	--	0.0054 U	0.0056 U	0.0084	0.0060 U	0.0055 U	0.0056 U	0.0058 U	--	0.0056 U	0.0058 U	0.0056 U
Chlordane (Total)	NE	0.011 U	--	0.011 U	0.011 U	0.0084	0.0060 U	0.011 U	0.011 U	0.012 U	--	0.011 U	0.012 U	0.011 U
Delta-BHC	6	0.0057 U	--	0.0054 U	0.0056 U	0.0063 U	--	0.0055 U	0.0056 U	0.0058 U	--	0.0056 U	0.0058 U	0.0056 U
Dieldrin	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.011 U	0.011 U	0.012 U	--	0.011 U	0.012 U	0.011 U
Endosulfan I	0.005	0.0057 U	--	0.0054 U	0.0056 U	0.0063 U	--	0.0055 U	0.0056 U	0.0058 U	--	0.0056 U	0.0058 U	0.0056 U
Endosulfan II	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.011 U	0.011 U	0.012 U	--	0.011 U	0.012 U	0.011 U
Endosulfan Sulfate	480	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.011 U	0.011 U	0.012 U	--	0.011 U	0.012 U	0.011 U
Endrin	0.005	0.0057 U	--	0.0054 U	0.0056 U	0.0063 U	--	0.0055 U	0.0056 U	0.0058 U	--	0.0056 U	0.0058 U	0.0056 U
Endrin Aldehyde	NE	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.011 U	0.011 U	0.012 U	--	0.011 U	0.012 U	0.011 U
Endrin Ketone	NE	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.011 U	0.011 U	0.012 U	--	0.011 U	0.012 U	0.011 U
Gamma-BHC	0.005	0.0057 U	--	0.0054 U	0.0056 U	0.0063 U	--	0.0055 U	0.0056 U	0.0058 U	--	0.0056 U	0.0058 U	0.0056 U
Heptachlor	0.005	0.0057 U	--	0.0054 U	0.0056 U	0.0063 U	--	0.0055 U	0.0056 U	0.0058 U	--	0.0056 U	0.0058 U	0.0056 U
Heptachlor Epoxide	0.005	0.0057 U	--	0.0054 U	0.0056 U	0.0063 U	--	0.0055 U	0.0056 U	0.0058 U	--	0.0056 U	0.0058 U	0.0056 U
Methoxychlor	0.032	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.011 U	0.011 U	0.012 U	--	0.011 U	0.012 U	0.011 U
Toxaphene	0.05	0.057 U	--	0.054 U	0.056 U	0.063 U	--	0.055 U	0.056 U	0.058 U	--	0.056 U	0.058 U	0.056 U
Chlorinated Acid Hericides (mg/kg)														
2,4,5-T	800	0.011 U	--	0.01 U	0.011 U	0.012 U	--	0.01 U	0.011 U	0.011 U	--	0.011 U	0.011 U	0.011 U
2,4,5-TP	640	0.011 U	--	0.01 U	0.011 U	0.012 U	--	0.011 U	0.011 U	0.011 U	--	0.011 U	0.011 U	0.011 U

Parameter	Sample ID	IAEX-1-6	IAEX-14-8	IAEX-2-25	IAEX-3-25	IAEX-4-6	IAEX-22-8	IAEX-5-6	IAEX-6-30	IAEX-7-9	IAEX-20-11	IAEX-8-28	IAEX-9-30	IAEX-10-4
	Sample Date	04/27/21	4/30/2021	04/27/21	04/27/21	04/28/21	05/05/21	04/28/21	04/28/21	04/28/21	05/05/21	04/28/21	04/29/21	04/29/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	SS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soil Interim Action Level														
2,4-D	800	0.011 U	--	0.01 U	0.01 U	0.012 U	--	0.01 U	0.011 U	0.011 U	--	0.011 U	0.011 U	0.01 U
2,4-DB	2400	0.011 U	--	0.01 U	0.011 U	0.012 U	--	0.01 U	0.011 U	0.011 U	--	0.011 U	0.011 U	0.011 U
Dalapon	2400	0.21 U	--	0.2 U	0.2 U	0.23 U	--	0.2 U	0.21 U	0.21 U	--	0.21 U	0.21 U	0.2 U
Dicamba	2400	0.011 U	--	0.01 U	0.01 U	0.012 U	--	0.01 U	0.011 U	0.011 U	--	0.011 U	0.011 U	0.01 U
Dichlorprop	NE	0.081 U	--	0.076 U	0.079 U	0.089 U	--	0.078 U	0.079 U	0.083 U	--	0.079 U	0.083 U	0.079 U
Dinoseb	80	0.011 U	--	0.01 U	0.011 U	0.012 U	--	0.01 U	0.011 U	0.011 U	--	0.011 U	0.011 U	0.011 U
MCPA	40	2.7 U	--	2.5 U	2.6 U	2.9 U	--	2.6 U	2.6 U	2.7 U	--	2.6 U	2.7 U	2.6 U
MCPD	80	1.1 U	--	1 U	1 U	1.2 U	--	1 U	1 U	1.1 U	--	1 U	1.1 U	1 U
Metals (mg/kg)														
Arsenic	20	11 U	--	11 U	11 U	13 U	--	11 U	11 U	12 U	--	11 U	12 U	11 U
Cadmium	0.8	0.57 U	--	0.54 U	0.56 U	0.63 U	--	0.55 U	0.56 U	0.58 U	--	0.56 U	0.58 U	0.56 U
Chromium	48	26	--	27	26	33	--	24	27	27	--	30	26	29
Copper	36	12	--	11	9.9	13	--	6.6	10	5.6	--	10	16	12
Lead	50	15	--	5.4 U	5.6 U	6.3 U	--	5.5 U	5.6 U	5.8 U	--	5.6 U	10	8.4
Mercury	0.07	0.037	--	0.025	0.026	0.026	--	0.051	0.024	0.03	--	0.020 U	0.031	0.024
Nickel	48	45	--	44	43	50	See note 4	37	44	48	--	46	45	52
Selenium	0.8	0.57 U	--	0.54 U	0.56 U	0.63 U	--	0.55 U	0.56 U	0.58 U	--	0.56 U	0.58 U	0.56 U
Zinc	86	32	--	24	26	28	--	28	31	330	42	35	39	36

Parameter	Sample ID	IAEX-11-4	IAEX-12-2	IAEX-13-3	IAEX-15-2	IAEX-16-15	IAEX-17-35	IAEX-18-35	IAEX-19-1	IAEX-38-3	IAEX-21-6	IAEX-23-3	IAEX-24-35	IAEX-25-5
	Sample Date	04/29/21	4/30/2021	4/30/2021	4/30/2021	05/04/21	05/04/21	05/04/21	05/04/21	05/11/21	05/05/21	05/05/21	05/05/21	05/06/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline-range hydrocarbons	100	6.9 U	5.7 U	6.4 U	6.1 U	6.1 U	5.7 U	5.6 U	5.9 U	--	5.9 U	5.7 U	6.2 U	6.7 U
Diesel-range hydrocarbons	NE	28 U	27 U	27 U	28 U	28 U	28 U	28 U	27 U	--	27 U	30 U	27 U	32 U
Lube oil-range hydrocarbons	NE	57 U	54 U	54 U	55 U	57 U	55 U	55 U	54 U	--	55 U	60 U	54 U	63 U
Total (sum of) diesel & oil range hydrocarbons	260	57 U	54 U	54 U	55 U	57 U	55 U	55 U	54 U	--	55 U	60 U	54 U	63 U
Volatile Organic Compounds (mg/kg)														
1,1,1,2-Tetrachloroethane	38	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,1,1-Trichloroethane	1.5	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,1,2,2-Tetrachloroethane	0.001	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	0.0019	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.041	0.0012 U	0.0014 U	0.0015 U	0.0016 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,1-Dichloroethylene	0.044	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,1-Dichloropropene	NE	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,2,3-Trichlorobenzene	20	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,2,3-Trichloropropane	0.033	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,2,4-Trichlorobenzene	0.033	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,2,4-Trimethylbenzene	800	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,2-Dibromo-3-Chloropropane	1.3	0.006 U	0.0053 U	0.006 U	0.006 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
1,2-Dibromoethane	0.001	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	7	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.023	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,2-Dichloropropane	0.0036	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,3,5-Trimethylbenzene	800	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	NE	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,3-Dichloropropane	NE	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	0.98	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
2,2-Dichloropropane	NE	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
2-Chloroethyl vinyl ether	NE	0.006 U	0.0067 U	0.0075 U	0.0075 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
2-Chlorotoluene	1600	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
2-Hexanone	400	0.006 U	0.0053 U	0.006 U	0.006 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
4-Chlorotoluene	NE	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
4-Isopropyltoluene	NE	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0095	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Acetone	29	0.016 U	0.016 U	0.018 U	0.018 U	0.017 U	0.036	0.023	0.016 U	--	0.011 U	0.010 U	0.014	0.015 U
Benzene	0.0024	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Bromobenzene	0.56	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Bromochloromethane	NE	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Bromoform	0.03	0.006 U	0.0053 U	0.006 U	0.006 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
Bromomethane	0.05	0.006 U	0.0053 U	0.006 U	0.006 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
Carbon Disulfide	5	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0021	0.0011 U

Parameter	Sample ID	IAEX-11-4	IAEX-12-2	IAEX-13-3	IAEX-15-2	IAEX-16-15	IAEX-17-35	IAEX-18-35	IAEX-19-1	IAEX-38-3	IAEX-21-6	IAEX-23-3	IAEX-24-35	IAEX-25-5
	Sample Date	04/29/21	4/30/2021	4/30/2021	4/30/2021	05/04/21	05/04/21	05/04/21	05/04/21	05/11/21	05/05/21	05/05/21	05/05/21	05/06/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
Carbon Tetrachloride	0.0017	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Chlorobenzene	0.17	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Chloroethane	NE	0.006 U	0.0053 U	0.006 U	0.006 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
Chloroform	0.074	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Chloromethane	NE	0.006 U	0.0069 U	0.0077 U	0.0078 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
cis-1,2-Dichloroethylene	0.078	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
cis-1,3-Dichloropropene	0.0011	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Dibromochloromethane	0.0032	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Dibromomethane	800	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Dichlorobromomethane	0.0038	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Dichlorodifluoromethane	16000	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0014 U	0.0013 U	0.0014 U	0.0011 U
Ethylbenzene	0.24	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Hexachlorobutadiene	0.033	0.006 U	0.0053 U	0.006 U	0.006 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
Isopropylbenzene	8000	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Methyl ethyl ketone (MEK)	48000	0.006 U	0.0053 U	0.006 U	0.006 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
Methyl Iodide	NE	0.006 U	0.0053 U	0.006 U	0.006 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
Methyl isobutyl ketone	6400	0.006 U	0.0053 U	0.006 U	0.006 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
Methyl tert-butyl ether	0.1	0.0012 U	0.0014 U	0.0015 U	0.0016 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Methylene Chloride	0.021	0.006 U	0.0069 U	0.0077 U	0.0078 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
Naphthalene	4.5	0.006 U	0.0053 U	0.006 U	0.006 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
n-Butylbenzene	4000	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
n-Propylbenzene	8000	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Sec-Butylbenzene	8000	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Styrene	2.2	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Tert-Butylbenzene	8000	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Tetrachloroethylene	0.024	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Toluene	0.4	0.006 U	0.0053 U	0.006 U	0.006 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
Total Xylenes	14	0.0024 U	0.0021 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U	0.0029 U	0.0023 U	--	0.0021 U	0.0020 U	0.0022 U	0.0022 U
trans-1,2-Dichloroethylene	0.52	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
trans-1,3-Dichloropropene	0.0011	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Trichloroethylene	0.0019	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Trichlorofluoromethane	24000	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Vinyl Acetate	33	0.006 U	0.0068 U	0.0076 U	0.0076 U	0.006 U	0.0061 U	0.0072 U	0.0057 U	--	0.0053 U	0.0051 U	0.0056 U	0.0055 U
Vinyl Chloride	0.001	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	--	0.0011 U	0.0010 U	0.0011 U	0.0011 U
Semi-Volatile Organic Compounds (mg/kg)														
1,2-Dinitrobenzene	8	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
1,2-Diphenylhydrazine	1.3	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
1,3-Dinitrobenzene	8	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
1,4-Dinitrobenzene	8	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2,3,4,6-Tetrachlorophenol	2400	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2,3,5,6-Tetrachlorophenol	NE	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2,3-Dichloroaniline	NE	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2,4,5-Trichlorophenol	4	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2,4,6-Trichlorophenol	0.033	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2,4-Dichlorophenol	0.069	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2,4-Dimethylphenol	0.7	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U

Parameter	Sample ID	IAEX-11-4	IAEX-12-2	IAEX-13-3	IAEX-15-2	IAEX-16-15	IAEX-17-35	IAEX-18-35	IAEX-19-1	IAEX-38-3	IAEX-21-6	IAEX-23-3	IAEX-24-35	IAEX-25-5
	Sample Date	04/29/21	4/30/2021	4/30/2021	4/30/2021	05/04/21	05/04/21	05/04/21	05/04/21	05/11/21	05/05/21	05/05/21	05/05/21	05/06/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
2,4-Dinitrophenol	0.17	0.19 U	0.18 U	0.18 U	0.18 U	0.44 U	0.43 U	0.43 U	0.42 U	--	0.42 U	0.46 U	0.42 U	0.21 U
2,4-Dinitrotoluene	0.033	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2,6-Dinitrotoluene	0.033	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2-Chloronaphthalene	6400	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2-Chlorophenol	0.18	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2-methylphenol	2.3	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2-Nitroaniline	800	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
2-Nitrophenol	NE	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
3,3'-Dichlorobenzidine	0.17	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	--	0.18 U	0.20 U	0.18 U	0.21 U
3+4-Methylphenol	4000	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
3-Nitroaniline	NE	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
4,6-Dinitro-2-Methylphenol	NE	0.19 U	0.18 U	0.18 U	0.18 U	0.3 U	0.29 U	0.29 U	0.29 U	--	0.29 U	0.32 U	0.29 U	0.21 U
4-Bromophenyl phenyl ether	NE	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
4-Chloro-3-Methylphenol	NE	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
4-Chloroaniline	0.17	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	--	0.18 U	0.20 U	0.18 U	0.21 U
4-Chlorophenyl phenyl ether	NE	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
4-Nitroaniline	320	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
4-Nitrophenol	7	0.038 U	0.049	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.084 U
Aniline	180	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	--	0.18 U	0.20 U	0.18 U	0.21 U
Benzyl Alcohol	8000	0.038 U	0.046	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.042	--	0.037 U	0.040 U	0.036 U	0.042 U
Bis(2-Chloroethoxy)Methane	NE	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
Bis(2-Chloroethyl)Ether	0.033	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
Bis(2-chloroisopropyl) ether	NE	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
Bis(2-Ethylhexyl) Phthalate	0.17	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	--	0.18 U	0.20 U	0.18 U	0.21 U
Butyl benzyl Phthalate	0.17	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	--	0.18 U	0.20 U	0.18 U	0.21 U
Carbazole	3.7	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
Di(2-ethylhexyl)adipate	NE	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	--	0.18 U	0.20 U	0.18 U	0.21 U
Dibenzofuran	NE	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
Dibutyl Phthalate	0.28	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	--	0.18 U	0.20 U	0.18 U	0.21 U
Diethyl Phthalate	1.1	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	--	0.18 U	0.20 U	0.18 U	0.21 U
Dimethyl Phthalate	200	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
Di-N-Octyl Phthalate	0.17	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	--	0.18 U	0.20 U	0.18 U	0.21 U
Hexachlorobenzene	0.033	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
Hexachlorocyclopentadiene	4	0.038 U	0.036 U	0.036 U	0.037 U	0.057 U	0.055 U	0.055 U	0.054 U	--	0.055 U	0.060 U	0.054 U	0.042 U
Hexachloroethane	0.033	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
Isophorone	0.13	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
Nitrobenzene	0.064	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
N-Nitrosodimethylamine	0.033	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
N-Nitrosodi-n-propylamine	0.033	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
N-Nitrosodiphenylamine	0.033	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
Pentachlorophenol	0.17	0.19 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.18 U	0.18 U	--	0.18 U	0.20 U	0.18 U	0.21 U
Phenol	0.74	0.038 U	0.036 U	0.036 U	0.037 U	0.038 U	0.037 U	0.037 U	0.036 U	--	0.037 U	0.040 U	0.036 U	0.042 U
Pyridine	80	0.38 U	0.36 U	0.36 U	0.37 U	0.38 U	0.37 U	0.37 U	0.36 U	--	0.37 U	0.40 U	0.36 U	0.42 U
Polycyclic Aromatic Hydrocarbons (mg/kg)														
1-Methylnaphthalene	34	0.0076 U	0.0072 U	0.054	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.0072 U	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U
2-Methylnaphthalene	320	0.0076 U	0.0072 U	0.13	0.0074 U	0.0075 U	0.0073 U	0.0095	0.0072 U	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U

Parameter	Sample ID	IAEX-11-4	IAEX-12-2	IAEX-13-3	IAEX-15-2	IAEX-16-15	IAEX-17-35	IAEX-18-35	IAEX-19-1	IAEX-38-3	IAEX-21-6	IAEX-23-3	IAEX-24-35	IAEX-25-5	
	Sample Date	04/29/21	4/30/2021	4/30/2021	4/30/2021	05/04/21	05/04/21	05/04/21	05/04/21	05/04/21	05/11/21	05/05/21	05/05/21	05/05/21	05/06/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level														
Acenaphthene	3.1	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0076	0.0072 U	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Acenaphthylene	NE	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.0072 U	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Anthracene	47	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.015	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Benzo(a)anthracene	NE	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.03	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Benzo(a)pyrene	NE	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.044	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Benzo(b)fluoranthene	NE	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.083	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Benzo(g,h,i)perylene	NE	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.027	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Benzo(j,k)fluoranthene	NE	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.023	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Chrysene	NE	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.034	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Dibenzo(a,h)anthracene	NE	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.0077	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Fluoranthene	NE	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0096	0.017	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Fluorene	1.6	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.0072 U	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Indeno(1,2,3-c,d)pyrene	NE	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.0074 U	0.032	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Naphthalene	4.5	0.0076 U	0.0072 U	0.18	0.0074 U	0.0075 U	0.0073 U	0.028	0.0072 U	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Phenanthrene	NE	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.017	0.0072 U	--	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Pyrene	0.02	0.0076 U	0.0072 U	0.0072 U	0.0074 U	0.0075 U	0.0073 U	0.011	0.023	0.0072 U	0.0073 U	0.0080 U	0.0072 U	0.0084 U	
Total cPAH TEQ (ND=0.5RL)	0.084	0.0057 U	0.0054 U	0.0054 U	0.0056 U	0.0057 U	0.0055 U	0.0056 U	0.062	--	0.0055 U	0.0060 U	0.0054 U	0.0063 U	

Total PCB Aroclors	0.05	0.057 U	0.054 U	0.054 U	0.055 U	0.057 U	0.055 U	0.055 U	0.054 U	--	0.055 U	0.060 U	0.054 U	0.063 U
Organochlorine Pesticides (mg/kg)														
4,4'-DDD	0.01	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	--	0.011 U	0.012 U	0.011 U	0.013 U
4,4'-DDE	0.01	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	--	0.011 U	0.012 U	0.011 U	0.013 U
4,4'-DDT	0.01	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	--	0.011 U	0.012 U	0.011 U	0.013 U
Aldrin	0.005	0.0057 U	0.0054 U	0.0054 U	0.0055 U	0.0057 U	0.0055 U	0.0055 U	0.0054 U	--	0.0055 U	0.0060 U	0.0054 U	0.0063 U
Alpha-BHC	0.005	0.0057 U	0.0054 U	0.0054 U	0.0055 U	0.0057 U	0.0055 U	0.0055 U	0.0054 U	--	0.0055 U	0.0060 U	0.0054 U	0.0063 U
Beta-BHC	0.005	0.0057 U	0.0054 U	0.0054 U	0.0055 U	0.0057 U	0.0055 U	0.0055 U	0.0054 U	--	0.0055 U	0.0060 U	0.0054 U	0.0063 U
cis-Chlordane	0.01	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	--	0.011 U	0.012 U	0.011 U	0.013 U
trans-Chlordane	0.005	0.0057 U	0.011 U	0.011 U	0.011 U	0.0057 U	0.0055 U	0.0055 U	0.0054 U	--	0.0055 U	0.0060 U	0.0054 U	0.0063 U
Chlordane (Total)	NE	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	--	0.011 U	0.012 U	0.011 U	0.013 U
Delta-BHC	6	0.0057 U	0.0054 U	0.0054 U	0.0055 U	0.0057 U	0.0055 U	0.0055 U	0.0054 U	--	0.0055 U	0.0060 U	0.0054 U	0.0063 U
Dieldrin	0.01	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	--	0.011 U	0.012 U	0.011 U	0.013 U
Endosulfan I	0.005	0.0057 U	0.0054 U	0.0054 U	0.0055 U	0.0057 U	0.0055 U	0.0055 U	0.0054 U	--	0.0055 U	0.0060 U	0.0054 U	0.0063 U
Endosulfan II	0.01	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	--	0.011 U	0.012 U	0.011 U	0.013 U
Endosulfan Sulfate	480	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	--	0.011 U	0.012 U	0.011 U	0.013 U
Endrin	0.005	0.0057 U	0.011 U	0.011 U	0.011 U	0.011 U	0.0055 U	0.0055 U	0.0054 U	--	0.0055 U	0.0060 U	0.0054 U	0.0063 U
Endrin Aldehyde	NE	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	--	0.011 U	0.012 U	0.011 U	0.013 U
Endrin Ketone	NE	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	--	0.011 U	0.012 U	0.011 U	0.013 U
Gamma-BHC	0.005	0.0057 U	0.0054 U	0.0054 U	0.0055 U	0.0057 U	0.0055 U	0.0055 U	0.0054 U	--	0.0055 U	0.0060 U	0.0054 U	0.0063 U
Heptachlor	0.005	0.0057 U	0.0054 U	0.0054 U	0.0055 U	0.0057 U	0.0055 U	0.0055 U	0.0054 U	--	0.0055 U	0.0060 U	0.0054 U	0.0063 U
Heptachlor Epoxide	0.005	0.0057 U	0.0054 U	0.0054 U	0.0055 U	0.0057 U	0.0055 U	0.0055 U	0.0054 U	--	0.0055 U	0.0060 U	0.0054 U	0.0063 U
Methoxychlor	0.032	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	--	0.011 U	0.012 U	0.011 U	0.013 U
Toxaphene	0.05	0.057 U	0.054 U	0.054 U	0.055 U	0.057 U	0.055 U	0.055 U	0.054 U	--	0.055 U	0.06 U	0.054 U	0.063 U
Chlorinated Acid Hericides (mg/kg)														
2,4,5-T	800	0.011 U	0.021 U	0.021 U	0.021 U	0.011 U	0.01 U	0.01 U	0.01 U	--	0.01 U	0.011 U	0.01 U	0.012 U
2,4,5-TP	640	0.011 U	0.01 U	0.01 U	0.011 U	0.011 U	0.01 U	0.01 U	0.01 U	--	0.01 U	0.011 U	0.01 U	0.012 U

Parameter	Sample ID	IAEX-11-4	IAEX-12-2	IAEX-13-3	IAEX-15-2	IAEX-16-15	IAEX-17-35	IAEX-18-35	IAEX-19-1	IAEX-38-3	IAEX-21-6	IAEX-23-3	IAEX-24-35	IAEX-25-5
	Sample Date	04/29/21	4/30/2021	4/30/2021	4/30/2021	05/04/21	05/04/21	05/04/21	05/04/21	05/11/21	05/05/21	05/05/21	05/05/21	05/06/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
2,4-D	800	0.011 U	0.02 U	0.02 U	0.021 U	0.011 U	0.01 U	0.01 U	0.01 U	-	0.01 U	0.011 U	0.01 U	0.012 U
2,4-DB	2400	0.011 U	0.021 U	0.021 U	0.021 U	0.011 U	0.01 U	0.01 U	0.01 U	-	0.01 U	0.011 U	0.01 U	0.012 U
Dalapon	2400	0.21 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.11 U	0.099 U	0.23 U
Dicamba	2400	0.011 U	0.01 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U	0.01 U	-	0.01 U	0.011 U	0.01 U	0.012 U
Dichlorprop	NE	0.08 U	0.077 U	0.077 U	0.078 U	0.08 U	0.078 U	0.078 U	0.077 U	-	0.078 U	0.085 U	0.077 U	0.089 U
Dinoseb	80	0.011 U	0.01 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U	0.01 U	-	0.01 U	0.011 U	0.01 U	0.012 U
MCPA	40	2.7 U	2.5 U	2.5 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	-	2.6 U	2.8 U	2.5 U	3 U
MCPD	80	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	-	1 U	1.1 U	1 U	1.2 U
Metals (mg/kg)														
Arsenic	20	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	-	11 U	12 U	11 U	13 U
Cadmium	0.8	0.57 U	0.54 U	0.54 U	0.55 U	0.57 U	0.55 U	0.55 U	0.54 U	-	0.55 U	0.60 U	0.54 U	0.63 U
Chromium	48	25	22	25	22	24	27	26	20	-	28	25	22	30
Copper	36	14	9.3	11	11	10	15	12	8.7	-	9.8	7.8	9.8	6.9
Lead	50	5.7 U	5.4 U	5.4 U	5.5 U	5.7 U	5.5 U	11	5.4 U	-	5.5 U	6.0 U	5.4 U	6.3 U
Mercury	0.07	0.022	0.017	0.021	0.026	0.023 U	0.047	0.032	0.022 U	-	0.04	0.024 U	0.022	0.022 U
Nickel	48	55	47	50	42	45	60	48	38	-	42	42	45	34
Selenium	0.8	0.57 U	0.54 U	0.54 U	0.55 U	0.57 U	0.55 U	0.55 U	0.54 U	-	0.55 U	0.60 U	0.54 U	0.63 U
Zinc	86	31	25	29	26	26	30	33	25	-	24	21	31	21

Parameter	Sample ID	IAEX-26-3	IAEX-27-25	IAEX-28-28	IAEX-29-25	IAEX-30-30	IAEX-31-3	IAEX-32-5	IAEX-33-2	IAEX-34-2	DUP-210511	IAEX-35-2	IAEX-36-2	IAEX-37-2	
	Sample Date	05/06/21	05/07/21	05/07/21	05/07/21	05/07/21	05/10/21	05/10/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level														
Total Petroleum Hydrocarbons (mg/kg)															
Gasoline-range hydrocarbons	100	6.9 U	6.8 U	6.6 U	5.4 U	5.7 U	5.9 U	5.2 U	6.9 U	5.8 U	6 U	6 U	7.2 U	6.2 U	
Diesel-range hydrocarbons	NE	30 U	27 U	28 U	27 U	28 U	27 U	27 U	30 U	27 U	27 U	29 U	31 U	28 U	
Lube oil-range hydrocarbons	NE	60 U	55 U	56 U	53 U	56 U	54 U	53 U	59 U	53 U	54 U	59 U	62 U	56 U	
Total (sum of) diesel & oil range hydrocarbons	260	60 U	55 U	56 U	53 U	56 U	54 U	53 U	59 U	53 U	54 U	59 U	62 U	56 U	
Volatile Organic Compounds (mg/kg)															
1,1,1,2-Tetrachloroethane	38	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,1,1-Trichloroethane	1.5	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,1,2,2-Tetrachloroethane	0.001	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,1,2-Trichloroethane	0.0019	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,1-Dichloroethane	0.041	0.0011 U	0.0015 U	0.0017 U	0.0022 U	0.0018 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,1-Dichloroethylene	0.044	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,1-Dichloropropene	NE	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,2,3-Trichlorobenzene	20	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,2,3-Trichloropropane	0.033	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,2,4-Trichlorobenzene	0.033	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,2,4-Trimethylbenzene	800	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,2-Dibromo-3-Chloropropane	1.3	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
1,2-Dibromoethane	0.001	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,2-Dichlorobenzene	7	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,2-Dichloroethane	0.023	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,2-Dichloropropane	0.0036	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,3,5-Trimethylbenzene	800	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,3-Dichlorobenzene	NE	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,3-Dichloropropane	NE	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
1,4-Dichlorobenzene	0.98	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
2,2-Dichloropropane	NE	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
2-Chloroethyl vinyl ether	NE	0.0053 U	0.0074 U	0.0083 U	0.011 U	0.0092 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
2-Chlorotoluene	1600	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
2-Hexanone	400	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
4-Chlorotoluene	NE	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
4-Isopropyltoluene	NE	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Acetone	29	0.015 U	0.017 U	0.019 U	0.025 U	0.021 U	0.011 U	0.012 U	0.01 U	0.012 U	0.011 U	0.011 U	0.06	0.012 U	
Benzene	0.0024	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Bromobenzene	0.56	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Bromochloromethane	NE	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Bromoform	0.03	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
Bromomethane	0.05	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
Carbon Disulfide	5	0.0011 U	0.0015 U	0.0017 U	0.0022 U	0.0018 U	0.0016 U	0.0018 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	

Parameter	Sample ID	IAEX-26-3	IAEX-27-25	IAEX-28-28	IAEX-29-25	IAEX-30-30	IAEX-31-3	IAEX-32-5	IAEX-33-2	IAEX-34-2	DUP-210511	IAEX-35-2	IAEX-36-2	IAEX-37-2	
	Sample Date	05/06/21	05/07/21	05/07/21	05/07/21	05/07/21	05/10/21	05/10/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level														
Carbon Tetrachloride	0.0017	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Chlorobenzene	0.17	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Chloroethane	NE	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
Chloroform	0.074	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Chloromethane	NE	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
cis-1,2-Dichloroethylene	0.078	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
cis-1,3-Dichloropropene	0.0011	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Dibromochloromethane	0.0032	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Dibromomethane	800	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Dichlorobromomethane	0.0038	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Dichlorodifluoromethane	16000	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Ethylbenzene	0.24	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Hexachlorobutadiene	0.033	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
Isopropylbenzene	8000	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Methyl ethyl ketone (MEK)	48000	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0092	0.0058 U	
Methyl Iodide	NE	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0097 U	0.011 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
Methyl isobutyl ketone	6400	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
Methyl tert-butyl ether	0.1	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Methylene Chloride	0.021	0.0053 U	0.0075 U	0.0085 U	0.011 U	0.0094 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
Naphthalene	4.5	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
n-Butylbenzene	4000	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
n-Propylbenzene	8000	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Sec-Butylbenzene	8000	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Styrene	2.2	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Tert-Butylbenzene	8000	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Tetrachloroethylene	0.024	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Toluene	0.4	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
Total Xylenes	14	0.0021 U	0.0023 U	0.0026 U	0.0033 U	0.0028 U	0.0022 U	0.0023 U	0.0021 U	0.0023 U	0.0023 U	0.0022 U	0.0023 U	0.0023 U	
trans-1,2-Dichloroethylene	0.52	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
trans-1,3-Dichloropropene	0.0011	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Trichloroethylene	0.0019	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Trichlorofluoromethane	24000	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Vinyl Acetate	33	0.0053 U	0.0057 U	0.0064 U	0.0084 U	0.0071 U	0.0054 U	0.0058 U	0.0052 U	0.0058 U	0.0057 U	0.0054 U	0.0058 U	0.0058 U	
Vinyl Chloride	0.001	0.0011 U	0.0011 U	0.0013 U	0.0017 U	0.0014 U	0.0011 U	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	
Semi-Volatile Organic Compounds (mg/kg)															
1,2-Dinitrobenzene	8	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
1,2-Diphenylhydrazine	1.3	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
1,3-Dinitrobenzene	8	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
1,4-Dinitrobenzene	8	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2,3,4,6-Tetrachlorophenol	2400	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2,3,5,6-Tetrachlorophenol	NE	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2,3-Dichloroaniline	NE	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2,4,5-Trichlorophenol	4	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2,4,6-Trichlorophenol	0.033	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2,4-Dichlorophenol	0.069	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2,4-Dimethylphenol	0.7	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	

Parameter	Sample ID	IAEX-26-3	IAEX-27-25	IAEX-28-28	IAEX-29-25	IAEX-30-30	IAEX-31-3	IAEX-32-5	IAEX-33-2	IAEX-34-2	DUP-210511	IAEX-35-2	IAEX-36-2	IAEX-37-2	
	Sample Date	05/06/21	05/07/21	05/07/21	05/07/21	05/07/21	05/10/21	05/10/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level														
2,4-Dinitrophenol	0.17	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.28 U	0.28 U	0.31 U	0.28 U	0.28 U	0.31 U	0.32 U	0.29 U	
2,4-Dinitrotoluene	0.033	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2,6-Dinitrotoluene	0.033	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2-Chloronaphthalene	6400	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2-Chlorophenol	0.18	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2-methylphenol	2.3	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2-Nitroaniline	800	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
2-Nitrophenol	NE	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
3,3'-Dichlorobenzidine	0.17	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.2 U	0.21 U	0.19 U	
3+4-Methylphenol	4000	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
3-Nitroaniline	NE	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
4,6-Dinitro-2-Methylphenol	NE	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.24 U	0.24 U	0.27 U	0.24 U	0.24 U	0.27 U	0.28 U	0.25 U	
4-Bromophenyl phenyl ether	NE	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
4-Chloro-3-Methylphenol	NE	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
4-Chloroaniline	0.17	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.2 U	0.21 U	0.19 U	
4-Chlorophenyl phenyl ether	NE	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
4-Nitroaniline	320	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
4-Nitrophenol	7	0.080 U	0.073 U	0.075 U	0.071 U	0.074 U	0.048 U	0.047 U	0.052 U	0.047 U	0.047 U	0.052 U	0.055 U	0.049 U	
Aniline	180	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.2 U	0.21 U	0.19 U	
Benzyl Alcohol	8000	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.046	0.037 U	
Bis(2-Chloroethoxy)Methane	NE	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
Bis(2-Chloroethyl)Ether	0.033	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
Bis(2-chloroisopropyl) ether	NE	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
Bis(2-Ethylhexyl) Phthalate	0.17	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.2 U	0.21 U	0.19 U	
Butyl benzyl Phthalate	0.17	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.2 U	0.21 U	0.19 U	
Carbazole	3.7	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
Di(2-ethylhexyl)adipate	NE	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.2 U	0.21 U	0.19 U	
Dibenzofuran	NE	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
Dibutyl Phthalate	0.28	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.2 U	0.21 U	0.19 U	
Diethyl Phthalate	1.1	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.2 U	0.21 U	0.19 U	
Dimethyl Phthalate	200	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
Di-N-Octyl Phthalate	0.17	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.2 U	0.21 U	0.19 U	
Hexachlorobenzene	0.033	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
Hexachlorocyclopentadiene	4	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.055 U	0.059 U	0.053 U	
Hexachloroethane	0.033	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
Isophorone	0.13	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
Nitrobenzene	0.064	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
N-Nitrosodimethylamine	0.033	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
N-Nitrosodi-n-propylamine	0.033	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
N-Nitrosodiphenylamine	0.033	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
Pentachlorophenol	0.17	0.20 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.2 U	0.21 U	0.19 U	
Phenol	0.74	0.040 U	0.037 U	0.037 U	0.036 U	0.037 U	0.036 U	0.035 U	0.04 U	0.036 U	0.036 U	0.039 U	0.041 U	0.037 U	
Pyridine	80	0.40 U	0.37 U	0.37 U	0.36 U	0.37 U	0.36 U	0.35 U	0.4 U	0.36 U	0.36 U	0.39 U	0.41 U	0.37 U	
Polycyclic Aromatic Hydrocarbons (mg/kg)															
1-Methylnaphthalene	34	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
2-Methylnaphthalene	320	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	

Parameter	Sample ID	IAEX-26-3	IAEX-27-25	IAEX-28-28	IAEX-29-25	IAEX-30-30	IAEX-31-3	IAEX-32-5	IAEX-33-2	IAEX-34-2	DUP-210511	IAEX-35-2	IAEX-36-2	IAEX-37-2	
	Sample Date	05/06/21	05/07/21	05/07/21	05/07/21	05/07/21	05/10/21	05/10/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level														
Acenaphthene	3.1	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0081	0.0097	0.0074 U	
Acenaphthylene	NE	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Anthracene	47	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Benzo(a)anthracene	NE	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Benzo(a)pyrene	NE	0.0080 U	0.0073 U	0.014	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Benzo(b)fluoranthene	NE	0.0080 U	0.0073 U	0.012	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Benzo(g,h,i)perylene	NE	0.0080 U	0.0073 U	0.015	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Benzo(j,k)fluoranthene	NE	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Chrysene	NE	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Dibenzo(a,h)anthracene	NE	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Fluoranthene	NE	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Fluorene	1.6	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Indeno(1,2,3-c,d)pyrene	NE	0.0080 U	0.0073 U	0.014	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Naphthalene	4.5	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Phenanthrene	NE	0.0080 U	0.0073 U	0.0075 U	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0078 U	0.0083 U	0.0074 U	
Pyrene	0.02	0.0080 U	0.0073 U	0.01	0.0071 U	0.0074 U	0.0072 U	0.0071 U	0.0079 U	0.0071 U	0.0071 U	0.0094	0.0083 U	0.0074 U	
Total cPAH TEQ (ND=0.5RL)	0.084	0.0060 U	0.0055 U	0.018	0.0054 U	0.0056 U	0.0054 U	0.0054 U	0.0060 U	0.0054 U	0.0054 U	0.0059 U	0.0063 U	0.0056 U	

Total PCB Aroclors	0.05	0.060 U	0.055 U	0.056 U	0.053 U	0.056 U	0.054 U	0.053 U	0.059 U	0.053 U	0.053 U	0.059 U	0.062 U	0.056 U
Organochlorine Pesticides (mg/kg)														
4,4'-DDD	0.01	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U
4,4'-DDE	0.01	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U
4,4'-DDT	0.01	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U
Aldrin	0.005	0.0060 U	0.0055 U	0.0056 U	0.0053 U	0.0056 U	0.0054 U	0.0053 U	0.0059 U	0.0053 U	0.0053 U	0.0059 U	0.0062 U	0.0056 U
Alpha-BHC	0.005	0.0060 U	0.0055 U	0.0056 U	0.0053 U	0.0056 U	0.0054 U	0.0053 U	0.0059 U	0.0053 U	0.0053 U	0.0059 U	0.0062 U	0.0056 U
Beta-BHC	0.005	0.0060 U	0.0055 U	0.0056 U	0.0053 U	0.0056 U	0.0054 U	0.0053 U	0.0059 U	0.0053 U	0.0053 U	0.0059 U	0.0062 U	0.0056 U
cis-Chlordane	0.01	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U
trans-Chlordane	0.005	0.0060 U	0.0055 U	0.0056 U	0.0053 U	0.0056 U	0.0054 U	0.0053 U	0.0059 U	0.0053 U	0.0053 U	0.0059 U	0.0062 U	0.0056 U
Chlordane (Total)	NE	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U
Delta-BHC	6	0.0060 U	0.0055 U	0.0056 U	0.0053 U	0.0056 U	0.0054 U	0.0053 U	0.0059 U	0.0053 U	0.0053 U	0.0059 U	0.0062 U	0.0056 U
Dieldrin	0.01	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U
Endosulfan I	0.005	0.0060 U	0.0055 U	0.0056 U	0.0053 U	0.0056 U	0.0054 U	0.0053 U	0.0059 U	0.0053 U	0.0053 U	0.0059 U	0.0062 U	0.0056 U
Endosulfan II	0.01	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U
Endosulfan Sulfate	480	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U
Endrin	0.005	0.0060 U	0.0055 U	0.0056 U	0.0053 U	0.0056 U	0.0054 U	0.0053 U	0.0059 U	0.0053 U	0.0053 U	0.0059 U	0.0062 U	0.0056 U
Endrin Aldehyde	NE	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U
Endrin Ketone	NE	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U
Gamma-BHC	0.005	0.0060 U	0.0055 U	0.0056 U	0.0053 U	0.0056 U	0.0054 U	0.0053 U	0.0059 U	0.0053 U	0.0053 U	0.0059 U	0.0062 U	0.0056 U
Heptachlor	0.005	0.0060 U	0.0055 U	0.0056 U	0.0053 U	0.0056 U	0.0054 U	0.0053 U	0.0059 U	0.0053 U	0.0053 U	0.0059 U	0.0062 U	0.0056 U
Heptachlor Epoxide	0.005	0.0060 U	0.0055 U	0.0056 U	0.0053 U	0.0056 U	0.0054 U	0.0053 U	0.0059 U	0.0053 U	0.0053 U	0.0059 U	0.0062 U	0.0056 U
Methoxychlor	0.032	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U	0.011 U	0.012 U	0.012 U	0.011 U
Toxaphene	0.05	0.06 U	0.055 U	0.056 U	0.053 U	0.056 U	0.054 U	0.053 U	0.059 U	0.053 U	0.053 U	0.059 U	0.062 U	0.056 U
Chlorinated Acid Hericides (mg/kg)														
2,4,5-T	800	0.011 U	0.01 U	0.011 U	0.01 U	0.011 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U	0.011 U	0.012 U	0.011 U
2,4,5-TP	640	0.011 U	0.01 U	0.011 U	0.01 U	0.011 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U	0.011 U	0.012 U	0.011 U

Parameter	Sample ID	IAEX-26-3	IAEX-27-25	IAEX-28-28	IAEX-29-25	IAEX-30-30	IAEX-31-3	IAEX-32-5	IAEX-33-2	IAEX-34-2	DUP-210511	IAEX-35-2	IAEX-36-2	IAEX-37-2	
	Sample Date	05/06/21	05/07/21	05/07/21	05/07/21	05/07/21	05/10/21	05/10/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21	05/11/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level														
2,4-D	800	0.011 U	0.01 U	0.011 U	0.01 U	0.01 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U	0.011 U	0.012 U	0.01 U	
2,4-DB	2400	0.011 U	0.01 U	0.011 U	0.01 U	0.011 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U	0.011 U	0.012 U	0.011 U	
Dalapon	2400	0.22 U	0.2 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.2 U	0.2 U	0.21 U	0.23 U	0.2 U	
Dicamba	2400	0.011 U	0.01 UJ	0.011 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U	0.011 U	0.012 U	0.01 U	
Dichlorprop	NE	0.085 U	0.078 U	0.08 U	0.075 U	0.079 U	0.076 U	0.075 U	0.084 U	0.076 U	0.076 U	0.083 U	0.088 U	0.079 U	
Dinoseb	80	0.011 U	0.01 U	0.011 U	0.01 U	0.011 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U	0.011 U	0.012 U	0.011 U	
MCPA	40	2.8 U	2.6 U	2.6 U	2.5 U	2.6 U	2.5 U	2.5 U	2.8 U	2.5 U	2.5 U	2.7 U	2.9 U	2.6 U	
MCPD	80	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1 U	
Metals (mg/kg)															
Arsenic	20	12 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	11 U	12 U	12 U	11 U	
Cadmium	0.8	0.60 U	0.55 U	0.56 U	0.53 U	0.56 U	0.54 U	0.53 U	0.59 U	0.53 U	0.53 U	0.59 U	0.62 U	0.56 U	
Chromium	48	28	26	24	23	26	34	29	25	23	23	25	26	24	
Copper	36	9.4	11	11	9.7	9.1	12	9.7	10	9.6	9.4	13	11	8.6	
Lead	50	6.0 U	5.5 U	5.6 U	5.3 U	5.6 U	8.3	5.3 U	5.9 U	5.3 U	5.3 U	5.9 U	6.2 U	5.6 U	
Mercury	0.07	0.039	0.035	0.022 U	0.021 U	0.022 U	0.026	0.021 U	0.024 U	0.021 U	0.021 U	0.028	0.025 U	0.022 U	
Nickel	48	41	44	46	41	37	67	44	45	42	42	53	53	46	
Selenium	0.8	0.60 U	0.55 U	0.56 U	0.53 U	0.56 U	0.54 U	0.53 U	0.59 U	0.53 U	0.53 U	0.59 U	0.62 U	0.56 U	
Zinc	86	22	25	29	22	25	30	25	29	31	25	33	30	24	

Parameter	Sample ID	IAEX-39-20	IAEX-40-55	IAEX-41-20	IAEX-42-20	IAEX-43-30	IAEX-44-30	IAEX-45-35	IAEX-46-10	IAEX-47-10	IAEX-48-15	DUP-210517	IAEX-53-17	IAEX-49-20
	Sample Date	05/12/21	05/12/21	05/13/21	05/13/21	05/13/21	05/14/21	05/14/21	05/14/21	05/17/21	05/17/21		05/21/21	05/17/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	SS	NS		NS	SS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
Total Petroleum Hydrocarbons (mg/kg)														
Gasoline-range hydrocarbons	100	6.6 U	7.2 U	6 U	7.4 U	6.6 U	6.5 U	7.3 U	6.1 U	6.5 U	7.2 U	6.8 U	--	5.8 U
Diesel-range hydrocarbons	NE	31 U	32 U	30 U	31 U	31 U	32 U	33 U	28 U	29 U	33 U	32 U	--	28 U
Lube oil-range hydrocarbons	NE	62 U	65 U	60 U	63 U	63 U	64 U	67 U	55 U	58 U	65 U	65 U	--	55 U
Total (sum of) diesel & oil range hydrocarbons	260	62 U	65 U	60 U	63 U	63 U	64 U	67 U	55 U	58 U	65 U	65 U	--	55 U
Volatile Organic Compounds (mg/kg)														
1,1,1,2-Tetrachloroethane	38	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,1,1-Trichloroethane	1.5	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,1,2,2-Tetrachloroethane	0.001	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,1,2-Trichloroethane	0.0019	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,1-Dichloroethane	0.041	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,1-Dichloroethylene	0.044	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,1-Dichloropropene	NE	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,2,3-Trichlorobenzene	20	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,2,3-Trichloropropane	0.033	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,2,4-Trichlorobenzene	0.033	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,2,4-Trimethylbenzene	800	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,2-Dibromo-3-Chloropropane	1.3	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U
1,2-Dibromoethane	0.001	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,2-Dichlorobenzene	7	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,2-Dichloroethane	0.023	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,2-Dichloropropane	0.0036	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,3,5-Trimethylbenzene	800	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,3-Dichlorobenzene	NE	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,3-Dichloropropane	NE	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
1,4-Dichlorobenzene	0.98	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
2,2-Dichloropropane	NE	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
2-Chloroethyl vinyl ether	NE	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U
2-Chlorotoluene	1600	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
2-Hexanone	400	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U
4-Chlorotoluene	NE	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
4-Isopropyltoluene	NE	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
Acetone	29	0.010 U	0.012 U	0.011 U	0.013 U	0.05	0.010 U	0.011 U	0.011 U	0.012 U	0.011 U	0.012 U	--	0.01 U
Benzene	0.0024	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
Bromobenzene	0.56	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
Bromochloromethane	NE	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U
Bromoform	0.03	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U
Bromomethane	0.05	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U
Carbon Disulfide	5	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0015 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U

Parameter	Sample ID	IAEX-39-20	IAEX-40-55	IAEX-41-20	IAEX-42-20	IAEX-43-30	IAEX-44-30	IAEX-45-35	IAEX-46-10	IAEX-47-10	IAEX-48-15	DUP-210517	IAEX-53-17	IAEX-49-20	
	Sample Date	05/12/21	05/12/21	05/13/21	05/13/21	05/13/21	05/14/21	05/14/21	05/14/21	05/17/21	05/17/21		05/21/21	05/17/21	
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	SS	NS		NS	SS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level														
Carbon Tetrachloride	0.0017	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Chlorobenzene	0.17	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Chloroethane	NE	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U	
Chloroform	0.074	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Chloromethane	NE	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0068 U	0.0076 U	0.0075 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U	
cis-1,2-Dichloroethylene	0.078	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
cis-1,3-Dichloropropene	0.0011	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Dibromochloromethane	0.0032	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Dibromomethane	800	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Dichlorobromomethane	0.0038	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Dichlorodifluoromethane	16000	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Ethylbenzene	0.24	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Hexachlorobutadiene	0.033	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U	
Isopropylbenzene	8000	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Methyl ethyl ketone (MEK)	48000	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.008	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U	
Methyl Iodide	NE	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0070 U	0.0078 U	0.0078 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U	
Methyl isobutyl ketone	6400	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U	
Methyl tert-butyl ether	0.1	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Methylene Chloride	0.021	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U	
Naphthalene	4.5	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U	
n-Butylbenzene	4000	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
n-Propylbenzene	8000	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Sec-Butylbenzene	8000	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Styrene	2.2	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Tert-Butylbenzene	8000	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Tetrachloroethylene	0.024	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Toluene	0.4	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U	
Total Xylenes	14	0.0020 U	0.0025 U	0.0022 U	0.0025 U	0.0027 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0024 U	--	0.0020 U	
trans-1,2-Dichloroethylene	0.52	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
trans-1,3-Dichloropropene	0.0011	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Trichloroethylene	0.0019	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Trichlorofluoromethane	24000	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Vinyl Acetate	33	0.0051 U	0.0062 U	0.0055 U	0.0063 U	0.0067 U	0.0052 U	0.0057 U	0.0057 U	0.006 U	0.0053 U	0.0061 U	--	0.0051 U	
Vinyl Chloride	0.001	0.0010 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0010 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	--	0.001 U	
Semi-Volatile Organic Compounds (mg/kg)															
1,2-Dinitrobenzene	8	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
1,2-Diphenylhydrazine	1.3	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
1,3-Dinitrobenzene	8	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
1,4-Dinitrobenzene	8	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2,3,4,6-Tetrachlorophenol	2400	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2,3,5,6-Tetrachlorophenol	NE	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2,3-Dichloroaniline	NE	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2,4,5-Trichlorophenol	4	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2,4,6-Trichlorophenol	0.033	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2,4-Dichlorophenol	0.069	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2,4-Dimethylphenol	0.7	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	

Parameter	Sample ID	IAEX-39-20	IAEX-40-55	IAEX-41-20	IAEX-42-20	IAEX-43-30	IAEX-44-30	IAEX-45-35	IAEX-46-10	IAEX-47-10	IAEX-48-15	DUP-210517	IAEX-53-17	IAEX-49-20	
	Sample Date	05/12/21	05/12/21	05/13/21	05/13/21	05/13/21	05/14/21	05/14/21	05/14/21	05/17/21	05/17/21		05/21/21	05/17/21	
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	SS	NS		NS	SS	
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level														
2,4-Dinitrophenol	0.17	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.29 U	0.30 U	0.32 U	0.34 U	0.38 U	0.38 U	--	0.32 U	
2,4-Dinitrotoluene	0.033	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2,6-Dinitrotoluene	0.033	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2-Chloronaphthalene	6400	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2-Chlorophenol	0.18	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2-methylphenol	2.3	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2-Nitroaniline	800	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
2-Nitrophenol	NE	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
3,3'-Dichlorobenzidine	0.17	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.18 U	0.19 U	0.22 U	0.22 U	--	0.18 U	
3+4-Methylphenol	4000	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
3-Nitroaniline	NE	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
4,6-Dinitro-2-Methylphenol	NE	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.28 U	0.29 U	0.33 U	0.33 U	--	0.28 U	
4-Bromophenyl phenyl ether	NE	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
4-Chloro-3-Methylphenol	NE	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
4-Chloroaniline	0.17	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.18 U	0.19 U	0.22 U	0.22 U	--	0.18 U	
4-Chlorophenyl phenyl ether	NE	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
4-Nitroaniline	320	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
4-Nitrophenol	7	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Aniline	180	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.18 U	0.19 U	0.22 U	0.22 U	--	0.18 U	
Benzyl Alcohol	8000	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Bis(2-Chloroethoxy)Methane	NE	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Bis(2-Chloroethyl)Ether	0.033	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Bis(2-chloroisopropyl) ether	NE	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Bis(2-Ethylhexyl) Phthalate	0.17	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.18 U	0.19 U	0.22 U	0.22 U	--	0.18 U	
Butyl benzyl Phthalate	0.17	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.18 U	0.19 U	0.22 U	0.22 U	--	0.18 U	
Carbazole	3.7	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Di(2-ethylhexyl)adipate	NE	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.18 U	0.19 U	0.22 U	0.22 U	--	0.18 U	
Dibenzofuran	NE	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Dibutyl Phthalate	0.28	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.18 U	0.19 U	0.22 U	0.22 U	--	0.18 U	
Diethyl Phthalate	1.1	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.18 U	0.19 U	0.22 U	0.22 U	--	0.18 U	
Dimethyl Phthalate	200	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Di-N-Octyl Phthalate	0.17	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.18 U	0.19 U	0.22 U	0.22 U	--	0.18 U	
Hexachlorobenzene	0.033	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Hexachlorocyclopentadiene	4	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Hexachloroethane	0.033	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Isophorone	0.13	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Nitrobenzene	0.064	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
N-Nitrosodimethylamine	0.033	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
N-Nitrosodi-n-propylamine	0.033	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
N-Nitrosodiphenylamine	0.033	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Pentachlorophenol	0.17	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.18 U	0.19 U	0.22 U	0.22 U	--	0.18 U	
Phenol	0.74	0.042 U	0.043 U	0.04 U	0.042 U	0.042 U	0.043 U	0.045 U	0.037 U	0.039 U	0.043 U	0.043 U	--	0.037 U	
Pyridine	80	0.42 U	0.43 U	0.4 U	0.42 U	0.42 U	0.43 U	0.45 U	0.37 U	0.39 U	0.43 U	0.43 U	--	0.37 U	
Polycyclic Aromatic Hydrocarbons (mg/kg)															
1-Methylnaphthalene	34	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U	
2-Methylnaphthalene	320	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U	

Parameter	Sample ID	IAEX-39-20	IAEX-40-55	IAEX-41-20	IAEX-42-20	IAEX-43-30	IAEX-44-30	IAEX-45-35	IAEX-46-10	IAEX-47-10	IAEX-48-15	DUP-210517	IAEX-53-17	IAEX-49-20
	Sample Date	05/12/21	05/12/21	05/13/21	05/13/21	05/13/21	05/14/21	05/14/21	05/14/21	05/17/21	05/17/21		05/21/21	05/17/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	SS	NS		NS	SS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
Acenaphthene	3.1	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Acenaphthylene	NE	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Anthracene	47	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Benzo(a)anthracene	NE	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Benzo(a)pyrene	NE	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Benzo(b)fluoranthene	NE	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Benzo(g,h,i)perylene	NE	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Benzo(j,k)fluoranthene	NE	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Chrysene	NE	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Dibenzo(a,h)anthracene	NE	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Fluoranthene	NE	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Fluorene	1.6	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Indeno(1,2,3-c,d)pyrene	NE	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Naphthalene	4.5	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Phenanthrene	NE	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Pyrene	0.02	0.0083 U	0.0086 U	0.008 U	0.0083 U	0.0083 U	0.0086 U	0.0089 U	0.0074 U	0.0077 U	0.0087 U	0.0086 U	--	0.0074 U
Total cPAH TEQ (ND=0.5RL)	0.084	0.0063 U	0.0065 U	0.0060 U	0.0063 U	0.0063 U	0.0065 U	0.0067 U	0.0056 U	0.0058 U	0.0066 U	0.0065 U	--	0.0056 U

Total PCB Aroclors	0.05	0.062 U	0.065 U	0.060 U	0.063 U	0.063 U	0.064 U	0.067 U	0.055 U	0.058 U	0.065 U	0.065 U	--	0.055 U
Organochlorine Pesticides (mg/kg)														
4,4'-DDD	0.01	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	--	0.011 U
4,4'-DDE	0.01	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	--	0.011 U
4,4'-DDT	0.01	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	--	0.011 U
Aldrin	0.005	0.0062 U	0.0065 U	0.006 U	0.0063 U	0.0063 U	0.0064 U	0.0067 U	0.0055 U	0.0058 U	0.0065 U	0.0065 U	--	0.0055 U
Alpha-BHC	0.005	0.0062 U	0.0065 U	0.006 U	0.0063 U	0.0063 U	0.0064 U	0.0067 U	0.0055 U	0.0058 U	0.0065 U	0.0065 U	--	0.0055 U
Beta-BHC	0.005	0.0062 U	0.0065 U	0.006 U	0.0063 U	0.0063 U	0.0064 U	0.0067 U	0.0055 U	0.0058 U	0.0065 U	0.0065 U	--	0.0055 U
cis-Chlordane	0.01	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.013 U	0.013 U	--	0.011 U
trans-Chlordane	0.005	0.0062 U	0.0065 U	0.006 U	0.0063 U	0.0063 U	0.0064 UJ	0.0067 UJ	0.0055 UJ	0.0058 U	0.0065 U	0.0065 U	--	0.0055 U
Chlordane (Total)	NE	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	--	0.011 U
Delta-BHC	6	0.0062 U	0.0065 U	0.006 U	0.0063 U	0.0063 U	0.0064 U	0.0067 U	0.0055 U	0.0058 U	0.0065 U	0.0065 U	--	0.0055 U
Dieldrin	0.01	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	--	0.011 U
Endosulfan I	0.005	0.0062 U	0.0065 U	0.006 U	0.0063 U	0.0063 U	0.0064 U	0.0067 U	0.0055 U	0.0058 U	0.0065 U	0.0065 U	--	0.0055 U
Endosulfan II	0.01	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	--	0.011 U
Endosulfan Sulfate	480	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	--	0.011 U
Endrin	0.005	0.0062 U	0.0065 U	0.006 U	0.0063 U	0.0063 U	0.0064 U	0.0067 U	0.0055 U	0.0058 U	0.0065 U	0.0065 U	--	0.0055 U
Endrin Aldehyde	NE	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	--	0.011 U
Endrin Ketone	NE	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	--	0.011 U
Gamma-BHC	0.005	0.0062 U	0.0065 U	0.006 U	0.0063 U	0.0063 U	0.0064 U	0.0067 U	0.0055 U	0.0058 U	0.0065 U	0.0065 U	--	0.0055 U
Heptachlor	0.005	0.0062 U	0.0065 U	0.006 U	0.0063 U	0.0063 U	0.0064 U	0.0067 U	0.0055 U	0.0058 U	0.0065 U	0.0065 U	--	0.0055 U
Heptachlor Epoxide	0.005	0.0062 U	0.0065 U	0.006 U	0.0063 U	0.0063 U	0.0064 U	0.0067 U	0.0055 U	0.0058 U	0.0065 U	0.0065 U	--	0.0055 U
Methoxychlor	0.032	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	--	0.011 U
Toxaphene	0.05	0.062 U	0.065 U	0.06 U	0.063 U	0.063 U	0.064 U	0.067 U	0.055 U	0.058 U	0.065 U	0.065 U	--	0.055 U
Chlorinated Acid Hericides (mg/kg)														
2,4,5-T	800	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.013 U	0.01 U	0.011 U	0.012 U	0.012 U	--	0.01 U
2,4,5-TP	640	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U	0.012 U	--	0.011 U

Parameter	Sample ID	IAEX-39-20	IAEX-40-55	IAEX-41-20	IAEX-42-20	IAEX-43-30	IAEX-44-30	IAEX-45-35	IAEX-46-10	IAEX-47-10	IAEX-48-15	DUP-210517	IAEX-53-17	IAEX-49-20
	Sample Date	05/12/21	05/12/21	05/13/21	05/13/21	05/13/21	05/14/21	05/14/21	05/14/21	05/17/21	05/17/21		05/21/21	05/17/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	SS	NS		NS	SS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
2,4-D	800	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.013 U	0.01 U	0.011 U	0.012 U	0.012 U	--	0.01 U
2,4-DB	2400	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.013 U	0.01 U	0.011 U	0.012 U	0.012 U	--	0.01 U
Dalapon	2400	0.23 U	0.24 U	0.22 U	0.23 U	0.23 U	0.24 U	0.24 U	0.2 U	0.21 U	0.24 U	0.24 U	--	0.2 U
Dicamba	2400	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.013 U	0.01 U	0.011 U	0.012 U	0.012 U	--	0.01 U
Dichlorprop	NE	0.088 U	0.091 U	0.085 U	0.089 U	0.089 U	0.091 U	0.095 U	0.078 U	0.082 U	0.092 U	0.092 U	--	0.078 U
Dinoseb	80	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.013 U	0.01 U	0.011 U	0.012 U	0.012 U	--	0.01 U
MCPA	40	2.9 U	3 U	2.8 U	2.9 U	2.9 U	3 U	3.1 U	2.6 U	2.7 U	3 U	3 U	--	2.6 U
MCPD	80	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1 U	1.1 U	1.2 U	1.2 U	--	1 U
Metals (mg/kg)														
Arsenic	20	12 U	13	12 U	13 U	13 U	13 U	13 U	11 U	12 U	13 U	13 U	--	11 U
Cadmium	0.8	0.62 U	0.65 U	0.6 U	0.63 U	0.63 U	0.64 U	0.67 U	0.55 U	0.58 U	0.65 U	0.65 U	--	0.55 U
Chromium	48	49	39	24	28	39	47	27	24	31	32	32	--	31
Copper	36	7.1	7.1	9.6	9.1	7.8	13	7.7	11	18	17	16	--	9.1
Lead	50	6.2 U	6.5 U	6 U	6.3 U	6.3 U	6.4 U	6.7 U	5.5 U	11 J	6.5 U	6.5 U	--	5.5 U
Mercury	0.07	0.022 U	0.023 U	0.03	0.024	0.022 U	0.026	0.020 U	0.017 U	0.043	0.061	0.14	0.023 U	0.05
Nickel	48	29	34	37	48	39	41	39	41	46	55	55	See note 4	47
Selenium	0.8	0.62 U	0.65 U	0.6 U	0.63 U	0.63 U	0.64 U	0.67 U	0.55 U	0.58 U	0.65 U	0.65 U	--	0.55 U
Zinc	86	23	26	23	25	22	41	27	25	33 J	37 J	37 J	--	19 J

Parameter	Sample ID	IAEX-50-2	IAEX-56-6	IAEX-51-3	IAEX-52-3	IAEX-54-4	IAEX-57-6	IAEX-55-3	IAEX-58-5	IAEX-59-5	IAEX-61-6	IAEX-60-5	IAEX-62-5	IAEX-63-4	
	Sample Date	05/20/21	05/27/21	05/20/21	05/20/21	05/24/21	05/27/21	05/24/21	05/27/21	06/03/21	06/08/21	06/03/21	06/08/21	06/08/21	
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level														
Total Petroleum Hydrocarbons (mg/kg)															
Gasoline-range hydrocarbons	100	6.5 U	--	5.8 U	6.4 U	7.5 U	--	6.9 U	--	5.6 U	--	5 U	5.7 U	6.4 U	
Diesel-range hydrocarbons	NE	29 U	--	27 U	29 U	32 U	--	33 U	--	31 U	--	30 U	30 U	29 U	
Lube oil-range hydrocarbons	NE	58 U	--	54 U	58 U	64 U	--	65 U	--	62 U	--	60 U	60 U	58 U	
Total (sum of) diesel & oil range hydrocarbons	260	58 U	--	54 U	58 U	64 U	--	65 U	--	62 U	--	60 U	60 U	58 U	
Volatile Organic Compounds (mg/kg)															
1,1,1,2-Tetrachloroethane	38	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,1,1-Trichloroethane	1.5	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,1,2,2-Tetrachloroethane	0.001	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,1,2-Trichloroethane	0.0019	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,1-Dichloroethane	0.041	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,1-Dichloroethylene	0.044	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,1-Dichloropropene	NE	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,2,3-Trichlorobenzene	20	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,2,3-Trichloropropane	0.033	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,2,4-Trichlorobenzene	0.033	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,2,4-Trimethylbenzene	800	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,2-Dibromo-3-Chloropropane	1.3	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U	
1,2-Dibromoethane	0.001	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,2-Dichlorobenzene	7	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,2-Dichloroethane	0.023	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,2-Dichloropropane	0.0036	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,3,5-Trimethylbenzene	800	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,3-Dichlorobenzene	NE	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,3-Dichloropropane	NE	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
1,4-Dichlorobenzene	0.98	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
2,2-Dichloropropane	NE	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
2-Chloroethyl vinyl ether	NE	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U	
2-Chlorotoluene	1600	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
2-Hexanone	400	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U	
4-Chlorotoluene	NE	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
4-Isopropyltoluene	NE	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
Acetone	29	0.010 U	--	0.012 U	0.014	0.010 U	--	0.017	--	0.0096 U	--	0.013 U	0.053	0.012 U	
Benzene	0.0024	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
Bromobenzene	0.56	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
Bromochloromethane	NE	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U	
Bromoform	0.03	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U	
Bromomethane	0.05	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.0068 U	0.0085 U	
Carbon Disulfide	5	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.0012 U	--	0.0018 U	0.0013 U	0.0016 U	

Parameter	Sample ID	IAEX-50-2	IAEX-56-6	IAEX-51-3	IAEX-52-3	IAEX-54-4	IAEX-57-6	IAEX-55-3	IAEX-58-5	IAEX-59-5	IAEX-61-6	IAEX-60-5	IAEX-62-5	IAEX-63-4
	Sample Date	05/20/21	05/27/21	05/20/21	05/20/21	05/24/21	05/27/21	05/24/21	05/27/21	06/03/21	06/08/21	06/03/21	06/08/21	06/08/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
Carbon Tetrachloride	0.0017	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Chlorobenzene	0.17	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Chloroethane	NE	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U
Chloroform	0.074	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Chloromethane	NE	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U
cis-1,2-Dichloroethylene	0.078	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
cis-1,3-Dichloropropene	0.0011	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Dibromochloromethane	0.0032	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Dibromomethane	800	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Dichlorobromomethane	0.0038	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Dichlorodifluoromethane	16000	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Ethylbenzene	0.24	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Hexachlorobutadiene	0.033	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U
Isopropylbenzene	8000	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Methyl ethyl ketone (MEK)	48000	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.0087	0.0062 U
Methyl Iodide	NE	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.0084 U	0.01 U
Methyl isobutyl ketone	6400	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U
Methyl tert-butyl ether	0.1	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Methylene Chloride	0.021	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U
Naphthalene	4.5	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U
n-Butylbenzene	4000	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
n-Propylbenzene	8000	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Sec-Butylbenzene	8000	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Styrene	2.2	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Tert-Butylbenzene	8000	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Tetrachloroethylene	0.024	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Toluene	0.4	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U
Total Xylenes	14	0.0021 U	--	0.0025 U	0.0024 U	0.0021 U	--	0.0024 U	--	0.0019 U	--	0.0027 U	0.0020 U	0.0025 U
trans-1,2-Dichloroethylene	0.52	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
trans-1,3-Dichloropropene	0.0011	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Trichloroethylene	0.0019	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Trichlorofluoromethane	24000	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Vinyl Acetate	33	0.0052 U	--	0.0062 U	0.0060 U	0.0052 U	--	0.0060 U	--	0.0048 U	--	0.0067 U	0.005 U	0.0062 U
Vinyl Chloride	0.001	0.0010 U	--	0.0012 U	0.0012 U	0.0010 U	--	0.0012 U	--	0.00096 U	--	0.0013 U	0.001 U	0.0012 U
Semi-Volatile Organic Compounds (mg/kg)														
1,2-Dinitrobenzene	8	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
1,2-Diphenylhydrazine	1.3	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
1,3-Dinitrobenzene	8	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
1,4-Dinitrobenzene	8	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2,3,4,6-Tetrachlorophenol	2400	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2,3,5,6-Tetrachlorophenol	NE	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2,3-Dichloroaniline	NE	0.048 U	--	0.046 U	0.048 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2,4,5-Trichlorophenol	4	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2,4,6-Trichlorophenol	0.033	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2,4-Dichlorophenol	0.069	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2,4-Dimethylphenol	0.7	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U

Parameter	Sample ID	IAEX-50-2	IAEX-56-6	IAEX-51-3	IAEX-52-3	IAEX-54-4	IAEX-57-6	IAEX-55-3	IAEX-58-5	IAEX-59-5	IAEX-61-6	IAEX-60-5	IAEX-62-5	IAEX-63-4
	Sample Date	05/20/21	05/27/21	05/20/21	05/20/21	05/24/21	05/27/21	05/24/21	05/27/21	06/03/21	06/08/21	06/03/21	06/08/21	06/08/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
2,4-Dinitrophenol	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
2,4-Dinitrotoluene	0.033	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2,6-Dinitrotoluene	0.033	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2-Chloronaphthalene	6400	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2-Chlorophenol	0.18	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2-methylphenol	2.3	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2-Nitroaniline	800	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
2-Nitrophenol	NE	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
3,3'-Dichlorobenzidine	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
3+4-Methylphenol	4000	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
3-Nitroaniline	NE	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
4,6-Dinitro-2-Methylphenol	NE	0.27 U	--	0.26 U	0.27 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
4-Bromophenyl phenyl ether	NE	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
4-Chloro-3-Methylphenol	NE	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
4-Chloroaniline	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
4-Chlorophenyl phenyl ether	NE	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
4-Nitroaniline	320	0.049 U	--	0.046 U	0.049 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
4-Nitrophenol	7	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Aniline	180	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
Benzyl Alcohol	8000	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Bis(2-Chloroethoxy)Methane	NE	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Bis(2-Chloroethyl)Ether	0.033	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.021 U	--	0.02 U	0.04 U	0.038 U
Bis(2-chloroisopropyl) ether	NE	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Bis(2-Ethylhexyl) Phthalate	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
Butyl benzyl Phthalate	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
Carbazole	3.7	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Di(2-ethylhexyl)adipate	NE	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
Dibenzofuran	NE	0.048 U	--	0.045 U	0.048 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Dibutyl Phthalate	0.28	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
Diethyl Phthalate	1.1	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
Dimethyl Phthalate	200	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Di-N-Octyl Phthalate	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
Hexachlorobenzene	0.033	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Hexachlorocyclopentadiene	4	0.073 U	--	0.069 U	0.073 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Hexachloroethane	0.033	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Isophorone	0.13	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Nitrobenzene	0.064	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
N-Nitrosodimethylamine	0.033	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
N-Nitrosodi-n-propylamine	0.033	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
N-Nitrosodiphenylamine	0.033	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Pentachlorophenol	0.17	0.19 U	--	0.18 U	0.19 U	0.21 U	--	0.22 U	--	0.21 U	--	0.2 U	0.2 U	0.19 U
Phenol	0.74	0.038 U	--	0.036 U	0.038 U	0.042 U	--	0.043 U	--	0.041 U	--	0.04 U	0.04 U	0.038 U
Pyridine	80	0.38 U	--	0.36 U	0.38 U	0.42 U	--	0.43 U	--	0.41 U	--	0.4 U	0.4 U	0.38 U
Polycyclic Aromatic Hydrocarbons (mg/kg)														
1-Methylnaphthalene	34	0.0077 U	--	0.0072 U	0.0077 U	0.024	--	0.012	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
2-Methylnaphthalene	320	0.0077 U	--	0.0072 U	0.0077 U	0.029	--	0.018	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U

Parameter	Sample ID	IAEX-50-2	IAEX-56-6	IAEX-51-3	IAEX-52-3	IAEX-54-4	IAEX-57-6	IAEX-55-3	IAEX-58-5	IAEX-59-5	IAEX-61-6	IAEX-60-5	IAEX-62-5	IAEX-63-4
	Sample Date	05/20/21	05/27/21	05/20/21	05/20/21	05/24/21	05/27/21	05/24/21	05/27/21	06/03/21	06/08/21	06/03/21	06/08/21	06/08/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
Acenaphthene	3.1	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Acenaphthylene	NE	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Anthracene	47	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Benzo(a)anthracene	NE	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Benzo(a)pyrene	NE	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Benzo(b)fluoranthene	NE	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Benzo(g,h,i)perylene	NE	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Benzo(j,k)fluoranthene	NE	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Chrysene	NE	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Dibenzo(a,h)anthracene	NE	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Fluoranthene	NE	0.01	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Fluorene	1.6	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Indeno(1,2,3-c,d)pyrene	NE	0.0077 U	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Naphthalene	4.5	0.0077 U	--	0.0072 U	0.0077 U	0.015	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Phenanthrene	NE	0.0087	--	0.0072 U	0.0077 U	0.015	--	0.011	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Pyrene	0.02	0.0096	--	0.0072 U	0.0077 U	0.0085 U	--	0.0087 U	--	0.0083 U	--	0.008 U	0.0079 U	0.0077 U
Total cPAH TEQ (ND=0.5RL)	0.084	0.0058 U	--	0.0054 U	0.0058 U	0.0064 U	--	0.0066 U	--	0.0063 U	--	0.0060 U	0.0060 U	0.0058 U

Total PCB Aroclors	0.05	0.057 U	--	0.054 U	0.057 U	0.064 U	--	0.065 U	--	0.062 U	--	0.060 U	0.059 U	0.058 U
Organochlorine Pesticides (mg/kg)														
4,4'-DDD	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.013 U	--	0.012 U	--	0.012 U	0.012 U	0.012 U
4,4'-DDE	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.013 U	--	0.012 U	--	0.012 U	0.012 U	0.012 U
4,4'-DDT	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.013 U	--	0.012 U	--	0.012 U	0.012 U	0.012 U
Aldrin	0.005	0.0057 U	--	0.0054 U	0.0057 U	0.0064 U	--	0.0065 U	--	0.0062 U	--	0.006 U	0.0059 U	0.0058 U
Alpha-BHC	0.005	0.0057 U	--	0.0054 U	0.0057 U	0.0064 U	--	0.0065 U	--	0.0062 U	--	0.006 U	0.0059 U	0.0058 U
Beta-BHC	0.005	0.0057 U	--	0.0054 U	0.0057 U	0.0064 U	--	0.0065 U	--	0.0062 U	--	0.006 U	0.0059 U	0.0058 U
cis-Chlordane	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.013 U	--	0.012 U	--	0.012 U	0.012 U	0.012 U
trans-Chlordane	0.005	0.0057 U	--	0.0054 U	0.0057 U	0.0064 U	--	0.0065 U	--	0.0062 U	--	0.006 U	0.0059 U	0.0058 U
Chlordane (Total)	NE	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.013 U	--	0.012 U	--	0.012 U	0.012 U	0.012 U
Delta-BHC	6	0.0057 U	--	0.0054 U	0.0057 U	0.0064 U	--	0.0065 U	--	0.0062 U	--	0.006 U	0.0059 U	0.0058 U
Dieldrin	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.013 U	--	0.012 U	--	0.012 U	0.012 U	0.012 U
Endosulfan I	0.005	0.0057 U	--	0.0054 U	0.0057 U	0.0064 U	--	0.0065 U	--	0.0062 U	--	0.006 U	0.0059 U	0.0058 U
Endosulfan II	0.01	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.013 U	--	0.012 U	--	0.012 U	0.012 U	0.012 U
Endosulfan Sulfate	480	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.013 U	--	0.012 U	--	0.012 U	0.012 U	0.012 U
Endrin	0.005	0.0057 U	--	0.0054 U	0.0057 U	0.0064 U	--	0.0065 U	--	0.0062 U	--	0.006 U	0.0059 U	0.0058 U
Endrin Aldehyde	NE	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.013 U	--	0.012 U	--	0.012 U	0.012 U	0.012 U
Endrin Ketone	NE	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.013 U	--	0.012 U	--	0.012 U	0.012 U	0.012 U
Gamma-BHC	0.005	0.0057 U	--	0.0054 U	0.0057 U	0.0064 U	--	0.0065 U	--	0.0062 U	--	0.006 U	0.0059 U	0.0058 U
Heptachlor	0.005	0.0057 U	--	0.0054 U	0.0057 U	0.0064 U	--	0.0065 U	--	0.0062 U	--	0.006 U	0.0059 U	0.0058 U
Heptachlor Epoxide	0.005	0.0057 U	--	0.0054 U	0.0057 U	0.0064 U	--	0.0065 U	--	0.0062 U	--	0.006 U	0.0059 U	0.0058 U
Methoxychlor	0.032	0.011 U	--	0.011 U	0.011 U	0.013 U	--	0.013 U	--	0.012 U	--	0.012 U	0.012 U	0.012 U
Toxaphene	0.05	0.057 U	--	0.054 U	0.057 U	0.064 U	--	0.065 U	--	0.062 U	--	0.06 U	0.059 U	0.058 U
Chlorinated Acid Hericides (mg/kg)														
2,4,5-T	800	0.011 U	--	0.01 U	0.011 U	0.012 U	--	0.012 U	--	0.012 U	--	0.011 U	0.011 U	0.011 U
2,4,5-TP	640	0.011 U	--	0.01 U	0.011 U	0.012 U	--	0.012 U	--	0.012 U	--	0.011 U	0.011 U	0.011 U

Parameter	Sample ID	IAEX-50-2	IAEX-56-6	IAEX-51-3	IAEX-52-3	IAEX-54-4	IAEX-57-6	IAEX-55-3	IAEX-58-5	IAEX-59-5	IAEX-61-6	IAEX-60-5	IAEX-62-5	IAEX-63-4
	Sample Date	05/20/21	05/27/21	05/20/21	05/20/21	05/24/21	05/27/21	05/24/21	05/27/21	06/03/21	06/08/21	06/03/21	06/08/21	06/08/21
	Sheen	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level													
2,4-D	800	0.011 U	--	0.01 U	0.011 U	0.012 U	--	0.012 U	--	0.012 U	--	0.011 U	0.011 U	0.011 U
2,4-DB	2400	0.011 U	--	0.01 U	0.011 U	0.012 U	--	0.012 U	--	0.012 U	--	0.011 U	0.011 U	0.011 U
Dalapon	2400	0.21 U	--	0.2 U	0.21 U	0.23 U	--	0.24 U	--	0.23 U	--	0.22 U	0.22 U	0.21 U
Dicamba	2400	0.011 U	--	0.01 U	0.011 U	0.012 U	--	0.012 U	--	0.012 U	--	0.011 U	0.011 U	0.011 U
Dichlorprop	NE	0.081 U	--	0.077 U	0.081 U	0.09 U	--	0.092 U	--	0.088 U	--	0.085 U	0.084 U	0.082 U
Dinoseb	80	0.011 U	--	0.01 U	0.011 U	0.012 U	--	0.012 U	--	0.012 U	--	0.011 U	0.011 U	0.011 U
MCPA	40	2.7 U	--	2.5 U	2.7 U	3 U	--	3 U	--	2.9 U	--	2.8 U	2.8 U	2.7 U
MCPD	80	1.1 U	--	1 U	1.1 U	1.2 U	--	1.2 U	--	1.2 U	--	1.1 U	1.1 U	1.1 U
Metals (mg/kg)														
Arsenic	20	11 U	--	11 U	11 U	13 U	--	13 U	--	12 U	--	12 U	12 U	12 U
Cadmium	0.8	0.57 U	--	0.54 U	0.57 U	0.64 U	--	0.65 U	--	0.62 U	--	0.6 U	0.59 U	0.58 U
Chromium	48	30	--	27	24	45	--	43	--	57	30	27	27	26
Copper	36	11	--	10	8.7	44	8.5	39	8.8	53	9.1	11	8.4	8.5
Lead	50	8.2	--	5.4 U	5.7 U	6.4 U	--	6.5 U	--	8.7	--	6 U	5.9 U	5.8 U
Mercury	0.07	0.083	0.023 U	0.022 U	0.023 U	0.057	--	0.074	0.021 U	0.15	0.024 U	0.026	0.025	0.023 U
Nickel	48	44	--	52	48	73	See note 4	68	See note 4	74	See note 4	41	36	35
Selenium	0.8	0.57 U	--	0.54 U	0.57 U	0.64 U	--	0.65 U	--	0.62 U	--	0.6 U	0.59 U	0.58 U
Zinc	86	36	--	44	25	67	--	63	--	93	25	28	22	23

Parameter	Sample ID	IAEX-64-8	IAEX-65-15	IAEX-66-5	IAEX-67-30	IAEX-68-5
	Sample Date	06/11/21	06/11/21	06/16/21	06/17/21	06/17/21
	Sheen	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level					
Total Petroleum Hydrocarbons (mg/kg)						
Gasoline-range hydrocarbons	100	8.2 U	8.5 U	6.9 U	7.4 U	5.9 U
Diesel-range hydrocarbons	NE	33 U	33 U	31 U	33 U	29 U
Lube oil-range hydrocarbons	NE	66 U	65 U	62 U	65 U	57 U
Total (sum of) diesel & oil range hydrocarbons	260	66 U	65 U	62 U	65 U	57 U
Volatile Organic Compounds (mg/kg)						
1,1,1,2-Tetrachloroethane	38	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,1,1-Trichloroethane	1.5	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,1,2,2-Tetrachloroethane	0.001	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,1,2-Trichloroethane	0.0019	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,1-Dichloroethane	0.041	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,1-Dichloroethylene	0.044	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,1-Dichloropropene	NE	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,2,3-Trichlorobenzene	20	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,2,3-Trichloropropane	0.033	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,2,4-Trichlorobenzene	0.033	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,2,4-Trimethylbenzene	800	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,2-Dibromo-3-Chloropropane	1.3	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
1,2-Dibromoethane	0.001	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,2-Dichlorobenzene	7	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,2-Dichloroethane	0.023	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,2-Dichloropropane	0.0036	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,3,5-Trimethylbenzene	800	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,3-Dichlorobenzene	NE	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,3-Dichloropropane	NE	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
1,4-Dichlorobenzene	0.98	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
2,2-Dichloropropane	NE	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
2-Chloroethyl vinyl ether	NE	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
2-Chlorotoluene	1600	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
2-Hexanone	400	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
4-Chlorotoluene	NE	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
4-Isopropyltoluene	NE	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Acetone	29	0.013 U	0.010 U	0.017	0.02	0.013 U
Benzene	0.0024	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Bromobenzene	0.56	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Bromochloromethane	NE	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Bromoform	0.03	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
Bromomethane	0.05	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
Carbon Disulfide	5	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U

Parameter	Sample ID	IAEX-64-8	IAEX-65-15	IAEX-66-5	IAEX-67-30	IAEX-68-5
	Sample Date	06/11/21	06/11/21	06/16/21	06/17/21	06/17/21
	Sheen	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level					
Carbon Tetrachloride	0.0017	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Chlorobenzene	0.17	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Chloroethane	NE	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
Chloroform	0.074	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Chloromethane	NE	0.0086 U	0.0071 U	0.0061 U	0.0057 U	0.0063 U
cis-1,2-Dichloroethylene	0.078	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
cis-1,3-Dichloropropene	0.0011	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Dibromochloromethane	0.0032	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Dibromomethane	800	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Dichlorobromomethane	0.0038	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Dichlorodifluoromethane	16000	0.0019 U	0.0015 U	0.0012 U	0.0011 U	0.0013 U
Ethylbenzene	0.24	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Hexachlorobutadiene	0.033	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
Isopropylbenzene	8000	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Methyl ethyl ketone (MEK)	48000	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
Methyl Iodide	NE	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
Methyl isobutyl ketone	6400	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
Methyl tert-butyl ether	0.1	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Methylene Chloride	0.021	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
Naphthalene	4.5	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
n-Butylbenzene	4000	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
n-Propylbenzene	8000	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Sec-Butylbenzene	8000	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Styrene	2.2	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Tert-Butylbenzene	8000	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Tetrachloroethylene	0.024	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Toluene	0.4	0.0063 U	0.0051 U	0.009	0.0057 U	0.0063 U
Total Xylenes	14	0.0025 U	0.0021 U	0.0024 U	0.0023 U	0.0025 U
trans-1,2-Dichloroethylene	0.52	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
trans-1,3-Dichloropropene	0.0011	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Trichloroethylene	0.0019	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Trichlorofluoromethane	24000	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Vinyl Acetate	33	0.0063 U	0.0051 U	0.0061 U	0.0057 U	0.0063 U
Vinyl Chloride	0.001	0.0013 U	0.0010 U	0.0012 U	0.0011 U	0.0013 U
Semi-Volatile Organic Compounds (mg/kg)						
1,2-Dinitrobenzene	8	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
1,2-Diphenylhydrazine	1.3	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
1,3-Dinitrobenzene	8	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
1,4-Dinitrobenzene	8	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2,3,4,6-Tetrachlorophenol	2400	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2,3,5,6-Tetrachlorophenol	NE	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2,3-Dichloroaniline	NE	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2,4,5-Trichlorophenol	4	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2,4,6-Trichlorophenol	0.033	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2,4-Dichlorophenol	0.069	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2,4-Dimethylphenol	0.7	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U

Parameter	Sample ID	IAEX-64-8	IAEX-65-15	IAEX-66-5	IAEX-67-30	IAEX-68-5
	Sample Date	06/11/21	06/11/21	06/16/21	06/17/21	06/17/21
	Sheen	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level					
2,4-Dinitrophenol	0.17	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
2,4-Dinitrotoluene	0.033	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2,6-Dinitrotoluene	0.033	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2-Chloronaphthalene	6400	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2-Chlorophenol	0.18	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2-methylphenol	2.3	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2-Nitroaniline	800	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
2-Nitrophenol	NE	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
3,3'-Dichlorobenzidine	0.17	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
3+4-Methylphenol	4000	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
3-Nitroaniline	NE	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
4,6-Dinitro-2-Methylphenol	NE	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
4-Bromophenyl phenyl ether	NE	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
4-Chloro-3-Methylphenol	NE	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
4-Chloroaniline	0.17	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
4-Chlorophenyl phenyl ether	NE	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
4-Nitroaniline	320	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
4-Nitrophenol	7	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Aniline	180	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
Benzyl Alcohol	8000	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Bis(2-Chloroethoxy)Methane	NE	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Bis(2-Chloroethyl)Ether	0.033	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Bis(2-chloroisopropyl) ether	NE	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Bis(2-Ethylhexyl) Phthalate	0.17	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
Butyl benzyl Phthalate	0.17	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
Carbazole	3.7	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Di(2-ethylhexyl)adipate	NE	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
Dibenzofuran	NE	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Dibutyl Phthalate	0.28	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
Diethyl Phthalate	1.1	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
Dimethyl Phthalate	200	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Di-N-Octyl Phthalate	0.17	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
Hexachlorobenzene	0.033	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Hexachlorocyclopentadiene	4	0.044 U	0.043 U	0.058 U	0.061 U	0.038 U
Hexachloroethane	0.033	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Isophorone	0.13	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Nitrobenzene	0.064	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
N-Nitrosodimethylamine	0.033	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
N-Nitrosodi-n-propylamine	0.033	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
N-Nitrosodiphenylamine	0.033	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Pentachlorophenol	0.17	0.22 U	0.22 U	0.21 U	0.22 U	0.19 U
Phenol	0.74	0.044 U	0.043 U	0.042 U	0.043 U	0.038 U
Pyridine	80	0.44 U	0.43 U	0.42 U	0.43 U	0.38 U
Polycyclic Aromatic Hydrocarbons (mg/kg)						
1-Methylnaphthalene	34	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
2-Methylnaphthalene	320	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U

Parameter	Sample ID	IAEX-64-8	IAEX-65-15	IAEX-66-5	IAEX-67-30	IAEX-68-5
	Sample Date	06/11/21	06/11/21	06/16/21	06/17/21	06/17/21
	Sheen	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level					
Acenaphthene	3.1	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Acenaphthylene	NE	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Anthracene	47	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Benzo(a)anthracene	NE	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Benzo(a)pyrene	NE	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Benzo(b)fluoranthene	NE	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Benzo(g,h,i)perylene	NE	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Benzo(j,k)fluoranthene	NE	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Chrysene	NE	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Dibenzo(a,h)anthracene	NE	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Fluoranthene	NE	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Fluorene	1.6	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Indeno(1,2,3-c,d)pyrene	NE	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Naphthalene	4.5	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Phenanthrene	NE	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Pyrene	0.02	0.0089 U	0.0087 U	0.0083 U	0.0087 U	0.0076 U
Total cPAH TEQ (ND=0.5RL)	0.084	0.0067 U	0.0066 U	0.0063 U	0.0066 U	0.0057 U
Total PCB Aroclors	0.05	0.027 U	0.026 U	0.062 U	0.065 U	0.057 U
Organochlorine Pesticides (mg/kg)						
4,4'-DDD	0.01	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
4,4'-DDE	0.01	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
4,4'-DDT	0.01	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
Aldrin	0.005	0.0066 U	0.0065 U	0.0062 U	0.024	0.0057 U
Alpha-BHC	0.005	0.0066 U	0.0065 U	0.0062 U	0.0065 U	0.0057 U
Beta-BHC	0.005	0.0066 U	0.0065 U	0.0062 U	0.0065 U	0.0057 U
cis-Chlordane	0.01	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
trans-Chlordane	0.005	0.0066 U	0.0065 U	0.0062 U	0.0065 U	0.0057 U
Chlordane (Total)	NE	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
Delta-BHC	6	0.0066 U	0.0065 U	0.0062 U	0.0065 U	0.0057 U
Dieldrin	0.01	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
Endosulfan I	0.005	0.0066 U	0.0065 U	0.0062 U	0.0065 U	0.0057 U
Endosulfan II	0.01	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
Endosulfan Sulfate	480	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
Endrin	0.005	0.0066 U	0.0065 U	0.0062 U	0.0065 U	0.0057 U
Endrin Aldehyde	NE	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
Endrin Ketone	NE	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
Gamma-BHC	0.005	0.0066 U	0.0065 U	0.0062 U	0.0065 U	0.0057 U
Heptachlor	0.005	0.0066 U	0.0065 U	0.0062 U	0.0065 U	0.0057 U
Heptachlor Epoxide	0.005	0.0066 U	0.0065 U	0.0062 U	0.0065 U	0.0057 U
Methoxychlor	0.032	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
Toxaphene	0.05	0.066 U	0.065 U	0.062 U	0.065 U	0.057 U
Chlorinated Acid Hericides (mg/kg)						
2,4,5-T	800	0.013 U	0.012 U	0.012 U	0.012 U	0.011 U
2,4,5-TP	640	0.013 U	0.012 U	0.012 U	0.012 U	0.011 U

Parameter	Sample ID	IAEX-64-8	IAEX-65-15	IAEX-66-5	IAEX-67-30	IAEX-68-5
	Sample Date	06/11/21	06/11/21	06/16/21	06/17/21	06/17/21
	Sheen	NS	NS	NS	NS	NS
	PID (ppm)	0.0	0.0	0.0	0.0	0.0
	Soil Interim Action Level					
2,4-D	800	0.012 U	0.012 U	0.012 U	0.012 U	0.011 U
2,4-DB	2400	0.013 U	0.012 U	0.012 U	0.012 U	0.011 U
Dalapon	2400	0.24 U	0.24 U	0.23 U	0.24 U	0.21 U
Dicamba	2400	0.012 U	0.012 U	0.012 U	0.012 U	0.011 U
Dichlorprop	NE	0.094 U	0.092 U	0.088 U	0.092 U	0.081 U
Dinoseb	80	0.013 U	0.012 U	0.012 U	0.012 U	0.011 U
MCPA	40	3.1 U	3 U	2.9 U	3 U	2.7 U
MCPP	80	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
Metals (mg/kg)						
Arsenic	20	13 U	13 U	12 U	13 U	11 U
Cadmium	0.8	0.66 U	0.65 U	0.62 U	0.65 U	0.57 U
Chromium	48	35	30	36	46	28
Copper	36	7.6	10	9.8	9	8.3
Lead	50	6.6 U	6.5 U	6.2 U	6.5 U	5.7 U
Mercury	0.07	0.023 U	0.033	0.025 U	0.026 U	0.023 U
Nickel	48	34	41	47	33	36
Selenium	0.8	0.33 U	0.33 U	0.31 U	0.33 U	0.28 U
Zinc	86	17	26	26	31	22

Notes:

¹ Sample nomenclature is according to the following example: IAEX-1-6 = Interim Action Excavation soil sample number 1, collected at a depth of approximately 6 feet below future final grade.

² All samples analyzed by Onsite Environmental Laboratory.

³ All results are in mg/kg (milligrams per kilogram)

⁴ Nickel concentrations in native soil were observed to be consistently higher than the interim action level, and areas that exceeded interim action levels were not overexcavated.

See report text for further discussion.

U = Analyte not detected at the indicated reporting limit

-- = Analysis not performed

NE = Soil Interim Action Level Not Established

Bold font indicates the analyte was detected

Blue shading indicates the analyte was not detected, at a concentration greater than the Soil Interim Action Level.

Yellow shading indicates the analyte was detected at a concentration greater than the Soil Interim Action Level.

Table 2
Imported Fill Sources Soil Analytical Data
 Go East Corp Landfill Site
 Everett, Washington

Analyte	Sample ID	IMP-S1-1	IMP-S2-1	IMP-S1-3	IMP-S1-5	IMP-S1-8	DUP-1-210623	IMP-S1-9
	Sample Date	6/16/2021	6/16/2021	6/17/2021	6/17/2021	6/23/2021	6/23/2021	6/29/2021
	Interim Action Level							
Total Petroleum Hydrocarbons (mg/kg)								
Gasoline-range hydrocarbons	100	6.3 U	5.9 U	6.0 U	6.1 U	6.1 U	6.3 U	4.7 U
Diesel-range hydrocarbons	NE	28 U	28 U	29 U	28 U	27 U	28 U	28 U
Lube oil-range hydrocarbons	NE	56 U	55 U	74	56 U	54 U	57 U	57 U
Total (Sum of) Diesel- and Lube oil-range hydrocarbons	260	56 U	55 U	74	56 U	54 U	57 U	57 U
Volatile Organic Compounds (mg/kg)								
1,1,1,2-Tetrachloroethane	38	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,1,1-Trichloroethane	1.5	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,1,2,2-Tetrachloroethane	0.001	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,1,2-Trichloroethane	0.0019	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,1-Dichloroethane	0.041	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,1-Dichloroethylene	0.044	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,1-Dichloropropene	NE	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,2,3-Trichlorobenzene	20	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,2,3-Trichloropropane	0.033	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,2,4-Trichlorobenzene	0.033	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,2,4-Trimethylbenzene	800	0.0011 U	0.00097 U	0.0018	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,2-Dibromo-3-Chloropropane	1.3	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
1,2-Dibromoethane	0.001	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,2-Dichlorobenzene	7	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,2-Dichloroethane	0.023	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,2-Dichloropropane	0.0036	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,3,5-Trimethylbenzene	800	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,3-Dichlorobenzene	NE	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,3-Dichloropropane	NE	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
1,4-Dichlorobenzene	0.98	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
2,2-Dichloropropane	NE	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
2-Chloroethyl vinyl ether	NE	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
2-Chlorotoluene	1600	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
2-Hexanone	400	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
4-Chlorotoluene	NE	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
4-Isopropyltoluene	NE	0.0011 U	0.00097 U	0.043	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Acetone	29	0.011 U	0.0097 U	0.04	0.012 U	0.011 U	0.012 U	0.0084 U
Benzene	0.0024	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Bromobenzene	0.56	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Bromochloromethane	NE	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Bromoform	0.03	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
Bromomethane	0.05	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
Carbon disulfide	5	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.0011
Carbon tetrachloride	0.0017	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Chlorobenzene	0.17	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Chloroethane	NE	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
Chloroform	0.074	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Chloromethane	NE	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U

Analyte	Sample ID	IMP-S1-1	IMP-S2-1	IMP-S1-3	IMP-S1-5	IMP-S1-8	DUP-1-210623	IMP-S1-9
	Sample Date	6/16/2021	6/16/2021	6/17/2021	6/17/2021	6/23/2021	6/23/2021	6/29/2021
	Interim Action Level							
cis-1,2-Dichloroethylene	0.078	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
cis-1,3-Dichloropropene	0.0011	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Dibromochloromethane	0.0032	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Dibromomethane	800	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Dichlorobromomethane	0.0038	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Dichlorodifluoromethane	16000	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Ethylbenzene	0.24	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Hexachlorobutadiene	0.033	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
Isopropylbenzene	8000	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Methyl ethyl ketone (MEK)	48000	0.0053 U	0.0049 U	0.013	0.0060 U	0.0053 U	0.0060 U	0.0042 U
Methyl iodide	NE	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
Methyl isobutyl ketone	6400	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
Methyl tert-butyl ether	0.1	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Methylene chloride	0.021	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
Naphthalene	4.5	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
n-Butylbenzene	4000	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
n-Propylbenzene	8000	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Sec-Butylbenzene	8000	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Styrene	2.2	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Tert-Butylbenzene	8000	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Tetrachloroethylene	0.024	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Toluene	0.4	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
trans-1,2-Dichloroethylene	0.52	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
trans-1,3-Dichloropropene	0.0011	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Trichloroethylene	0.0019	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Trichlorofluoromethane	24000	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Vinyl acetate	33	0.0053 U	0.0049 U	0.0066 U	0.0060 U	0.0053 U	0.0060 U	0.0042 U
Vinyl chloride	0.001	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Xylene, m-,p-	14	0.0021 U	0.0019 U	0.0026 U	0.0024 U	0.0021 U	0.0024 U	0.0017 U
Xylene, o-	14	0.0011 U	0.00097 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U	0.00084 U
Semi-Volatile Organic Compounds (mg/kg)								
1,2,4-Trichlorobenzene	0.033	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
1,2-Dichlorobenzene	7.0	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
1,2-Dinitrobenzene	8.0	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
1,2-Diphenylhydrazine	1.3	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
1,3-Dichlorobenzene	NE	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
1,3-Dinitrobenzene	8.0	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
1,4-Dichlorobenzene	0.98	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
1,4-Dinitrobenzene	8.0	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2,3,4,6-Tetrachlorophenol	2,400	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2,3,5,6-Tetrachlorophenol	NE	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2,3-Dichloroaniline	NE	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2,4,5-Trichlorophenol	4.0	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2,4,6-Trichlorophenol	0.033	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2,4-Dichlorophenol	0.069	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2,4-Dimethylphenol	0.70	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2,4-Dinitrophenol	0.17	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
2,4-Dinitrotoluene	0.033	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2,6-Dinitrotoluene	0.033	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2-Chloronaphthalene	6,400	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U

Analyte	Sample ID	IMP-S1-1	IMP-S2-1	IMP-S1-3	IMP-S1-5	IMP-S1-8	DUP-1-210623	IMP-S1-9
	Sample Date	6/16/2021	6/16/2021	6/17/2021	6/17/2021	6/23/2021	6/23/2021	6/29/2021
	Interim Action Level							
2-Chlorophenol	0.18	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2-methylphenol	2.3	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2-Nitroaniline	800	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
2-Nitrophenol	NE	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
3,3-Dichlorobenzidine	0.17	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
3,4-Methylphenol	4,000	0.037 U	0.037 U	0.13	0.037 U	0.036 U	0.038 U	0.038 U
3-Nitroaniline	NE	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
4,6-Dinitro-2-Methylphenol	NE	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
4-Bromophenyl phenyl ether	NE	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
4-Chloro-3-Methylphenol	NE	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
4-Chloroaniline	0.17	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
4-Chlorophenyl phenyl ether	NE	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
4-Nitroaniline	320	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
4-Nitrophenol	7.0	0.037 U	0.037 U	0.039 U	0.037 U	0.057 U	0.038 U	0.038 U
Aniline	180	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
Benzyl Alcohol	11	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Bis(2-Chloroethoxy)Methane	8,000	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Bis(2-Chloroethyl)Ether	NE	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Bis(2-chloroisopropyl) ether	0.033	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Bis(2-Ethylhexyl) Phthalate	0.17	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
Butyl benzyl Phthalate	0.17	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
Carbazole	3.7	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Di(2-ethylhexyl)adipate	NE	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
Dibenzofuran	NE	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Dibutyl Phthalate	0.28	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
Diethyl Phthalate	1.1	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
Dimethyl Phthalate	200	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Di-N-Octyl Phthalate	0.17	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
Hexachlorobenzene	0.033	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Hexachlorobutadiene	0.033	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Hexachlorocyclopentadiene	4.0	0.052 U	0.051 U	0.039 U	0.037 U	0.051 U	0.053 U	0.038 U
Hexachloroethane	0.033	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Isophorone	0.13	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Nitrobenzene	0.064	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
N-Nitrosodimethylamine	0.033	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
N-Nitrosodi-n-propylamine	0.033	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
N-Nitrosodiphenylamine	0.033	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Pentachlorophenol	0.17	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U
Phenol	0.74	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.038 U
Pyridine	80	0.37 U	0.37 U	0.39 U	0.37 U	0.36 U	0.38 U	0.53 U
Polycyclic Aromatic Hydrocarbons (mg/kg)								
1-Methylnaphthalene	34	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
2-Methylnaphthalene	320	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Acenaphthene	3.1	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Acenaphthylene	NE	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Anthracene	47	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Benzo(a)anthracene	NE	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Benzo(a)pyrene	NE	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Benzo(b)fluoranthene	NE	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U

Analyte	Sample ID	IMP-S1-1	IMP-S2-1	IMP-S1-3	IMP-S1-5	IMP-S1-8	DUP-1-210623	IMP-S1-9
	Sample Date	6/16/2021	6/16/2021	6/17/2021	6/17/2021	6/23/2021	6/23/2021	6/29/2021
	Interim Action Level							
Benzo(g,h,i)perylene	NE	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Benzo(j,k)fluoranthene	NE	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Chrysene	NE	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Dibenzo(a,h)anthracene	NE	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Fluoranthene	NE	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Fluorene	1.6	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Indeno(1,2,3-c,d)pyrene	NE	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Naphthalene	4.5	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Phenanthrene	NE	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.0072 U	0.0076 U	0.0075 U
Pyrene	0.02	0.0074 U	0.0073 U	0.0078 U	0.0045 U	0.016 U	0.017 U	0.0075 U
Total cPAH TEQ (ND=0.5RL)	0.084	0.00559 U	0.00551 U	0.00589 U	0.0034 U	0.00544 U	0.00574 U	0.00566 U
Polychlorinated Biphenyls (mg/kg)								
PCB-Aroclor 1016	NE	0.056 U	0.055 U	0.058 U	0.056 U	0.054 U	0.057 U	0.056 U
PCB-Aroclor 1221	NE	0.056 U	0.055 U	0.058 U	0.056 U	0.054 U	0.057 U	0.056 U
PCB-Aroclor 1232	NE	0.056 U	0.055 U	0.058 U	0.056 U	0.054 U	0.057 U	0.056 U
PCB-Aroclor 1242	NE	0.056 U	0.055 U	0.058 U	0.056 U	0.054 U	0.057 U	0.056 U
PCB-Aroclor 1248	NE	0.056 U	0.055 U	0.058 U	0.056 U	0.054 U	0.057 U	0.056 U
PCB-Aroclor 1254	NE	0.056 U	0.055 U	0.058 U	0.056 U	0.054 U	0.057 U	0.056 U
PCB-Aroclor 1260	NE	0.056 U	0.055 U	0.058 U	0.056 U	0.054 U	0.057 U	0.056 U
Total PCBs	0.05	0.056 U	0.055 U	0.058 U	0.056 U	0.054 U	0.057 U	0.056 U
Organochlorine Pesticides (mg/kg)								
4,4'-DDD	0.010	11 U	11 U	12 U	11 U	11 U	11 U	11 U
4,4'-DDE	0.010	11 U	11 U	12 U	11 U	11 U	11 U	11 U
4,4'-DDT	0.010	11 U	11 U	12 U	11 U	11 U	11 U	11 U
Aldrin	0.0050	5.6 U	5.5 U	5.8 U	5.6 U	5.4 U	5.7 U	5.6 U
Alpha-BHC	0.0050	5.6 U	5.5 U	5.8 U	5.6 U	5.4 U	5.7 U	5.6 U
Beta-BHC	0.0050	5.6 U	5.5 U	5.8 U	5.6 U	5.4 U	5.7 U	5.6 U
cis-Chlordane	0.010	11 U	11 U	12 U	11 U	11 U	11 U	11 U
Delta-BHC	6.0	5.6 U	5.5 U	5.8 U	5.6 U	5.4 U	5.7 U	5.6 U
Dieldrin	0.010	11 U	11 U	12 U	11 U	11 U	11 U	11 U
Endosulfan I	0.0050	5.6 U	5.5 U	5.8 U	5.6 U	5.4 U	5.7 U	5.6 U
Endosulfan II	0.010	11 U	11 U	12 U	11 U	11 U	11 U	11 U
Endosulfan Sulfate	480	11 U	11 U	12 U	11 U	11 U	11 U	11 U
Endrin	0.0050	5.6 U	5.5 U	5.8 U	5.6 U	5.4 U	5.7 U	5.6 U
Endrin Aldehyde	NE	11 U	11 U	12 U	11 U	11 U	11 U	11 U
Endrin Ketone	NE	11 U	11 U	12 U	11 U	11 U	11 U	11 U
Gamma-BHC	0.0050	5.6 U	5.5 U	5.8 U	5.6 U	5.4 U	5.7 U	5.6 U
Heptachlor	0.0050	5.6 U	5.5 U	5.8 U	5.6 U	5.4 U	5.7 U	5.6 U
Heptachlor Epoxide	0.0050	5.6 U	5.5 U	5.8 U	5.6 U	5.4 U	5.7 U	5.6 U
Methoxychlor	0.032	11 U	11 U	12 U	11 U	11 U	11 U	11 U
Toxaphene	0.050	56 U	55 U	58 U	56 U	54 U	57 U	56 U
trans-Chlordane	0.0050	5.6 U	5.5 U	5.8 U	5.6 U	5.4 U	5.7 U	5.6 U
Chlorinated Acid Hericides (mg/kg)								
2,4,5-T	800	11 U	10 U	11 U	11 U	10 U	11 U	11 U
2,4,5-TP	640	11 U	10 U	11 U	11 U	10 U	11 U	11 U
2,4-D	800	10 U	10 U	11 U	11 U	10 U	11 U	11 U
2,4-DB	2,400	11 U	10 U	11 U	11 U	10 U	11 U	11 U
Dalapon	2,400	200 U	200 U	210 U	210 U	200 U	210 U	210 U
Dicamba	2,400	10 U	10 U	11 U	11 U	10 U	11 U	11 U
Dichlorprop	NE	79 U	78 U	83 U	79 U	77 U	80 U	80 U

Analyte	Sample ID	IMP-S1-1	IMP-S2-1	IMP-S1-3	IMP-S1-5	IMP-S1-8	DUP-1-210623	IMP-S1-9
	Sample Date	6/16/2021	6/16/2021	6/17/2021	6/17/2021	6/23/2021	6/23/2021	6/29/2021
	Interim Action Level							
Dinoseb	80	11 U	10 U	11 U	11 U	10 U	11 U	11 U
MCPA	40	2600 U	2600 U	2700 U	2600 U	2500 U	2600 U	2600 U
MCPP	80	1000 U	1000 U	1100 U	1000 U	1000 U	1100 U	1100 U
Pentachlorophenol	0.17	5.3 U	5.2 U	5.5 U	5.3 U	5.2 U	5.4 U	5.4 U
Metals (mg/kg)								
Arsenic	20	11 U	11 U	12 U	11 U	5.4 U	5.7 U	5.7
Cadmium	0.8	0.56 U	0.55 U	0.58 U	0.56 U	0.54 U	0.57 U	0.56 U
Chromium	48	32	25	39	28	24	26	32
Copper	36	19	15	15	17	17	17	21
Lead	50	5.6 U	5.5 U	5.8 U	9.9	13	14	5.6 U
Mercury	0.07	0.052	0.036	0.058	0.05	0.058	0.052	0.028
Nickel	48	36	34	32	33	34	35	41
Selenium	0.8	0.3	0.27 U	0.29 U	0.28 U	0.54 U	0.57 U	0.56 U
Zinc	86	39	24	33	48	87	80	39

Notes:

mg/kg = milligram per kilogram

U = Analyte not detected at the indicated reporting limit

-- = Analysis not performed

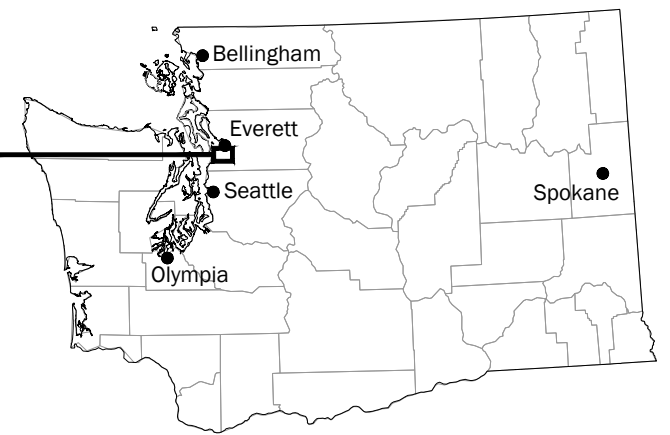
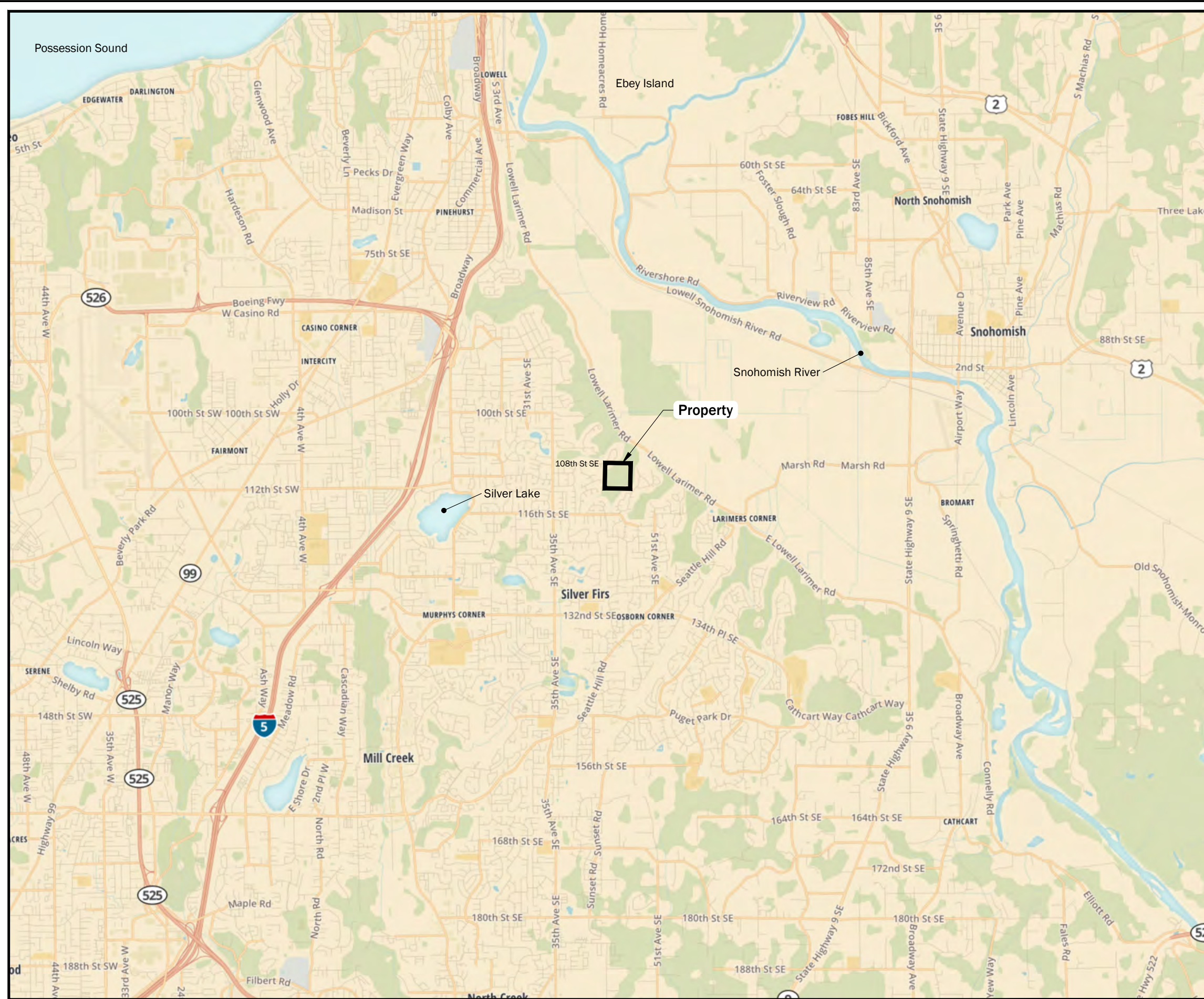
NE = Soil Interim Action Level Not Established

Bold font indicates the analyte was detected

Blue shading indicates the analyte was not detected, at a concentration greater than the Soil Interim Action Level.

Yellow shading indicates the analyte was detected at a concentration greater than the Soil Interim Action Level.

\\geoengineers.com\WAN\Projects\616694002\CAD\03\Geotech\669400203_F01_Vicinity Map.dwg TAB:F01 Date Exported: 01/31/20 - 11:52 by mwwoods



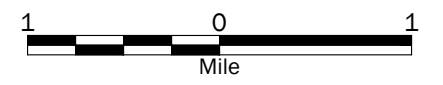
Not To Scale

Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

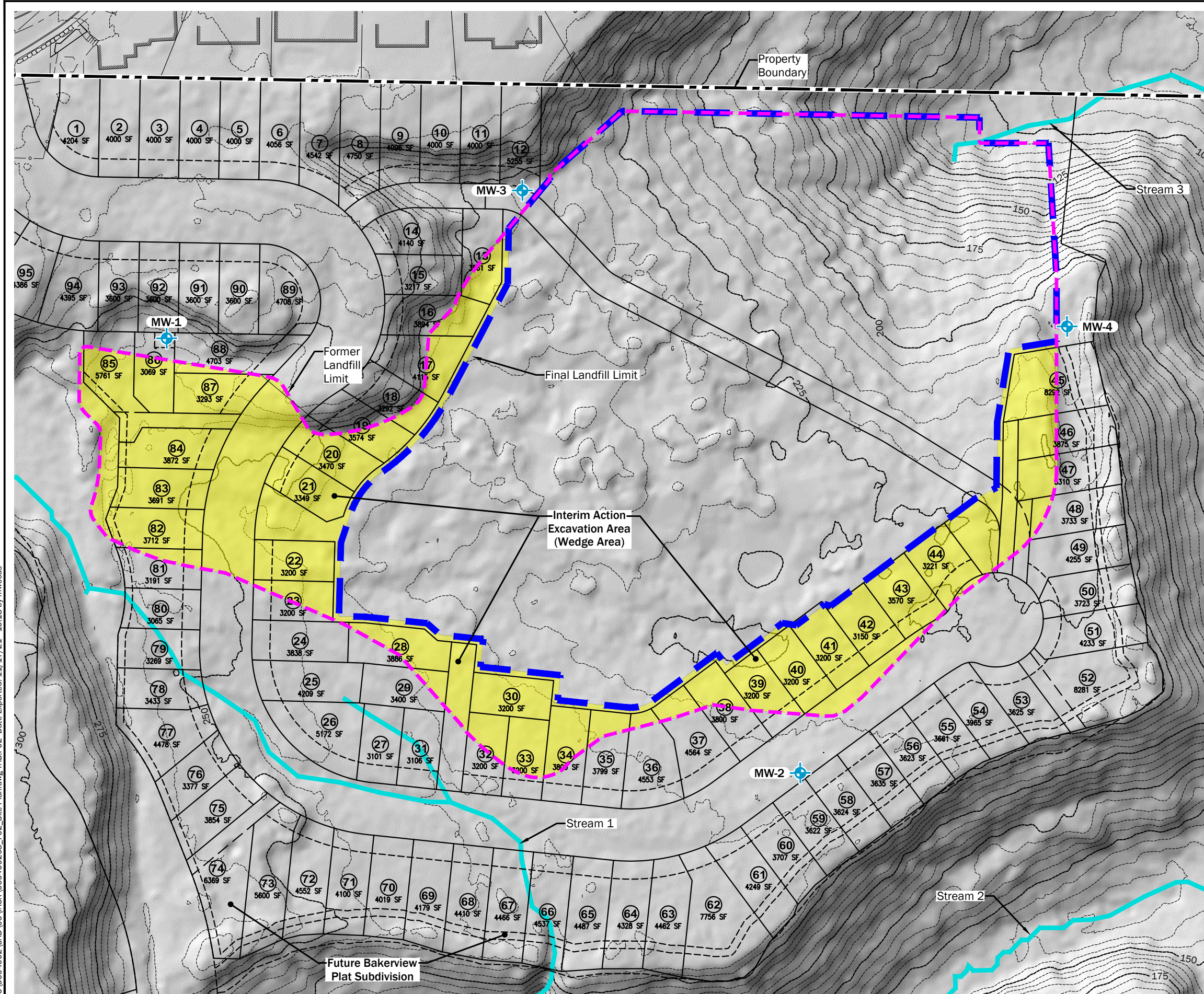
Data Source: Mapbox Open Street Map, 2016.

Projection: NAD 1983 UTM Zone 10N



Vicinity Map	
Go East Corp Landfill Site Everett, Washington	
	Figure 1

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Legend

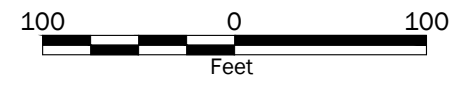
- Property Boundary
- Interim Action Excavation Area (Wedge Area)
- Former Landfill Limit
- Final Landfill Limit
- Groundwater Monitoring Well (AESI, 2009)

Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

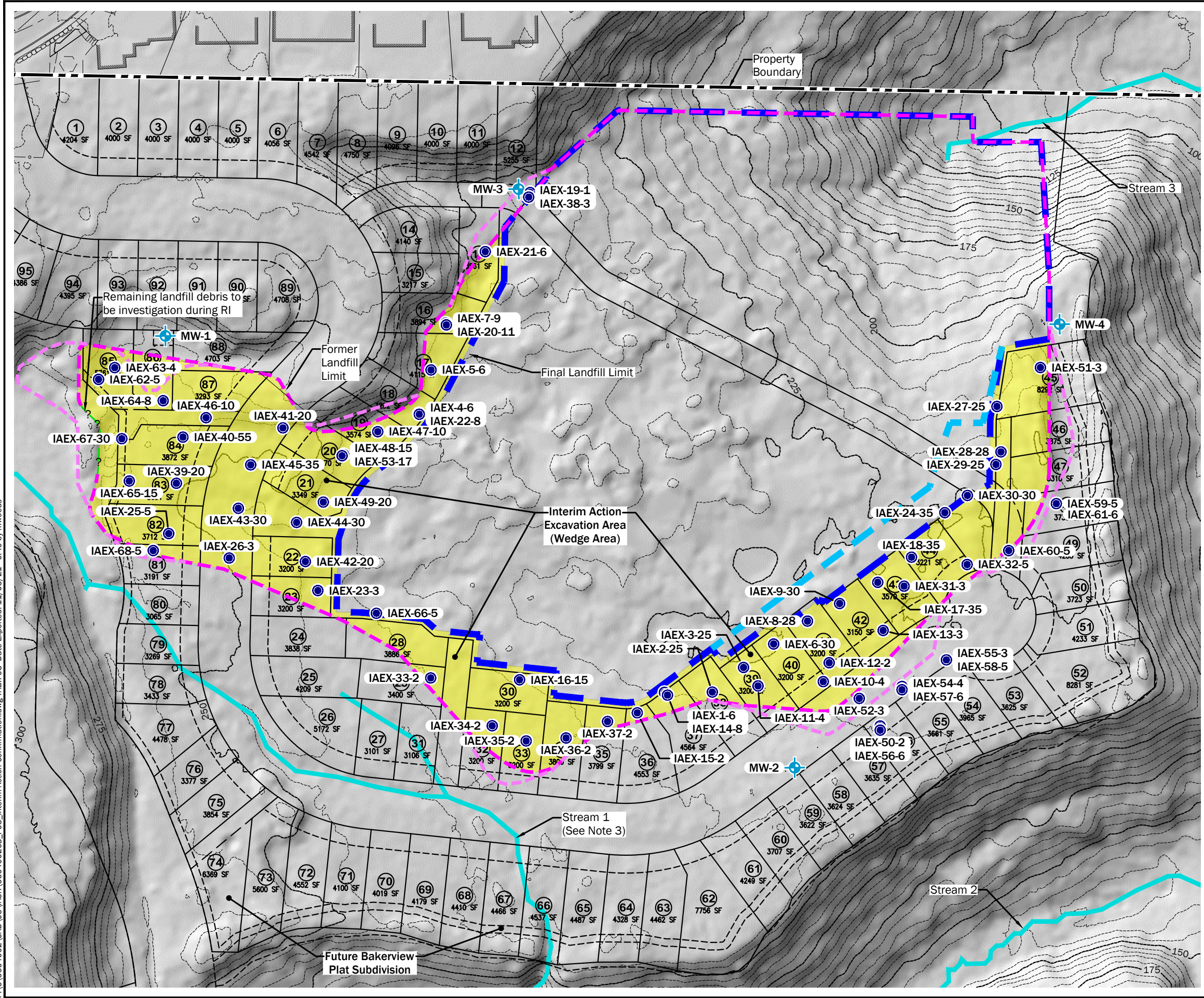
Data Source: Property boundary survey from PACE Engineers, dated 1/27/2020.
 Lidar image and elevation contours from Puget Sound Lidar Consortium dated 2013.

Projection: HPGN (HARN) Washington State Planes, North Zone, US Foot



Site Plan	
Go East Corp Landfill Site Everett, Washington	
	Figure 2

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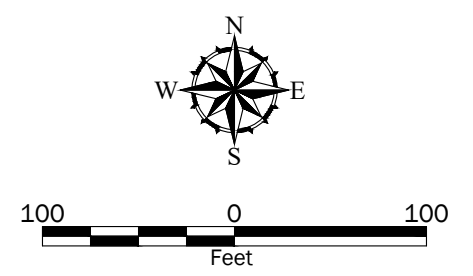
Legend

- Property Boundary
- Interim Action Excavation Area (Wedge Area)
- Former Landfill Limit - Anticipated
- Former Landfill Limit - Actual
- Final Landfill Limit - Anticipated
- Final Landfill Limit - Actual
- Confirmation Soil Sampling Location
- Groundwater Monitoring Well (AESI, 2009)

- Notes:**
1. The locations of all features shown are approximate.
 2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
 3. As of report preparation (August 2021), the stream course has been modified.

Data Source: Property boundary survey from PACE Engineers, dated 1/27/2020.
Lidar image and elevation contours from Puget Sound Lidar Consortium dated 2013.

Projection: HPGN (HARN) Washington State Planes, North Zone, US Foot

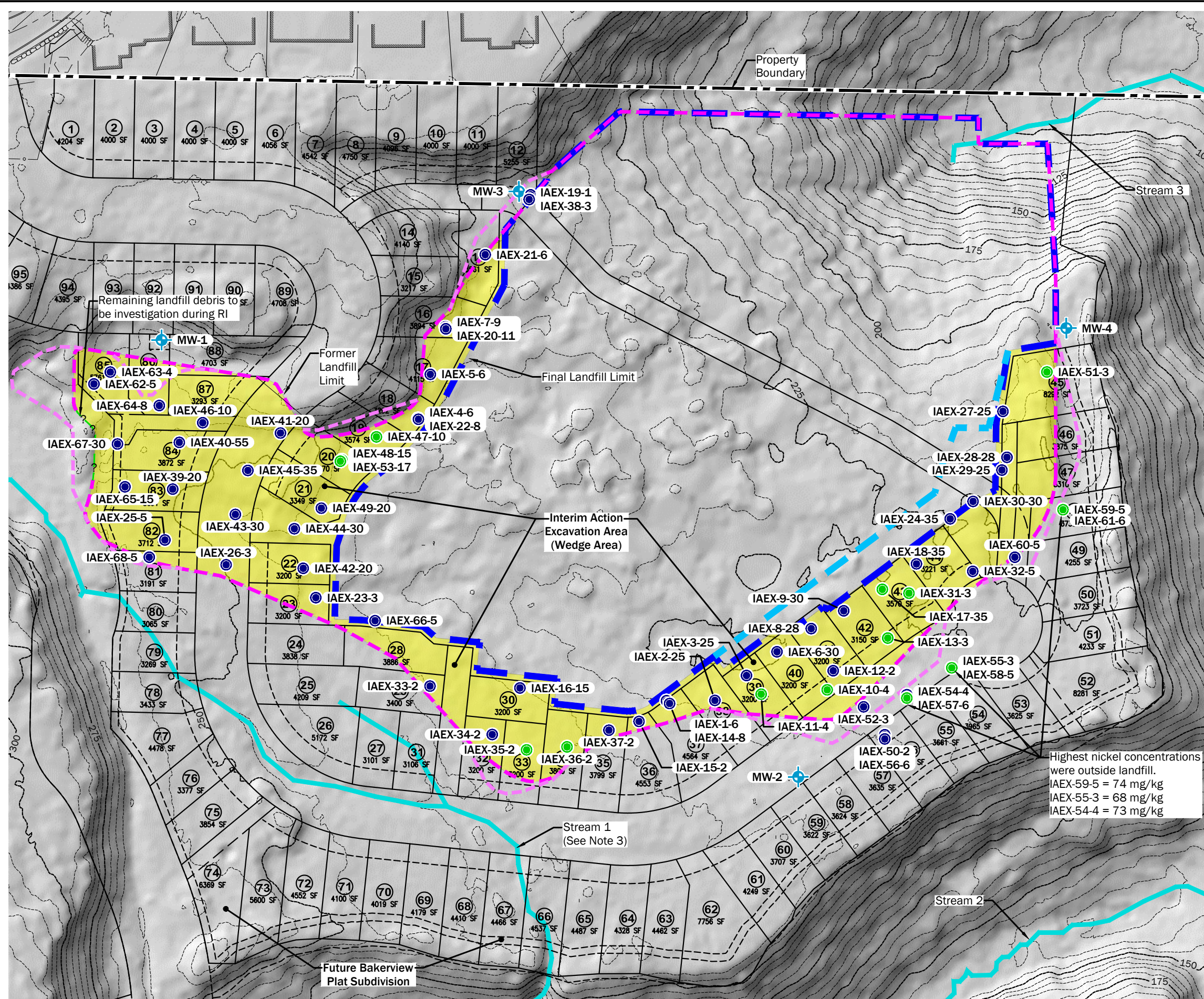


**Interim Action Confirmation
Soil Sampling Locations**

Go East Corp Landfill Site
Everett, Washington

Figure 3

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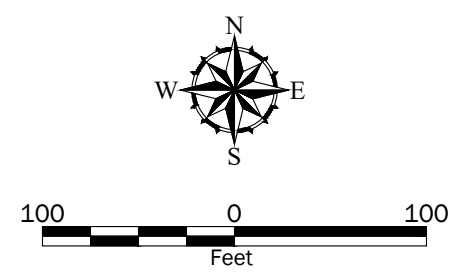
Legend

- Property Boundary
- Interim Action Excavation Area (Wedge Area)
- Former Landfill Limit - Anticipated
- Former Landfill Limit - Actual
- Final Landfill Limit - Anticipated
- Final Landfill Limit - Actual
- Confirmation Soil Sampling Location
- Confirmation soil sampling location (Nickel greater than 48 mg/kg)
- ⊕ Groundwater Monitoring Well (AESI, 2009)

- Notes:**
- The locations of all features shown are approximate.
 - This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
 - As of report preparation (August 2021), the stream course has been modified.

Data Source: Property boundary survey from PACE Engineers, dated 1/27/2020.
Lidar image and elevation contours from Puget Sound Lidar Consortium dated 2013.

Projection: HPGN (HARN) Washington State Planes, North Zone, US Foot

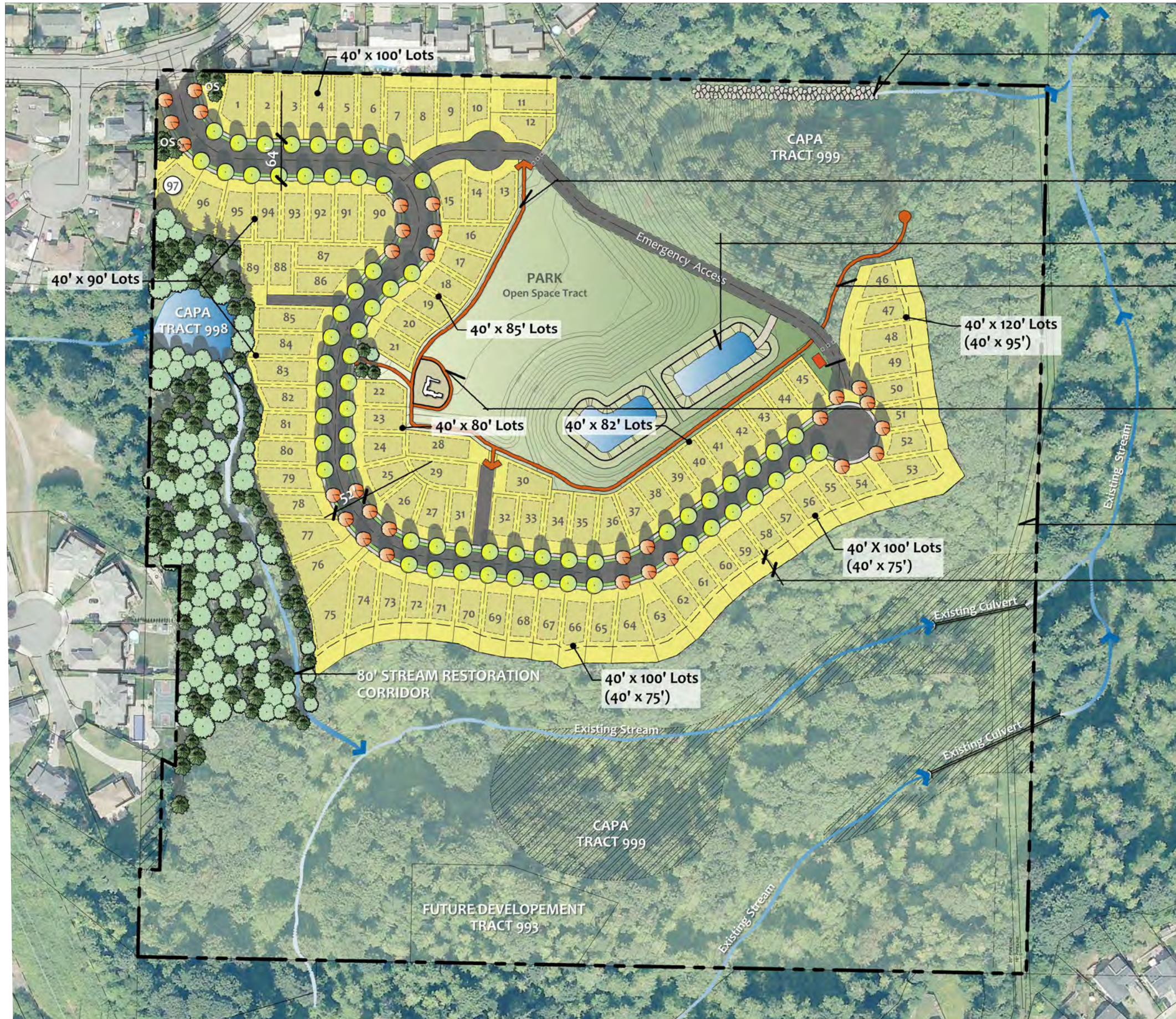


Highest nickel concentrations were outside landfill.
IAEX-59-5 = 74 mg/kg
IAEX-55-3 = 68 mg/kg
IAEX-54-4 = 73 mg/kg

**Interim Action Confirmation
Soil Sampling Locations - Nickel in Native Soil Exceeding
Washington State Background Concentrations**

**Go East Corp Landfill Site
Everett, Washington**

Figure 4



Stormwater Outfall

1/4 Mile Fitness Trail

Stormwater Ponds

Community Open Space Neighborhood Trail

Potential Play Area

Olympic Pipeline Easement

25' Stream Buffer at top of slope / native growth protection easement

N

0 30 60 120

SCALE IN FEET

Data Source: Figure by PACE Engineers entitled "Bakerview Proposed Plat", dated 3/28/2017.

Planned Development Layout

Go East Corp Landfill Site
Everett, Washington

GEOENGINEERS

Figure 5

APPENDIX A
Results of Pre-Construction Sampling Memorandum

To: Alan Noell and Tim O'Connor, Washington Department of Ecology
Cc: Marty Penhallegon and Gary East, P&GE, LLC
From: Rob Leet and Terry McPhetridge
Date: July 30, 2020
File: 6694-002-03
Subject: Results of Pre-Construction Soil Sampling – Go East Corp Landfill Site, Everett, Washington

This memorandum transmits laboratory testing results for soil samples, samples of suspect asbestos-containing material (ACM), and samples of suspect lead-based paint (LBP) collected at the Go East Corp Landfill Site in Everett, Washington (Site) on June 29 and 30, 2020. The samples were collected and analyzed in accordance with the Public Review Draft *Interim Action Work Plan, Go East Corp Landfill Site, Everett, Washington* prepared by GeoEngineers, dated April 23, 2020 (IAWP).

A map showing the sampling locations is provided in Figure 1. The laboratory analytical testing results for soil samples are summarized in Tables 1, 2, and 3. Test pit logs, laboratory analytical reports, and an Asbestos and Lead-Based Paint Survey report prepared by Pacific Rim Environmental (PacRim) also are attached.

ON-SITE FILL SOURCE SOIL SAMPLES

One soil sample was submitted for laboratory analysis from each of ten test pits completed in the on-site source areas for structural fill (test pits Fill-01 through Fill-10; see Figure 1). The samples were collected at depths of 1 to 3 feet below ground surface (bgs). Due to the presence of dense vegetation that prevented access for land surveying and sampling, six of the on-site fill source samples were collected at different locations than proposed in the IAWP. GeoEngineers submitted a map showing approximate proposed alternate sampling locations to the Washington Department of Ecology (Ecology) on June 26, 2020. Ecology approved the proposed alternate locations on June 29, 2020.

The on-site fill source samples were analyzed for metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc), polychlorinated biphenyls (PCBs), and polycyclic aromatic hydrocarbons (PAHs) to evaluate background concentrations of these constituents. In addition, three of the samples were analyzed for total petroleum hydrocarbons as gasoline range organics (GRO), diesel range organics (DRO), and heavy oil range organics (ORO); volatile organic compounds (VOCs); semivolatile organic compounds (SVOCs); organochlorine pesticides; and chlorinated acid herbicides.

The analytical results for the on-site fill source samples are summarized in Table 1. Chromium, copper, nickel, and zinc were the only constituents detected above laboratory reporting limits in the on-site fill source samples. None of these metals was detected at concentrations exceeding the respective interim action levels (IALs) developed by Ecology. The reported metal concentrations in the samples are consistent with natural background concentrations presented in *Natural Background Soil Metals Concentrations in Washington State* (Ecology Publication #94-115, October 1994).

The approximate current Landfill limit shown in the IAWP figures was adjusted slightly near test pits Fill-04 and Fill-08 based on the laboratory testing results and the observed topography and soil types in the vicinity of these test pits. The approximate current Landfill limit shown on the attached Figure 1 reflects the minor adjustments that were made.

FORMER STORAGE TANK AREA SOIL SAMPLE

In accordance with the IAWP, one soil sample was submitted for laboratory analysis from the former storage tank location (i.e., location FST-01; see Figure 1). The former storage tank location was identified and staked in the field by a professional land surveyor from PACE Engineers (PACE) on June 25, 2020 using geospatial coordinates for the tank's location derived from a land survey performed by PACE in 2009, when the tank was still present on the property.

The former storage tank area was mostly devoid of vegetation. It appeared that vegetation in the area had been previously cut and cleared, possibly by the owner of the west-adjacent residence. Sparse leaves and twigs on the ground surface in the vicinity of the survey stake were cleared and surficial soil was inspected for signs of potential contamination. No evidence of contamination was observed. Accordingly, the soil sample was collected from a depth of approximately 1 foot bgs at the staked location per the IAWP. The former storage tank area sample was analyzed for GRO, DRO, and ORO; and benzene, toluene, ethylbenzene, and xylenes (BTEX).

The analytical results for the former storage tank area sample are summarized in Table 1. GRO and BTEX were not detected above laboratory reporting limits in the former storage tank area sample. DRO and ORO were detected at concentrations less than the IAL for total DRO and ORO. In accordance with the IAWP, no follow-up analyses were performed on the former storage tank area soil sample.

SUPPLEMENTAL LANDFILL MATERIAL SOIL SAMPLES

One soil sample was collected for laboratory analysis from each of twelve test pits completed in the interim action excavation area (test pits STP-01 through STP-12; see Figure 1). In accordance with the IAWP, the test pits were completed adjacent to the June 2019 test pit locations where the highest concentrations of hazardous substances were detected relative to the IALs. Details regarding the landfill material sampling conducted in June 2019 are provided in the IAWP.

The types of landfill materials encountered in the June 2020 test pits (documented on the test pit logs in Attachment A) were similar to the materials encountered in the June 2019 test pits. Test pits STP-01 and STP-02 were completed in the vicinity of June 2019 test pits TP-1 and TP-2 (Figure 1). The reported ORO concentrations in soil samples collected from test pits TP-1 and TP-2 in June 2019 were among the highest concentrations detected in the June 2019 samples. The highest ORO concentration detected in June 2019 was 28,000 milligrams per kilogram (mg/kg) in a sample collected from TP-1 at a depth of 20 feet bgs.

The soil samples obtained from test pits STP-01 and STP-02 in June 2020 were collected at depths of 20 feet bgs and 11 feet bgs, respectively. The samples obtained from test pits STP-03 through STP-09, STP-11, and STP-12 were collected at depths of 2 to 15 feet bgs. The sample obtained from test pit STP-10 was collected from the stockpile of material excavated from the test pit. The samples were analyzed for GRO, DRO, and ORO; VOCs;

SVOCs; PCBs; organochlorine pesticides; chlorinated acid herbicides; and metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc).

The analytical results for the supplemental landfill material samples are summarized in Table 2. The primary constituents detected were ORO, PAHs, and metals. The detection of ORO and PAHs in the samples is consistent with the known presence of charred materials, asphalt-based roofing materials, and asphalt concrete rubble in the Landfill. The reported concentrations of ORO, PAHs, and metals were consistent (in order of magnitude) with the reported concentrations of these constituents in the June 2019 landfill material soil samples.

Limited detections of individual VOCs, SVOCs, PCBs, pesticides, and herbicides also were reported at low levels in some supplemental landfill material samples. PCBs (Aroclor 1254) were detected in two samples. The reported PCB detections were less than the IAWP-defined threshold of 1 mg/kg for managing excavated landfill material in accordance with Federal Toxic Substances Control Act requirements for PCB remediation waste.

Lead was the only constituent detected at concentrations (in mg/kg) greater than 20 times the respective toxicity characteristic dangerous waste thresholds (in milligrams per liter [mg/L]) provided in Section 173-303-090(8) of the Washington Administrative Code. Lead was detected at concentrations greater than 20 times the associated dangerous waste threshold of 5.0 mg/L in eight samples. Total lead concentrations in these eight samples ranged from 110 to 200 mg/kg. Follow-up Toxicity Characteristic Leaching Procedure (TCLP) lead analysis was performed on these samples.¹

The follow-up TCLP analytical results for the supplemental landfill material samples are summarized in Table 3. TCLP lead was not detected above the laboratory reporting limit in seven of the eight samples. The one sample with a positive detection of TCLP lead (sample STP-05-10) had a reported lead concentration of 0.57 mg/L in the TCLP extract. This is less than the dangerous waste threshold of 5.0 mg/L.

The sample with the highest reported concentration of total mercury (1.3 mg/kg in sample STP-05-10) was analyzed for TCLP mercury. Mercury was not detected above the laboratory reporting limit of 0.0050 mg/L in the TCLP extract (Table 3). The dangerous waste threshold for TCLP mercury is 0.2 mg/L.

Follow-up analysis for DRO and ORO using Method NWTPH-Dx with acid/silica gel cleanup was performed on the eight samples with the highest reported ORO concentrations. The reported ORO concentrations in these samples (from the initial analyses without acid/silica gel cleanup) ranged from 430 to 10,000 mg/kg. These detections may reflect the presence of asphalt debris in the Landfill. The ORO results from the follow-up analyses performed with acid/silica gel cleanup were lower than the results from the initial analyses (Table 2). This suggests the ORO results from the initial analyses may be biased high due to analytical interference by biogenic organics such as tannins and lignins from woody debris in the Landfill.

¹ For details regarding the rationale for performing follow-up TCLP analysis only on samples with constituent concentrations greater than 20 times the toxicity characteristic dangerous waste threshold, see "Total Constituent Analysis Instead of TCLP Analysis" at https://archive.epa.gov/epawaste/hazard/web/html/faq_tclp.html#Total.

ASBESTOS AND LEAD-BASED PAINT TESTING RESULTS

A certified asbestos professional and lead inspector/risk assessor from PacRim collected and submitted 16 samples of suspect ACM and four samples of suspect LBP for laboratory testing. The samples of suspect ACM were collected from five test pits (STP-01, STP-02, STP-03, STP-07, and STP-12) and the samples of suspect LBP were collected from three test pits (STP-04, STP-06, and STP-10). Details of the suspect ACM and LBP sampling and testing results are provided in the attached Asbestos and Lead-Based Paint Survey report prepared by PacRim.

Three of the sixteen suspect ACM samples were found to contain more than 1 percent asbestos. Accordingly, the associated materials were designated as ACM per Puget Sound Clean Air Agency Regulation III, Article 4, Section 4.01. The ACM was encountered at test pits STP-01, STP-02, STP-03, and STP-07, and comprised three types of material:

- Built-up roofing and insulation debris.
- Built-up roofing and pea gravel ballast.
- Cement board.

The remaining 13 samples of suspect ACM were found to contain less than 1 percent asbestos and therefore the associated materials were not designated as ACM.

None of the suspect LBP samples was found to contain lead at a concentration exceeding the U.S. Environmental Protection Agency threshold for designation as LBP of 0.5 percent lead. Accordingly, none of the suspect LBP samples was designated as LBP.

Attachments:

Table 1. Analytical Results for On-Site Fill Source Soil Samples and Former Storage Tank Area Soil Sample (June 2020)

Table 2. Analytical Results for Supplemental Landfill Material Soil Samples (June 2020)

Table 3. Follow-Up TCLP Analytical Results for Supplemental Landfill Material Soil Samples (June 2020)

Figure 1. Soil Sampling Locations

Attachment A. Test Pit Logs

Attachment B. Laboratory Analytical Reports

Attachment C. Asbestos and Lead-Based Paint Survey Report prepared by Pacific Rim Environmental

Table 1

Analytical Results for On-Site Fill Source Soil Samples and Former Storage Tank Area Soil Sample (June 2020)

Go East Corp Landfill Site
Everett, Washington

Location Identification:	Fill-01	Fill-02	Fill-03	Fill-04	Fill-05	Fill-06	Fill-07	Fill-08	Fill-09	Fill-10	FST-01	Interim Action Level (a)
Sample Identification:	Fill-01-3	Fill-02-3	Fill-03-3	Fill-04-3	Fill-05-3	Fill-06-3	Fill-07-1	Fill-08-3	Fill-09-3	Fill-10-3	FST-01-1	
Sample Date:	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	
Approximate Sample Depth (ft bgs):	3	3	3	3	3	3	1	3	3	3	1	
Elevation (ft NAVD88):	292.4	290.5	283.3	265.1	260.1	243.9	239.9	237.4	238.5	235.6	300.8	
Northing (ft WSPN):	330946.2	330900.5	330823.2	330730.3	330762.8	330397.8	330338.3	330310.7	330270.3	330247.4	330845.0	
Easting (ft WSPN):	1311613.2	1311734.2	1311830.1	1311724.4	1311637.6	1311796.2	1311914.0	1311982.3	1312052.1	1312130.7	1311480.4	
Total Petroleum Hydrocarbons by Ecology Methods NWTPH-Gx and NWTPH-Dx (without Acid/Silica Gel Cleanup) (mg/kg)												
Gasoline Range Organics (GRO)	--	--	6.3 U	--	--	6.9 U	--	--	6.7 U	--	5.8 U	30/100
Diesel Range Organics (DRO)	--	--	27 U	--	--	30 U	--	--	29 U	--	93	--
Heavy Oil Range Organics (ORO)	--	--	54 U	--	--	60 U	--	--	57 U	--	160	--
Total Diesel and Heavy Oil Range Organics (DRO+ORO)	--	--	54 U	--	--	60 U	--	--	57 U	--	253	260
Aromatic Volatile Organic Compounds by EPA Method 8021B (mg/kg)												
Benzene	--	--	--	--	--	--	--	--	--	--	0.020 U	0.0024
Toluene	--	--	--	--	--	--	--	--	--	--	0.058 U	0.40
Ethylbenzene	--	--	--	--	--	--	--	--	--	--	0.058 U	0.24
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	0.058 U	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	0.058 U	--
Total Xylenes	--	--	--	--	--	--	--	--	--	--	0.058 U	14
Volatile Organic Compounds by EPA Method 8260D (mg/kg)												
1,1,1,2-Tetrachloroethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	38
1,1,1-Trichloroethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	1.5
1,1,2,2-Tetrachloroethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0010
1,1,2-Trichloroethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0019
1,1-Dichloroethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.041
1,1-Dichloroethylene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.044
1,1-Dichloropropene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	--
1,2,3-Trichlorobenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	20
1,2,3-Trichloropropane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.033
1,2,4-Trichlorobenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.033
1,2,4-Trimethylbenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	800
1,2-Dibromo-3-Chloropropane	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	1.3
1,2-Dichlorobenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	7.0
1,2-Dichloroethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.023
1,2-Dichloropropane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0036
1,3,5-Trimethylbenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	800
1,3-Dichlorobenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	--
1,3-Dichloropropane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	--
1,4-Dichlorobenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.98
2,2-Dichloropropane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	--
2-Chloroethyl vinyl ether	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	--
2-Chlorotoluene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	1,600
2-Hexanone	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	400
4-Chlorotoluene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	--
4-Isopropyltoluene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	--
Acetone	--	--	0.012 U	--	--	0.011 U	--	--	0.013 U	--	--	29
Benzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0024

Table 1

Analytical Results for On-Site Fill Source Soil Samples and Former Storage Tank Area Soil Sample (June 2020)

Go East Corp Landfill Site
Everett, Washington

Location Identification:	Fill-01	Fill-02	Fill-03	Fill-04	Fill-05	Fill-06	Fill-07	Fill-08	Fill-09	Fill-10	FST-01	Interim Action Level (a)
Sample Identification:	Fill-01-3	Fill-02-3	Fill-03-3	Fill-04-3	Fill-05-3	Fill-06-3	Fill-07-1	Fill-08-3	Fill-09-3	Fill-10-3	FST-01-1	
Sample Date:	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	
Approximate Sample Depth (ft bgs):	3	3	3	3	3	3	1	3	3	3	1	
Elevation (ft NAVD88):	292.4	290.5	283.3	265.1	260.1	243.9	239.9	237.4	238.5	235.6	300.8	
Northing (ft WSPN):	330946.2	330900.5	330823.2	330730.3	330762.8	330397.8	330338.3	330310.7	330270.3	330247.4	330845.0	
Easting (ft WSPN):	1311613.2	1311734.2	1311830.1	1311724.4	1311637.6	1311796.2	1311914.0	1311982.3	1312052.1	1312130.7	1311480.4	
Bromobenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.56
Bromochloromethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	--
Bromoform	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	0.030
Bromomethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.050
Carbon Disulfide	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	5.0
Carbon Tetrachloride	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0017
Chlorobenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.17
Chloroethane	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	--
Chloroform	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.074
Chloromethane	--	--	0.0079 U	--	--	0.0071 U	--	--	0.0087 U	--	--	--
cis-1,2-Dichloroethylene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.078
cis-1,3-Dichloropropene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0011
Dibromochloromethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0032
Dibromomethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	800
Dichlorobromomethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0038
Dichlorodifluoromethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	16,000
Ethylbenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.24
Ethylene dibromide	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0010
Hexachlorobutadiene	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	0.033
Isopropylbenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	8,000
Methyl ethyl ketone (MEK)	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	48,000
Methyl Iodide	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	--
Methyl isobutyl ketone	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	6,400
Methyl tert-butyl ether	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.10
Methylene Chloride	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	0.021
Naphthalene	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	4.5
n-Butylbenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	4,000
n-Propylbenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	8,000
Sec-Butylbenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	8,000
Styrene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	2.2
Tert-Butylbenzene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	8,000
Tetrachloroethylene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.024
Toluene	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	0.40
m,p-Xylene	--	--	0.0024 U	--	--	0.0022 U	--	--	0.0027 U	--	--	--
o-Xylene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	--
Total Xylenes	--	--	0.0024 U	--	--	0.0022 U	--	--	0.0027 U	--	--	14
trans-1,2-Dichloroethylene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.52
trans-1,3-Dichloropropene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0011
Trichloroethylene	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0019
Trichlorofluoromethane	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	24,000

Table 1

Analytical Results for On-Site Fill Source Soil Samples and Former Storage Tank Area Soil Sample (June 2020)

Go East Corp Landfill Site
Everett, Washington

Location Identification:	Fill-01	Fill-02	Fill-03	Fill-04	Fill-05	Fill-06	Fill-07	Fill-08	Fill-09	Fill-10	FST-01	Interim Action Level (a)
Sample Identification:	Fill-01-3	Fill-02-3	Fill-03-3	Fill-04-3	Fill-05-3	Fill-06-3	Fill-07-1	Fill-08-3	Fill-09-3	Fill-10-3	FST-01-1	
Sample Date:	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	
Approximate Sample Depth (ft bgs):	3	3	3	3	3	3	1	3	3	3	1	
Elevation (ft NAVD88):	292.4	290.5	283.3	265.1	260.1	243.9	239.9	237.4	238.5	235.6	300.8	
Northing (ft WSPN):	330946.2	330900.5	330823.2	330730.3	330762.8	330397.8	330338.3	330310.7	330270.3	330247.4	330845.0	
Easting (ft WSPN):	1311613.2	1311734.2	1311830.1	1311724.4	1311637.6	1311796.2	1311914.0	1311982.3	1312052.1	1312130.7	1311480.4	
Vinyl Acetate	--	--	0.0061 U	--	--	0.0055 U	--	--	0.0067 U	--	--	33
Vinyl Chloride	--	--	0.0012 U	--	--	0.0011 U	--	--	0.0013 U	--	--	0.0010
Semivolatle Organic Compounds with Low-Level Polycyclic Aromatic Hydrocarbons by EPA Method 8270E/Selective Ion Monitoring (mg/kg)												
1,2-Dinitrobenzene	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	8.0
1,2-Diphenylhydrazine	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	1.3
1,3-Dinitrobenzene	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	8.0
1,4-Dinitrobenzene	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	8.0
2,3,4,6-Tetrachlorophenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	2,400
2,3,5,6-Tetrachlorophenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	--
2,3-Dichloroaniline	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	--
2,4,5-Trichlorophenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	4.0
2,4,6-Trichlorophenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.033
2,4-Dichlorophenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.069
2,4-Dimethylphenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.70
2,4-Dinitrophenol	--	--	0.18 U	--	--	0.45 U	--	--	0.43 U	--	--	0.17
2,4-Dinitrotoluene	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.033
2,6-Dinitrotoluene	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.033
2-Chloronaphthalene	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	6,400
2-Chlorophenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.18
2-Methylphenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	2.3
2-Nitroaniline	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	800
2-Nitrophenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	--
3,3'-Dichlorobenzidine	--	--	0.18 U	--	--	0.20 U	--	--	0.19 U	--	--	0.17
3+4-Methylphenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	4,000
3-Nitroaniline	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	--
4,6-Dinitro-2-Methylphenol	--	--	0.18 U	--	--	0.34 U	--	--	0.33 U	--	--	--
4-Bromophenyl phenyl ether	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	--
4-Chloro-3-Methylphenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	--
4-Chloroaniline	--	--	0.18 U	--	--	0.20 U	--	--	0.19 U	--	--	0.17
4-Chlorophenyl phenyl ether	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	--
4-Nitroaniline	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	320
4-Nitrophenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	7.0
Aniline	--	--	0.18 U	--	--	0.20 U	--	--	0.19 U	--	--	180
Benzyl Alcohol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	8,000
Bis(2-Chloroethoxy)Methane	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	--
Bis(2-Chloroethyl)Ether	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.033
Bis(2-chloroisopropyl) ether	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	--
Bis(2-Ethylhexyl) Phthalate	--	--	0.18 U	--	--	0.20 U	--	--	0.19 U	--	--	0.17
Butyl benzyl Phthalate	--	--	0.18 U	--	--	0.20 U	--	--	0.19 U	--	--	0.17
Carbazole	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	3.7

Table 1

Analytical Results for On-Site Fill Source Soil Samples and Former Storage Tank Area Soil Sample (June 2020)

Go East Corp Landfill Site
Everett, Washington

Location Identification:	Fill-01	Fill-02	Fill-03	Fill-04	Fill-05	Fill-06	Fill-07	Fill-08	Fill-09	Fill-10	FST-01	Interim Action Level (a)
Sample Identification:	Fill-01-3	Fill-02-3	Fill-03-3	Fill-04-3	Fill-05-3	Fill-06-3	Fill-07-1	Fill-08-3	Fill-09-3	Fill-10-3	FST-01-1	
Sample Date:	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	
Approximate Sample Depth (ft bgs):	3	3	3	3	3	3	1	3	3	3	1	
Elevation (ft NAVD88):	292.4	290.5	283.3	265.1	260.1	243.9	239.9	237.4	238.5	235.6	300.8	
Northing (ft WSPN):	330946.2	330900.5	330823.2	330730.3	330762.8	330397.8	330338.3	330310.7	330270.3	330247.4	330845.0	
Easting (ft WSPN):	1311613.2	1311734.2	1311830.1	1311724.4	1311637.6	1311796.2	1311914.0	1311982.3	1312052.1	1312130.7	1311480.4	
Di(2-ethylhexyl)adipate	--	--	0.18 U	--	--	0.20 U	--	--	0.19 U	--	--	--
Dibenzofuran	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	--
Dibutyl Phthalate	--	--	0.18 U	--	--	0.20 U	--	--	0.19 U	--	--	0.28
Diethyl Phthalate	--	--	0.18 U	--	--	0.20 U	--	--	0.19 U	--	--	1.1
Dimethyl Phthalate	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	200
Di-N-Octyl Phthalate	--	--	0.18 U	--	--	0.20 U	--	--	0.19 U	--	--	0.17
Hexachlorobenzene	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.033
Hexachlorocyclopentadiene	--	--	0.036 U	--	--	0.078 U	--	--	0.075 U	--	--	4.0
Hexachloroethane	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.033
Isophorone	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.13
Nitrobenzene	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.064
N-Nitrosodimethylamine	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.033
N-Nitrosodi-n-propylamine	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.033
N-Nitrosodiphenylamine	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.033
Pentachlorophenol	--	--	0.18 U	--	--	0.20 U	--	--	0.19 U	--	--	0.17
Phenol	--	--	0.036 U	--	--	0.040 U	--	--	0.038 U	--	--	0.74
Pyridine	--	--	0.36 U	--	--	0.40 U	--	--	0.38 U	--	--	80
1-Methylnaphthalene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	34
2-Methylnaphthalene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	320
Acenaphthene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	3.1
Acenaphthylene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	--
Anthracene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	47
Benzo(a)anthracene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	--
Benzo(a)pyrene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	--
Benzo(b)fluoranthene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	--
Benzo(g,h,i)perylene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	--
Benzo(j,k)fluoranthene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	--
Chrysene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	--
Dibenz(a,h)anthracene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	--
Fluoranthene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	0.020
Fluorene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	1.6
Indeno(1,2,3-c,d)pyrene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	--
Naphthalene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	4.5
Phenanthrene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	--
Pyrene	0.0069 U	0.0075 U	0.0072 U	0.0076 U	0.0078 U	0.0080 U	0.0091 U	0.0077 U	0.0077 U	0.0076 U	--	0.020
cPAHs (TTEC) (b)	0.0052 U	0.0057 U	0.0054 U	0.0057 U	0.0059 U	0.0060 U	0.0069 U	0.0058 U	0.0058 U	0.0057 U	--	0.084
Polychlorinated Biphenyls as Aroclors by EPA Method 8082A (mg/kg)												
Aroclor 1016	0.052 U	0.056 U	0.054 U	0.057 U	0.059 U	0.060 U	0.068 U	0.058 U	0.057 U	0.057 U	--	--
Aroclor 1221	0.052 U	0.056 U	0.054 U	0.057 U	0.059 U	0.060 U	0.068 U	0.058 U	0.057 U	0.057 U	--	--
Aroclor 1232	0.052 U	0.056 U	0.054 U	0.057 U	0.059 U	0.060 U	0.068 U	0.058 U	0.057 U	0.057 U	--	--

Table 1

Analytical Results for On-Site Fill Source Soil Samples and Former Storage Tank Area Soil Sample (June 2020)

Go East Corp Landfill Site
Everett, Washington

Location Identification:	Fill-01	Fill-02	Fill-03	Fill-04	Fill-05	Fill-06	Fill-07	Fill-08	Fill-09	Fill-10	FST-01	Interim Action Level (a)
Sample Identification:	Fill-01-3	Fill-02-3	Fill-03-3	Fill-04-3	Fill-05-3	Fill-06-3	Fill-07-1	Fill-08-3	Fill-09-3	Fill-10-3	FST-01-1	
Sample Date:	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	
Approximate Sample Depth (ft bgs):	3	3	3	3	3	3	1	3	3	3	1	
Elevation (ft NAVD88):	292.4	290.5	283.3	265.1	260.1	243.9	239.9	237.4	238.5	235.6	300.8	
Northing (ft WSPN):	330946.2	330900.5	330823.2	330730.3	330762.8	330397.8	330338.3	330310.7	330270.3	330247.4	330845.0	
Easting (ft WSPN):	1311613.2	1311734.2	1311830.1	1311724.4	1311637.6	1311796.2	1311914.0	1311982.3	1312052.1	1312130.7	1311480.4	
Aroclor 1242	0.052 U	0.056 U	0.054 U	0.057 U	0.059 U	0.060 U	0.068 U	0.058 U	0.057 U	0.057 U	--	--
Aroclor 1248	0.052 U	0.056 U	0.054 U	0.057 U	0.059 U	0.060 U	0.068 U	0.058 U	0.057 U	0.057 U	--	--
Aroclor 1254	0.052 U	0.056 U	0.054 U	0.057 U	0.059 U	0.060 U	0.068 U	0.058 U	0.057 U	0.057 U	--	--
Aroclor 1260	0.052 U	0.056 U	0.054 U	0.057 U	0.059 U	0.060 U	0.068 U	0.058 U	0.057 U	0.057 U	--	--
Total PCB Aroclors	0.052 U	0.056 U	0.054 U	0.057 U	0.059 U	0.060 U	0.068 U	0.058 U	0.057 U	0.057 U	--	0.050
Organochlorine Pesticides by EPA Method 8081B (mg/kg)												
4,4'-DDD	--	--	0.011 U	--	--	0.012 U	--	--	0.011 U	--	--	0.010
4,4'-DDE	--	--	0.011 U	--	--	0.012 U	--	--	0.011 U	--	--	0.010
4,4'-DDT	--	--	0.011 U	--	--	0.012 U	--	--	0.011 U	--	--	0.010
Aldrin	--	--	0.0054 U	--	--	0.0060 U	--	--	0.0057 U	--	--	0.0050
Alpha-BHC	--	--	0.0054 U	--	--	0.0060 U	--	--	0.0057 U	--	--	0.0050
Beta-BHC	--	--	0.0054 U	--	--	0.0060 U	--	--	0.0057 U	--	--	0.0050
cis-Chlordane	--	--	0.011 U	--	--	0.012 U	--	--	0.011 U	--	--	0.010
trans-Chlordane	--	--	0.0054 U	--	--	0.0060 U	--	--	0.0057 U	--	--	0.0050
Chlordane (Total)	--	--	0.011 U	--	--	0.012 U	--	--	0.011 U	--	--	--
Delta-BHC	--	--	0.0054 U	--	--	0.0060 U	--	--	0.0057 U	--	--	6.0
Dieldrin	--	--	0.011 U	--	--	0.012 U	--	--	0.011 U	--	--	0.010
Endosulfan I	--	--	0.0054 U	--	--	0.0060 U	--	--	0.0057 U	--	--	0.0050
Endosulfan II	--	--	0.011 U	--	--	0.012 U	--	--	0.011 U	--	--	0.010
Endosulfan Sulfate	--	--	0.011 U	--	--	0.012 U	--	--	0.011 U	--	--	480
Endrin	--	--	0.0054 U	--	--	0.0060 U	--	--	0.0057 U	--	--	0.0050
Endrin Aldehyde	--	--	0.011 U	--	--	0.012 U	--	--	0.011 U	--	--	--
Endrin Ketone	--	--	0.011 U	--	--	0.012 U	--	--	0.011 U	--	--	--
Gamma-BHC	--	--	0.0054 U	--	--	0.0060 U	--	--	0.0057 U	--	--	0.0050
Heptachlor	--	--	0.0054 U	--	--	0.0060 U	--	--	0.0057 U	--	--	0.0050
Heptachlor Epoxide	--	--	0.0054 U	--	--	0.0060 U	--	--	0.0057 U	--	--	0.0050
Methoxychlor	--	--	0.011 U	--	--	0.012 U	--	--	0.011 U	--	--	0.032
Toxaphene	--	--	0.054 U	--	--	0.060 U	--	--	0.057 U	--	--	0.050
Chlorinated Acid Herbicides by EPA Method 8151A (mg/kg)												
2,4,5-T	--	--	0.010 U	--	--	0.011 U	--	--	0.011 U	--	--	800
2,4,5-TP	--	--	0.010 U	--	--	0.011 U	--	--	0.011 U	--	--	640
2,4-D	--	--	0.010 U	--	--	0.011 U	--	--	0.011 U	--	--	800
2,4-DB	--	--	0.010 U	--	--	0.011 U	--	--	0.011 U	--	--	2,400
Dalapon	--	--	0.20 U	--	--	0.22 U	--	--	0.21 U	--	--	2,400
Dicamba	--	--	0.010 U	--	--	0.011 U	--	--	0.011 U	--	--	2,400
Dichlorprop	--	--	0.077 U	--	--	0.084 U	--	--	0.081 U	--	--	--
Dinoseb	--	--	0.010 U	--	--	0.011 U	--	--	0.011 U	--	--	80
MCPA	--	--	2.5 U	--	--	2.8 U	--	--	2.7 U	--	--	40
MCPP	--	--	1.0 U	--	--	1.1 U	--	--	1.1 U	--	--	80

Table 1

Analytical Results for On-Site Fill Source Soil Samples and Former Storage Tank Area Soil Sample (June 2020)

Go East Corp Landfill Site
Everett, Washington

Location Identification:	Fill-01	Fill-02	Fill-03	Fill-04	Fill-05	Fill-06	Fill-07	Fill-08	Fill-09	Fill-10	FST-01	Interim Action Level (a)
Sample Identification:	Fill-01-3	Fill-02-3	Fill-03-3	Fill-04-3	Fill-05-3	Fill-06-3	Fill-07-1	Fill-08-3	Fill-09-3	Fill-10-3	FST-01-1	
Sample Date:	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	6/29/2020	
Approximate Sample Depth (ft bgs):	3	3	3	3	3	3	1	3	3	3	1	
Elevation (ft NAVD88):	292.4	290.5	283.3	265.1	260.1	243.9	239.9	237.4	238.5	235.6	300.8	
Northing (ft WSPN):	330946.2	330900.5	330823.2	330730.3	330762.8	330397.8	330338.3	330310.7	330270.3	330247.4	330845.0	
Easting (ft WSPN):	1311613.2	1311734.2	1311830.1	1311724.4	1311637.6	1311796.2	1311914.0	1311982.3	1312052.1	1312130.7	1311480.4	
Total Metals by EPA Methods 6010D/6020B/7471B (mg/kg)												
Arsenic	10 U	11 U	11 U	11 U	12 U	12 U	14 U	12 U	11 U	11 U	--	20
Cadmium	0.52 U	0.56 U	0.54 U	0.57 U	0.59 U	0.60 U	0.68 U	0.58 U	0.57 U	0.57 U	--	0.80
Chromium	24	22	19	21	18	22	23	24	26	19	--	48
Copper	11	12	9.3	8.5	7.8	9.4	7.2	8.7	12	8.7	--	36
Lead	5.2 U	5.6 U	5.4 U	5.7 U	5.9 U	6.0 U	6.8 U	5.8 U	5.7 U	5.7 U	--	50
Mercury	0.026 U	0.028 U	0.027 U	0.028 U	0.029 U	0.030 U	0.034 U	0.029 U	0.029 U	0.029 U	--	0.070
Nickel	36	40	32	38	29	36	33	40	47	39	--	48
Selenium	0.65 U	0.70 U	0.68 U	0.71 U	0.73 U	0.75 U	0.85 U	0.72 U	0.72 U	0.72 U	--	0.80
Zinc	19	25	24	22	19	25	32	27	31	23	--	86

Notes:

(a) Risk-based interim action levels (IALs) were derived by Ecology. Ecology-derived IALs were adjusted to the laboratory practical quantitation limit for analytical results reported on a wet-weight basis (PQL) if the Ecology-derived IAL was less than the PQL, per WAC 173-340-740(5)(c). For GRO, the 100 mg/kg value applies to gasoline mixtures without benzene and the total of toluene, ethylbenzene, and xylene is less than 1% of the gasoline mixture; the 30 mg/kg value applies to all other gasoline mixtures.

(b) Includes benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

-- = Not analyzed or not established

bgs = Below ground surface

cPAHs = Carcinogenic polycyclic aromatic hydrocarbons

EPA = U.S. Environmental Protection Agency

ft = Feet

mg/kg = Milligrams per kilogram

NAVD88 = North American Vertical Datum of 1988

PCB = Polychlorinated biphenyl

TTEC = Total toxic equivalent concentration of benzo(a)pyrene calculated per WAC 173-340-708(8)(e)(iii)(A) and using one-half the laboratory reporting limit for non-detected cPAHs.

U = The analyte was not detected; the reported numerical value represents the laboratory reporting limit.

WSPN = Washington State Plane North

Bold typeface indicates the constituent was detected at the reported concentration.

 Blue highlighting indicates the laboratory reporting limit exceeds the interim action level; the associated interim action level is based on the laboratory practical quantitation limit for analytical results reported on a wet-weight basis.

Analytical results in this table are reported on a dry-weight basis; laboratory reporting limits for these results vary depending on sample moisture content and matrix characteristics.

 Green highlighting indicates the laboratory reporting limit exceeds the interim action level.

Table 2

Analytical Results for Supplemental Landfill Material Soil Samples (June 2020)

Go East Corp Landfill Site

Everett, Washington

Location Identification:	STP-01	STP-01	STP-02	STP-03	STP-04	STP-05	STP-06	STP-07	STP-08	STP-09	STP-10	STP-11	STP-12	Threshold for Follow-Up TCLP Analysis (20x Toxicity Characteristic Dangerous Waste Threshold) (a)	Threshold for Management as TSCA PCB Remediation Waste
Sample Identification:	STP-01-20	Dup-1-200629	STP-02-11	STP-03-15	STP-04-15	STP-05-10	STP-06-15	STP-07-15	STP-08-3	STP-09-2	STP-10-SP	STP-11-2	STP-12-7		
Sample Date:	6/29/2020	6/29/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/29/2020	6/30/2020	6/29/2020	6/30/2020	6/30/2020	6/30/2020		
Approximate Sample Depth (ft bgs):	20	20	11	15	15	10	15	15	3	2	Stockpile	2	7		
Elevation (ft NAVD88):	216.3	216.3	221.3	223.8	228.9	227.0	224.8	234.8	241.7	252.6	242.2	241.8	242.4		
Northing (ft WSPN):	330734.4	330734.4	330657.2	330657.2	330657.2	330489.2	330449.7	330428.6	330520.7	330677.0	330646.8	330693.9	330789.8		
Easting (ft WSPN):	1312497.7	1312497.7	1312448.5	1312432.0	1312302.9	1312263.9	1312209.5	1311986.9	1311805.8	1311753.4	1311847.9	1311900.3	1311953.3		
Chloroethane	0.0080 U	0.0068 U	0.0069 U	0.0063 U	0.0097 U	0.0068 U	0.0063 U	0.0061 U	0.0059 U	0.0070 U	0.0059 U	0.0064 U	0.0065 U	--	--
Chloroform	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	120	--
Chloromethane	0.010 U	0.0088 U	0.0069 U	0.0063 U	0.0097 U	0.0068 U	0.0063 U	0.0079 U	0.0059 U	0.0091 U	0.0059 U	0.0064 U	0.0065 U	--	--
cis-1,2-Dichloroethylene	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
cis-1,3-Dichloropropene	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Dibromochloromethane	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Dibromomethane	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Dichlorobromomethane	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Dichlorodifluoromethane	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Ethylbenzene	0.0016 U	0.0015	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Ethylene dibromide	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Hexachlorobutadiene	0.34 U	0.37 U	0.35 U	0.0063 U	0.0097 U	0.0068 U	0.0063 U	0.0061 U	0.0059 U	0.0070 U	0.0059 U	0.0064 U	0.34 U	10	--
Isopropylbenzene	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Methyl ethyl ketone (MEK)	0.19	0.16	0.0069 U	0.0063 U	0.069	0.0068 U	0.017	0.0061 U	0.0059 U	0.0070 U	0.0059 U	0.0064 U	0.0065 U	4,000	--
Methyl Iodide	0.0080 U	0.0068 U	0.0069 U	0.0063 U	0.0097 U	0.0068 U	0.0063 U	0.0061 U	0.0059 U	0.0070 U	0.0059 U	0.0064 U	0.0065 U	--	--
Methyl isobutyl ketone	0.0080 U	0.0068 U	0.0069 U	0.0063 U	0.0097 U	0.0068 U	0.0063 U	0.0061 U	0.0059 U	0.0070 U	0.0059 U	0.0064 U	0.0065 U	--	--
Methyl tert-butyl ether	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Methylene Chloride	0.0080 U	0.0068 U	0.0069 U	0.0063 U	0.0097 U	0.0068 U	0.0063 U	0.0061 U	0.0059 U	0.0070 U	0.0059 U	0.0064 U	0.0065 U	--	--
Naphthalene	0.34 U	0.37 U	0.35 U	0.0063 U	0.0097 U	0.0068 U	0.0063 U	0.0061 U	0.0059 U	0.0070 U	0.0059 U	0.0064 U	0.34 U	--	--
n-Butylbenzene	0.069 U	0.075 U	0.071 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.068 U	--	--
n-Propylbenzene	0.069 U	0.075 U	0.071 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.068 U	--	--
Sec-Butylbenzene	0.069 U	0.075 U	0.071 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.068 U	--	--
Styrene	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Tert-Butylbenzene	0.069 U	0.075 U	0.071 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.068 U	--	--
Tetrachloroethylene	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	14	--
Toluene	0.0080 U	0.0068 U	0.0069 U	0.0063 U	0.0097 U	0.0068 U	0.0063 U	0.0061 U	0.0059 U	0.0070 U	0.0059 U	0.0064 U	0.0065 U	--	--
m,p-Xylene	0.0032 U	0.0027 U	0.0028 U	0.0025 U	0.0039 U	0.0027 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U	0.0024 U	0.0026 U	0.0026 U	--	--
o-Xylene	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Total Xylenes	0.0032 U	0.0027 U	0.0028 U	0.0025 U	0.0039 U	0.0027 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U	0.0024 U	0.0026 U	0.0026 U	--	--
trans-1,2-Dichloroethylene	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
trans-1,3-Dichloropropene	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Trichloroethylene	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	10	--
Trichlorofluoromethane	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	--	--
Vinyl Acetate	0.0080 U	0.0068 U	0.0069 U	0.0063 U	0.0097 U	0.0068 U	0.0063 U	0.0061 U	0.0059 U	0.0070 U	0.0059 U	0.0064 U	0.0065 U	--	--
Vinyl Chloride	0.0016 U	0.0014 U	0.0014 U	0.0013 U	0.0019 U	0.0014 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0013 U	0.0013 U	4.0	--
Semivolatile Organic Compounds with Low-Level Polycyclic Aromatic Hydrocarbons by EPA Method 8270E/Selective Ion Monitoring (mg/kg)															
1,2-Dinitrobenzene	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
1,2-Diphenylhydrazine	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
1,3-Dinitrobenzene	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
1,4-Dinitrobenzene	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
2,3,4,6-Tetrachlorophenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
2,3,5,6-Tetrachlorophenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
2,3-Dichloroaniline	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
2,4,5-Trichlorophenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	8,000	--

Table 2
Analytical Results for Supplemental Landfill Material Soil Samples (June 2020)
 Go East Corp Landfill Site
 Everett, Washington

Location Identification:	STP-01	STP-01	STP-02	STP-03	STP-04	STP-05	STP-06	STP-07	STP-08	STP-09	STP-10	STP-11	STP-12	Threshold for Follow-Up TCLP Analysis (20x Toxicity Characteristic Dangerous Waste Threshold) (a)	Threshold for Management as TSCA PCB Remediation Waste
Sample Identification:	STP-01-20	Dup-1-200629	STP-02-11	STP-03-15	STP-04-15	STP-05-10	STP-06-15	STP-07-15	STP-08-3	STP-09-2	STP-10-SP	STP-11-2	STP-12-7		
Sample Date:	6/29/2020	6/29/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/29/2020	6/30/2020	6/29/2020	6/30/2020	6/30/2020	6/30/2020		
Approximate Sample Depth (ft bgs):	20	20	11	15	15	10	15	15	3	2	Stockpile	2	7		
Elevation (ft NAVD88):	216.3	216.3	221.3	223.8	228.9	227.0	224.8	234.8	241.7	252.6	242.2	241.8	242.4		
Northing (ft WSPN):	330734.4	330734.4	330657.2	330657.2	330657.2	330489.2	330449.7	330428.6	330520.7	330677.0	330646.8	330693.9	330789.8		
Easting (ft WSPN):	1312497.7	1312497.7	1312448.5	1312432.0	1312302.9	1312263.9	1312209.5	1311986.9	1311805.8	1311753.4	1311847.9	1311900.3	1311953.3		
2,4,6-Trichlorophenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	40	--
2,4-Dichlorophenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
2,4-Dimethylphenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
2,4-Dinitrophenol	5.1 U	4.1 U	21 U	0.21 U	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.29 U	11 U	4.1 U	--	--
2,4-Dinitrotoluene	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	2.6	--
2,6-Dinitrotoluene	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
2-Chloronaphthalene	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
2-Chlorophenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
2-Methylphenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	4,000	--
2-Nitroaniline	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
2-Nitrophenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
3,3'-Dichlorobenzidine	5.1 U	4.1 U	21 U	0.21 U	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.22 U	11 U	4.1 U	--	--
3+4-Methylphenol	2.8	3.5	4.2 U	0.042 U	1.2	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	4,000	--
3-Nitroaniline	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
4,6-Dinitro-2-Methylphenol	5.1 U	4.1 U	21 U	0.21 U	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.22 U	11 U	4.1 U	--	--
4-Bromophenyl phenyl ether	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
4-Chloro-3-Methylphenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
4-Chloroaniline	5.1 U	4.1 U	21 U	0.21 U	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.22 U	11 U	4.1 U	--	--
4-Chlorophenyl phenyl ether	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
4-Nitroaniline	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
4-Nitrophenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Aniline	5.1 U	4.1 U	21 U	0.21 U	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.22 U	11 U	4.1 U	--	--
Benzyl Alcohol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Bis(2-Chloroethoxy)Methane	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Bis(2-Chloroethyl)Ether	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Bis(2-chloroisopropyl) ether	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Bis(2-Ethylhexyl) Phthalate	5.1 U	4.1 U	21 U	0.52	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.22 U	11 U	4.1 U	--	--
Butyl benzyl Phthalate	5.1 U	4.1 U	21 U	0.21 U	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.22 U	11 U	4.1 U	--	--
Carbazole	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Di(2-ethylhexyl)adipate	5.1 U	4.1 U	21 U	0.21 U	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.22 U	11 U	4.1 U	--	--
Dibenzofuran	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Dibutyl Phthalate	5.1 U	4.1 U	21 U	0.21 U	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.22 U	11 U	4.1 U	--	--
Diethyl Phthalate	5.1 U	4.1 U	21 U	0.21 U	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.22 U	11 U	4.1 U	--	--
Dimethyl Phthalate	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Di-N-Octyl Phthalate	5.1 U	4.1 U	21 U	0.21 U	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.22 U	11 U	4.1 U	--	--
Hexachlorobenzene	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	2.6	--
Hexachlorocyclopentadiene	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Hexachloroethane	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	60	--
Isophorone	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Nitrobenzene	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	40	--
N-Nitrosodimethylamine	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
N-Nitrosodi-n-propylamine	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
N-Nitrosodiphenylamine	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Pentachlorophenol	5.1 U	4.1 U	21 U	0.21 U	2.2 U	1.1 U	1.7 U	0.92 U	1.0 U	2.2 U	0.22 U	11 U	4.1 U	2,000	--

Table 2
Analytical Results for Supplemental Landfill Material Soil Samples (June 2020)
 Go East Corp Landfill Site
 Everett, Washington

Location Identification:	STP-01	STP-01	STP-02	STP-03	STP-04	STP-05	STP-06	STP-07	STP-08	STP-09	STP-10	STP-11	STP-12	Threshold for Follow-Up TCLP Analysis (20x Toxicity Characteristic Dangerous Waste Threshold) (a)	Threshold for Management as TSCA PCB Remediation Waste
Sample Identification:	STP-01-20	Dup-1-200629	STP-02-11	STP-03-15	STP-04-15	STP-05-10	STP-06-15	STP-07-15	STP-08-3	STP-09-2	STP-10-SP	STP-11-2	STP-12-7		
Sample Date:	6/29/2020	6/29/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/29/2020	6/30/2020	6/29/2020	6/30/2020	6/30/2020	6/30/2020		
Approximate Sample Depth (ft bgs):	20	20	11	15	15	10	15	15	3	2	Stockpile	2	7		
Elevation (ft NAVD88):	216.3	216.3	221.3	223.8	228.9	227.0	224.8	234.8	241.7	252.6	242.2	241.8	242.4		
Northing (ft WSPN):	330734.4	330734.4	330657.2	330657.2	330657.2	330489.2	330449.7	330428.6	330520.7	330677.0	330646.8	330693.9	330789.8		
Easting (ft WSPN):	1312497.7	1312497.7	1312448.5	1312432.0	1312302.9	1312263.9	1312209.5	1311986.9	1311805.8	1311753.4	1311847.9	1311900.3	1311953.3		
Phenol	1.0 U	0.81 U	4.2 U	0.042 U	0.44 U	0.21 U	0.33 U	0.18 U	0.21 U	0.44 U	0.043 U	2.3 U	0.82 U	--	--
Pyridine	10 U	8.1 U	42 U	0.42 U	4.4 U	2.1 U	3.3 U	1.8 U	2.1 U	4.4 U	0.43 U	23 U	8.2 U	100	--
1-Methylnaphthalene	0.092	0.081	0.17 U	0.0017 U	0.022	0.0085 U	0.013 U	0.023	0.0082 U	0.018 U	0.0086 U	0.090 U	0.033 U	--	--
2-Methylnaphthalene	0.11	0.10	0.17 U	0.0028	0.052	0.011	0.024	0.069	0.0082 U	0.018 U	0.0086 U	0.090 U	0.048	--	--
Acenaphthene	0.040 U	0.029	0.17 U	0.091	0.026	0.0085 U	0.044	0.012	0.0082 U	0.018 U	0.0086 U	0.090 U	0.033 U	--	--
Acenaphthylene	0.040 U	0.029	0.26	0.0017 U	0.018 U	0.0085 U	0.081	0.010	0.018	0.018 U	0.0086 U	0.090 U	0.033 U	--	--
Anthracene	0.062	0.060	0.27	0.0031	0.022	0.0085 U	0.053	0.010	0.029	0.018 U	0.0086 U	0.090 U	0.038	--	--
Benzo(a)anthracene	0.070	0.084	0.61	0.0063	0.029	0.0085 U	0.10	0.043	0.093	0.027	0.010	0.090 U	0.065	--	--
Benzo(a)pyrene	0.071	0.088	1.2	0.0072	0.033	0.015	0.19	0.047	0.097	0.036	0.013	0.10	0.079	--	--
Benzo(b)fluoranthene	0.090	0.089	1.5	0.0094	0.043	0.023	0.20	0.048	0.14	0.041	0.015	0.10	0.10	--	--
Benzo(g,h,i)perylene	0.076	0.067	1.4	0.0087	0.036	0.023	0.20	0.035	0.058	0.028	0.010	0.11	0.086	--	--
Benzo(j,k)fluoranthene	0.040 U	0.027	0.43	0.0024	0.018 U	0.0085 U	0.039	0.014	0.040	0.018 U	0.0086 U	0.090 U	0.033 U	--	--
Chrysene	0.16	0.14	0.78	0.011	0.054	0.014	0.15	0.054	0.099	0.038	0.014	0.11	0.093	--	--
Dibenz(a,h)anthracene	0.040 U	0.017	0.25	0.0025	0.018 U	0.0085 U	0.039	0.0083	0.016	0.018 U	0.0086 U	0.090 U	0.033 U	--	--
Fluoranthene	0.30	0.25	0.72	0.022	0.069	0.015	0.13	0.043	0.14	0.060	0.021	0.11	0.20	--	--
Fluorene	0.066	0.064	0.17 U	0.024	0.031	0.0085 U	0.031	0.0074 U	0.0082 U	0.018 U	0.0086 U	0.090 U	0.033 U	--	--
Indeno(1,2,3-c,d)pyrene	0.056	0.050	1.2	0.0052	0.030	0.017	0.12	0.029	0.062	0.024	0.0093	0.090 U	0.062	--	--
Naphthalene	0.14	0.13	0.17 U	0.0046	0.092	0.014	0.073	0.028	0.012	0.022	0.0090	0.090 U	0.29	--	--
Phenanthrene	0.53	0.53	0.28	0.0023	0.064	0.014	0.039	0.045	0.071	0.045	0.017	0.090 U	0.21	--	--
Pyrene	0.32	0.27	0.88	0.030	0.088	0.016	0.19	0.086	0.15	0.067	0.029	0.13	0.15	--	--
cPAHs (TTEC) (b)	0.098	0.12	1.6	0.0099	0.046	0.020	0.24	0.062	0.13	0.047	0.017	0.13	0.11	--	--
Polychlorinated Biphenyls as Aroclors by EPA Method 8082A (mg/kg)															
Aroclor 1016	0.061 U	0.061 U	0.063 U	0.063 U	0.088 U	0.063 U	0.066 U	0.055 U	0.062 U	0.066 U	0.065 U	0.068 U	0.061 U	--	--
Aroclor 1221	0.061 U	0.061 U	0.063 U	0.063 U	0.088 U	0.063 U	0.066 U	0.055 U	0.062 U	0.066 U	0.065 U	0.068 U	0.061 U	--	--
Aroclor 1232	0.061 U	0.061 U	0.063 U	0.063 U	0.088 U	0.063 U	0.066 U	0.055 U	0.062 U	0.066 U	0.065 U	0.068 U	0.061 U	--	--
Aroclor 1242	0.061 U	0.061 U	0.063 U	0.063 U	0.088 U	0.063 U	0.066 U	0.055 U	0.062 U	0.066 U	0.065 U	0.068 U	0.061 U	--	--
Aroclor 1248	0.061 U	0.061 U	0.063 U	0.063 U	0.088 U	0.063 U	0.066 U	0.055 U	0.062 U	0.066 U	0.065 U	0.068 U	0.061 U	--	--
Aroclor 1254	0.061 U	0.061 U	0.088	0.063 U	0.088 U	0.063 U	0.11	0.055 U	0.062 U	0.066 U	0.065 U	0.068 U	0.061 U	--	--
Aroclor 1260	0.061 U	0.061 U	0.063 U	0.063 U	0.088 U	0.063 U	0.066 U	0.055 U	0.062 U	0.066 U	0.065 U	0.068 U	0.061 U	--	--
Total PCB Aroclors	0.061 U	0.061 U	0.088	0.063 U	0.088 U	0.063 U	0.11	0.055 U	0.062 U	0.066 U	0.065 U	0.068 U	0.061 U	--	1.0
Organochlorine Pesticides by EPA Method 8081B (mg/kg)															
4,4'-DDD	0.012 U	0.012 U	0.013 U	0.013 U	0.018 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	0.042	0.012 U	--	--
4,4'-DDE	0.059 J	0.031 J	0.037 J	0.013 U	0.029	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	0.092 J	0.012 U	--	--
4,4'-DDT	0.012 UJ	0.012 UJ	0.013 UJ	0.013 U	0.018 U	0.013 U	0.013 UJ	0.011 UJ	0.012 U	0.013 UJ	0.013 U	0.21 J	0.012 UJ	--	--
Aldrin	0.0061 U	0.0061 U	0.0063 UJ	0.0063 U	0.0088 U	0.0063 U	0.0066 U	0.0055 U	0.0062 U	0.0066 U	0.0065 U	0.0068 UJ	0.0061 U	--	--
Alpha-BHC	0.0061 U	0.0061 U	0.0063 UJ	0.0063 U	0.0088 U	0.0063 U	0.0066 U	0.0055 U	0.0062 U	0.0066 U	0.0065 U	0.0068 UJ	0.0061 U	--	--
Beta-BHC	0.0061 U	0.0061 U	0.0063 UJ	0.0063 U	0.0088 U	0.0063 U	0.0066 U	0.0055 U	0.0062 U	0.0066 U	0.0065 U	0.0068 UJ	0.0061 U	--	--
cis-Chlordane	0.012 U	0.012 U	0.013 UJ	0.013 U	0.018 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	0.014 UJ	0.012 U	--	--
trans-Chlordane	0.0061 U	0.0061 U	0.0063 UJ	0.0063 U	0.0088 U	0.0063 U	0.0066 U	0.010	0.0062 U	0.0066 U	0.0065 U	0.0068 UJ	0.0061 U	--	--
Chlordane (Total)	0.012 U	0.012 U	0.013 U	0.013 U	0.018 U	0.013 U	0.013 U	0.010	0.012 U	0.013 U	0.013 U	0.014 U	0.012 U	0.60	--
Delta-BHC	0.0061 U	0.0061 U	0.0063 UJ	0.0063 U	0.0088 U	0.0063 U	0.0066 U	0.0055 U	0.0062 U	0.0066 U	0.0065 U	0.0068 UJ	0.0061 U	--	--
Dieldrin	0.012 U	0.012 U	0.013 UJ	0.013 U	0.018 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	0.014 UJ	0.012 U	--	--
Endosulfan I	0.0061 U	0.0061 U	0.0063 UJ	0.0063 U	0.0088 U	0.0063 U	0.0066 U	0.0055 U	0.0062 U	0.0066 U	0.0065 U	0.0068 UJ	0.0061 U	--	--
Endosulfan II	0.012 U	0.012 U	0.013 UJ	0.013 U	0.018 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	0.014 UJ	0.012 U	--	--

Table 2
Analytical Results for Supplemental Landfill Material Soil Samples (June 2020)
 Go East Corp Landfill Site
 Everett, Washington

Location Identification:	STP-01	STP-01	STP-02	STP-03	STP-04	STP-05	STP-06	STP-07	STP-08	STP-09	STP-10	STP-11	STP-12	Threshold for Follow-Up TCLP Analysis (20x Toxicity Characteristic Dangerous Waste Threshold) (a)	Threshold for Management as TSCA PCB Remediation Waste
Sample Identification:	STP-01-20	Dup-1-200629	STP-02-11	STP-03-15	STP-04-15	STP-05-10	STP-06-15	STP-07-15	STP-08-3	STP-09-2	STP-10-SP	STP-11-2	STP-12-7		
Sample Date:	6/29/2020	6/29/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/29/2020	6/30/2020	6/29/2020	6/30/2020	6/30/2020	6/30/2020		
Approximate Sample Depth (ft bgs):	20	20	11	15	15	10	15	15	3	2	Stockpile	2	7		
Elevation (ft NAVD88):	216.3	216.3	221.3	223.8	228.9	227.0	224.8	234.8	241.7	252.6	242.2	241.8	242.4		
Northing (ft WSPN):	330734.4	330734.4	330657.2	330657.2	330657.2	330489.2	330449.7	330428.6	330520.7	330677.0	330646.8	330693.9	330789.8		
Easting (ft WSPN):	1312497.7	1312497.7	1312448.5	1312432.0	1312302.9	1312263.9	1312209.5	1311986.9	1311805.8	1311753.4	1311847.9	1311900.3	1311953.3		
Endosulfan Sulfate	0.012 U	0.012 U	0.013 UJ	0.013 U	0.018 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	0.014 UJ	0.012 U	--	--
Endrin	0.0061 U	0.0061 U	0.0063 UJ	0.0063 U	0.0088 U	0.0063 U	0.0066 U	0.0055 U	0.0062 U	0.0066 U	0.0065 U	0.0068 UJ	0.0061 U	0.40	--
Endrin Aldehyde	0.012 U	0.012 U	0.013 UJ	0.013 U	0.018 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	0.014 UJ	0.012 U	--	--
Endrin Ketone	0.012 U	0.012 U	0.013 UJ	0.013 U	0.018 U	0.013 U	0.013 U	0.011 U	0.012 U	0.013 U	0.013 U	0.014 UJ	0.012 U	--	--
Gamma-BHC	0.0061 U	0.0061 U	0.0063 UJ	0.0063 U	0.0088 U	0.0063 U	0.0066 U	0.0055 U	0.0062 U	0.0066 U	0.0065 U	0.0068 UJ	0.0061 U	8.0	--
Heptachlor	0.0061 U	0.0061 U	0.0063 UJ	0.0063 U	0.0088 U	0.0063 U	0.0066 U	0.0055 U	0.0062 U	0.0066 U	0.0065 U	0.0068 UJ	0.0061 U	0.16	--
Heptachlor Epoxide	0.0061 U	0.0061 U	0.0063 UJ	0.0063 U	0.0088 U	0.0063 U	0.0066 U	0.0055 U	0.0062 U	0.0066 U	0.0065 U	0.0068 UJ	0.0061 U	0.16	--
Methoxychlor	0.012 UJ	0.012 UJ	0.013 UJ	0.013 U	0.018 U	0.013 U	0.013 UJ	0.011 UJ	0.012 U	0.013 UJ	0.013 U	0.014 UJ	0.012 UJ	200	--
Toxaphene	0.061 U	0.061 U	0.063 UJ	0.063 U	0.088 U	0.063 U	0.066 U	0.055 U	0.062 U	0.066 U	0.065 U	0.068 UJ	0.061 U	10	--
Chlorinated Acid Herbicides by EPA Method 8151A (mg/kg)															
2,4,5-T	0.012 U	0.012 U	0.012 U	0.012 U	0.017 U	0.012 U	0.013 U	0.010 U	0.012 U	0.013 U	0.012 U	0.013 U	0.012 U	--	--
2,4,5-TP	0.012 U	0.012 U	0.012 U	0.012 U	0.017 U	0.012 U	0.013 U	0.010 U	0.012 U	0.013 U	0.012 U	0.013 U	0.012 U	20	--
2,4-D	0.011 U	0.011 U	0.012 U	0.012 U	0.017 U	0.012 U	0.012 U	0.010 U	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	200	--
2,4-DB	0.011 U	0.012 U	0.012 U	0.012 U	0.017 U	0.012 U	0.013 U	0.016 J	0.012 U	0.013 U	0.012 U	0.013 U	0.012 U	--	--
Dalapon	0.22 U	0.22 U	0.23 U	0.23 U	0.32 U	0.23 U	0.24 U	0.20 U	0.23 U	0.24 U	0.24 U	0.25 U	0.22 U	--	--
Dicamba	0.011 U	0.011 U	0.012 U	0.012 U	0.017 U	0.012 U	0.012 U	0.010 U	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	--	--
Dichlorprop	0.086 U	0.086 U	0.089 U	0.089 U	0.12 U	0.090 U	0.094 U	0.078 U	0.087 U	0.093 U	0.091 U	0.096 U	0.087 U	--	--
Dinoseb	0.011 U	0.011 U	0.012 U	0.012 U	0.017 U	0.012 U	0.013 U	0.010 U	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	--	--
MCPA	2.8 U	2.8 U	2.9 U	2.9 U	4.1 U	3.0 U	3.1 U	2.6 U	2.9 U	3.1 U	3.0 U	3.2 U	2.9 U	--	--
MCPP	1.1 U	1.1 U	1.2 U	1.2 U	1.6 U	1.2 U	1.2 U	1.0 U	1.2 U	1.2 U	1.2 U	1.3 U	1.1 U	--	--
Total Metals by EPA Methods 6010D/6020B/7471B (mg/kg)															
Arsenic	12	13	13 U	13 U	18 U	13 U	13 U	11 U	12 U	13 U	13 U	14 U	12 U	100	--
Cadmium	0.61 U	0.61 U	0.63 U	0.63 U	0.88 U	0.63 U	0.66 U	0.55 U	0.62 U	0.66 U	0.65 U	0.68 U	0.61 U	20	--
Chromium	23	27	26	23	25	19	37	27	23	24	28	24	17	100	--
Copper	65	51	33	11	20	19	23	35	10	15	9.8	20	20	--	--
Lead	130	130	200	6.3 U	110	130	190	200	68	79	24	120	130	100	--
Mercury	0.22	0.15	0.23	0.031 U	0.11	1.3	0.14	0.096	0.37	0.13	0.039	0.18	0.073	4.0	--
Nickel	31	32	31	42	31	27	61	38	31	31	33	31	24	--	--
Selenium	0.76 U	0.76 U	0.79 U	0.79 U	1.1 U	0.79 U	0.83 U	0.69 U	0.77 U	0.83 U	0.81 U	0.84 U	0.76 U	20	--
Zinc	230	320	350	26	140	370	230	160	55	150	40	210	110	--	--

Notes:

(a) See https://archive.epa.gov/epawaste/hazard/web/html/faq_tclp.html#Total for rationale for this follow-up TCLP analysis threshold.

(b) Includes benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

-- = Not analyzed or not applicable

bgs = Below ground surface

cPAHs = Carcinogenic polycyclic aromatic hydrocarbons

TTEC = Total toxic equivalent concentration of benzo(a)pyrene calculated per WAC 173-340-708(8)(e)(iii)(A) and using one-half the laboratory reporting limit for non-detected cPAHs.

U = The analyte was not detected; the reported numerical value represents the laboratory reporting limit.

UJ = The analyte was not detected; the reported numerical value represents the estimated laboratory reporting limit.

WSPN = Washington State Plane North

Bold typeface indicates the constituent was detected at the reported concentration.

 Blue highlighting indicates the laboratory reporting limit exceeds the threshold for follow-up TCLP analysis.

 Yellow highlighting indicates the reported concentration exceeds the threshold for follow-up TCLP analysis.

PCB = Polychlorinated biphenyl
 TCLP = Toxicity Characteristic Leaching Procedure
 TSCA = Toxic Substances Control Act

EPA = U.S. Environmental Protection Agency
 mg/kg = Milligrams per kilogram
 NAVD88 = North American Vertical Datum of 1988

ft = Feet
 J = Estimated value

Table 3

Follow-Up TCLP Analytical Results for Supplemental Landfill Material Soil Samples (June 2020)

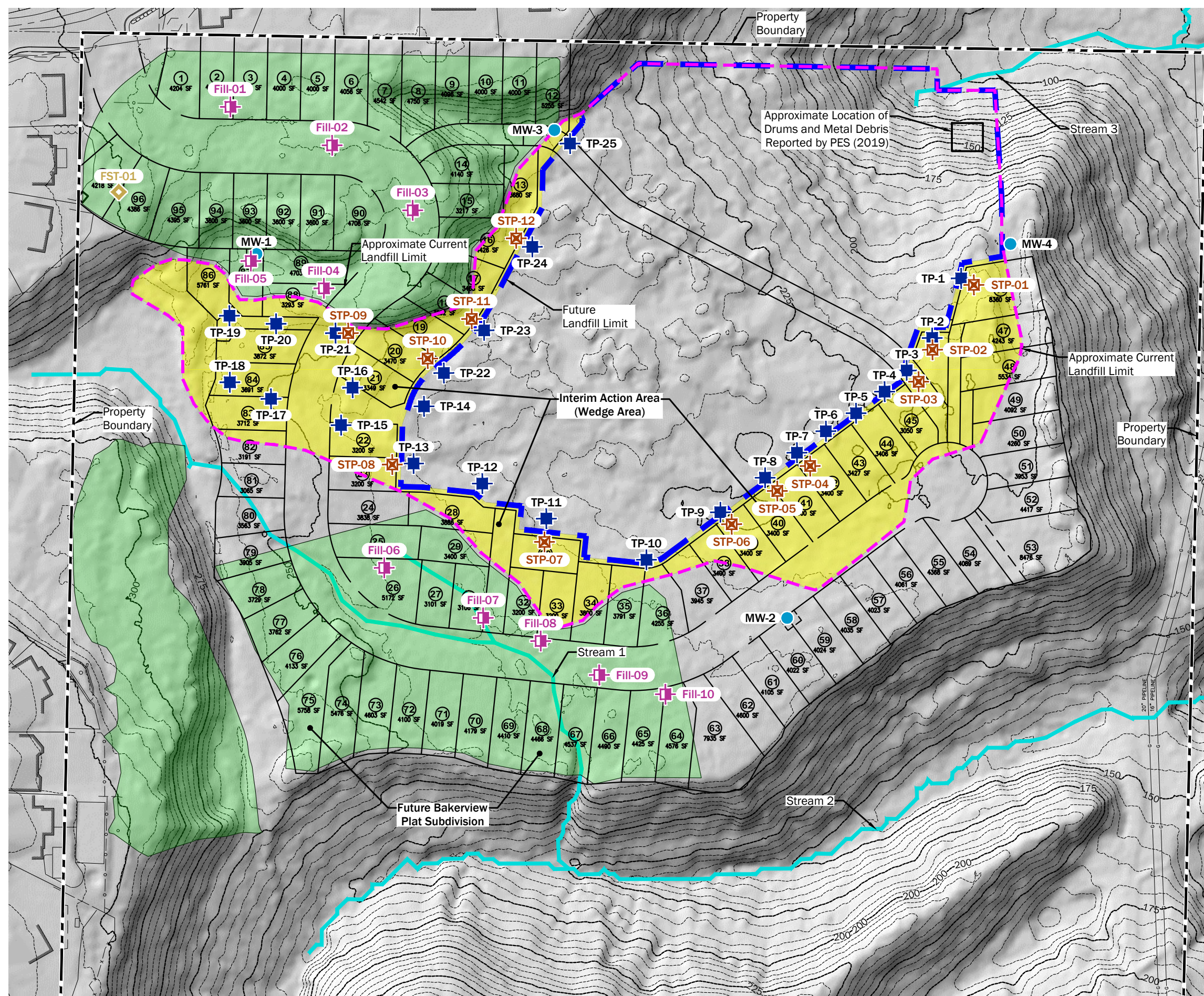
Go East Corp Landfill Site
Everett, Washington

Location Identification:	STP-01	STP-02	STP-04	STP-05	STP-06	STP-07	STP-11	STP-12	Toxicity Characteristic Dangerous Waste Threshold
Sample Identification:	STP-01-20	STP-02-11	STP-04-15	STP-05-10	STP-06-15	STP-07-15	STP-11-2	STP-12-7	
Sample Date:	6/29/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/29/2020	6/30/2020	6/30/2020	
Approximate Sample Depth (ft bgs):	20	11	15	10	15	15	2	7	
Elevation (ft NAVD88):	216.3	221.3	228.9	227.0	224.8	234.8	241.8	242.4	
Northing (ft WSPN):	330734.4	330657.2	330657.2	330489.2	330449.7	330428.6	330693.9	330789.8	
Easting (ft WSPN):	1312497.7	1312448.5	1312302.9	1312263.9	1312209.5	1311986.9	1311900.3	1311953.3	
TCLP Metals by EPA Methods 1311/6010D/7470A (mg/L in TCLP extract)									
Lead	0.20 U	0.20 U	0.20 U	0.57	0.20 U	0.20 U	0.20 U	0.20 U	5.0
Mercury	--	--	--	0.0050 U	--	--	--	--	0.2

Notes:

- = Not analyzed
- bgs = Below ground surface
- EPA = U.S. Environmental Protection Agency
- ft = Feet
- mg/L = Milligrams per liter
- NAVD88 = North American Vertical Datum of 1988
- TCLP = Toxicity Characteristic Leaching Procedure
- U = The analyte was not detected; the reported numerical value represents the laboratory reporting limit.
- WSPN = Washington State Plane North
- Bold** typeface indicates the constituent was detected at the reported concentration.

\\geoengineers.com\WAN\Projects\6\6694002\CAD\03\Interim Action Work Plan\669400203_F01_Soil Sampling Locations.dwg TAB:F01 Date Exported: 07/22/20 - 15:33 by mwwoods



Legend

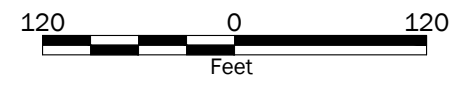
- Property Boundary
- Interim Action Area (Wedge Area)
- Approximate Current Landfill Limit
- Future Landfill Limit
- TP-1 Test Pit - Soil Sample(s) Collected (Terra Associates, June 2019)
- STP-01 Test Pit - Supplemental Landfill Material Sampling Location
- FIII-01 Test Pit - On-Site Fill Source Sampling Location
- FST-01 Former Storage Tank Area Sampling Location
- MW-1 Groundwater Monitoring Well (AESI, 2009)
- On-Site Source Area for Structural Fill

Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Property boundary survey from PACE Engineers, dated 1/27/2020.
Lidar image and elevation contours from Puget Sound Lidar Consortium dated 2013.

Projection: HPGN (HARN) Washington State Planes, North Zone, US Foot



**Soil Sampling Locations -
On-Site Fill Source, Former Storage Tank Area, and
Supplemental Landfill Material Samples**

**Go East Corp Landfill Site
Everett, Washington**



Figure 1

ATTACHMENT A
Test Pit Logs

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS <small>(LITTLE OR NO FINES)</small>		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
		GRAVELS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
		GRAVELS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
	SAND AND SANDY SOILS	CLEAN SANDS <small>(LITTLE OR NO FINES)</small>		SW	WELL-GRADED SANDS, GRAVELLY SANDS
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		SP	POORLY-GRADED SANDS, GRAVELLY SAND
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		SM	SILTY SANDS, SAND - SILT MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY
		LIQUID LIMIT LESS THAN 50		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
		LIQUID LIMIT LESS THAN 50		OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
		LIQUID LIMIT GREATER THAN 50		CH	INORGANIC CLAYS OF HIGH PLASTICITY
		LIQUID LIMIT GREATER THAN 50		OH	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS	

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

Sampler Symbol Descriptions

	2.4-inch I.D. split barrel
	Standard Penetration Test (SPT)
	Shelby tube
	Piston
	Direct-Push
	Bulk or grab
	Continuous Coring

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

"P" indicates sampler pushed using the weight of the drill rig.

"WOH" indicates sampler pushed using the weight of the hammer.

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

ADDITIONAL MATERIAL SYMBOLS

SYMBOLS		TYPICAL DESCRIPTIONS
GRAPH	LETTER	
	AC	Asphalt Concrete
	CC	Cement Concrete
	CR	Crushed Rock/Quarry Spalls
	SOD	Sod/Forest Duff
	TS	Topsoil

Groundwater Contact



Measured groundwater level in exploration, well, or piezometer



Measured free product in well or piezometer

Graphic Log Contact

Distinct contact between soil strata

Approximate contact between soil strata

Material Description Contact

Contact between geologic units

Contact between soil of the same geologic unit

Laboratory / Field Tests

%F	Percent fines
%G	Percent gravel
AL	Atterberg limits
CA	Chemical analysis
CP	Laboratory compaction test
CS	Consolidation test
DD	Dry density
DS	Direct shear
HA	Hydrometer analysis
MC	Moisture content
MD	Moisture content and dry density
Mohs	Mohs hardness scale
OC	Organic content
PM	Permeability or hydraulic conductivity
PI	Plasticity index
PL	Point lead test
PP	Pocket penetrometer
SA	Sieve analysis
TX	Triaxial compression
UC	Unconfined compression
VS	Vane shear

Sheen Classification


NS	No Visible Sheen
SS	Slight Sheen
MS	Moderate Sheen
HS	Heavy Sheen

Key to Exploration Logs



Figure A-1

Date Excavated	6/29/2020	Total Depth (ft)	3	Logged By	JCD	Excavator	Glacier Environmental
		Checked By	RL	Equipment	CAT 320		
Surface Elevation (ft)	292.4	Easting (X)	1311613.2	Coordinate System	WA State Plane North (US Feet)		
Vertical Datum	NAVD88	Northing (Y)	330946.2	Horizontal Datum			

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing						
292.2	1				SW-SM	Brown to tan fine to coarse sand with fine gravel and silt (moist)	NS	0.0	H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9% Sample collected at 10:20
290	3		Fill-01-3			Completed at 3 feet depth in native soil (advance outwash) Groundwater not observed Caving not observed			

Notes: See Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit Fill-01



Project: Go East Landfill
Project Location: Snohomish County, Washington
Project Number: 6694-002-03

Date: 7/14/20 Path: P:\6694\002\GINT\669400203.GPJ DBLibrary/Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/29/2020	Total Depth (ft)	3	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft)	290.5	Easting (X)	1311734.2	Coordinate System	WA State Plane North (US Feet)		
Vertical Datum	NAVD88	Northring (Y)	330900.5	Horizontal Datum			

Elevation (feet)	Depth (feet)	SAMPLE		Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing					
290	1			SP-SM	Brown to tan fine to medium sand with silt (moist)			
289	2					NS	0.0	H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9%
288	3	Fill-02-3						Sample collected at 10:07
<p>Completed at 3 feet depth in native soil (advance outwash) Groundwater not observed Caving not observed</p>								

Notes: See Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit Fill-02



Project: Go East Landfill
Project Location: Snohomish County, Washington
Project Number: 6694-002-03

Figure A-3
Sheet 1 of 1

Date: 7/14/20 Path: P:\6694\002\GINT\669400203.GPJ DBLibrary/Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/29/2020	Total Depth (ft)	3	Logged By	JCD	Excavator	Glacier Environmental
		Checked By	RL	Equipment	CAT 320		
Surface Elevation (ft) Vertical Datum	283.3 NAVD88		Easting (X) Northing (Y)	1311830.1 330823.2		Coordinate System Horizontal Datum	WA State Plane North (US Feet)

Elevation (feet)	Depth (feet)	SAMPLE		Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing					
283								
282	1			SP-SM	Brown to tan fine to medium sand with silt (moist) Brick fragments at ground surface			
281	2					NS	0.0	H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9%
	3	Fill-03-3						Sample collected at 10:00
<p>Completed at 3 feet depth in native soil (advance outwash) Groundwater not observed Caving not observed</p>								

Notes: See Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit Fill-03



Project: Go East Landfill
Project Location: Snohomish County, Washington
Project Number: 6694-002-03

Figure A-4
Sheet 1 of 1

Date: 7/14/20 Path: P:\6694\002\GINT_669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/29/2020	Total Depth (ft)	3	Logged By	JCD	Excavator	Glacier Environmental
		Checked By	RL	Equipment	CAT 320		
Surface Elevation (ft)	265.1	Easting (X)	1311724.4	Coordinate System	WA State Plane North (US Feet)		
Vertical Datum	NAVD88	Northing (Y)	330730.3	Horizontal Datum			

Elevation (feet)	Depth (feet)	SAMPLE		MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Group Classification				
264	1			Brown to tan fine to medium sand with silt (moist)			
263	2						
	3	Fill-04-3	SP-SM		NS	0.0	H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9% Sample collected at 11:10
<p>Completed at 3 feet depth in native soil (advance outwash) Groundwater not observed Caving not observed</p>							

Notes: See Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit Fill-04



Project: Go East Landfill
Project Location: Snohomish County, Washington
Project Number: 6694-002-03

Date Excavated	6/29/2020	Total Depth (ft)	3	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft)	260.1	Easting (X)	1311637.6	Coordinate System	WA State Plane North (US Feet)		
Vertical Datum	NAVD88	Northing (Y)	330762.8	Horizontal Datum			

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing						
238	1				SP-SM	Brown to tan fine to medium sand with silt (moist)			
238	2						NS		No PID/4-gas measurements (gas meter indicates low battery condition)
	3	Fill-05-3							Sample collected at 11:20
<p>Completed at 3 feet depth in native soil (advance outwash) Groundwater not observed Caving not observed</p>									

Notes: See Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit Fill-05



Project: Go East Landfill
Project Location: Snohomish County, Washington
Project Number: 6694-002-03

Date: 7/14/20 Path: P:\6694\002\GINT_669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/29/2020	Total Depth (ft)	3	Logged By	JCD	Excavator	Glacier Environmental
		Checked By	RL	Equipment	CAT 320		
Surface Elevation (ft)	243.9	Easting (X)	1311796.2	Coordinate System	WA State Plane North (US Feet)		
Vertical Datum	NAVD88	Northing (Y)	330397.8	Horizontal Datum			

Elevation (feet)	Depth (feet)	SAMPLE		Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing					
243	1			SP-SM	Gray fine to medium sand with silt (moist)			
242	2					NS		No PID/4-gas measurements (gas meter indicates low battery condition)
241	3	Fill-06-3						Sample collected at 11:40
<p>Completed at 3 feet depth in native soil (advance outwash) Groundwater not observed Caving not observed</p>								

Notes: See Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit Fill-06




Project: Go East Landfill
Project Location: Snohomish County, Washington
Project Number: 6694-002-03

Figure A-7
Sheet 1 of 1

Date: 7/14/20 Path: P:\6694\002\GINT_669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/29/2020	Total Depth (ft)	1	Logged By	JCD	Excavator	
		Checked By	RL	Equipment	Hand Tools (Spade)		
Surface Elevation (ft) Vertical Datum	239.9 NAVD88		Easting (X) Northing (Y)	1311914.0 330338.3		Coordinate System Horizontal Datum	WA State Plane North (US Feet)

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing						
239	1		Fill-07-1		SP	Brown to gray fine to medium sand (moist)	NS	0.0	Sample collected at 14:00
<p>Completed at 1 foot depth in native soil (advance outwash) H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9% Groundwater not observed Caving not observed</p>									

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit Fill-07



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Date Excavated	6/29/2020	Total Depth (ft)	3	Logged By	JCD	Excavator	Glacier Environmental
		Checked By	RL	Equipment	CAT 320		
Surface Elevation (ft)	237.4	Easting (X)	1311982.3	Coordinate System	WA State Plane North (US Feet)		
Vertical Datum	NAVD88	Northing (Y)	330310.7	Horizontal Datum			

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing						
237	0				SP-SM	Gray fine to medium sand with silt (moist)			
236	1						NS		No PID/4-gas measurements (gas meter indicates low battery condition)
235	2								Sample collected at 11:55
	3	Fill-08-3							
<p>Completed at 3 feet depth in native soil (advance outwash) Slight groundwater seepage at 3 feet Caving not observed</p>									

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit Fill-08



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Date: 7/14/20 Path: P:\6694\002\GINT\669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/29/2020	Total Depth (ft)	3	Logged By	JCD	Excavator	Glacier Environmental
		Checked By	RL	Equipment	CAT 320		
Surface Elevation (ft)	238.5	Easting (X)	1312052.1	Coordinate System	WA State Plane North (US Feet)		
Vertical Datum	NAVD88	Northing (Y)	330270.3	Horizontal Datum			

Elevation (feet)	Depth (feet)	SAMPLE		Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing					
238	1			SP-SM	Gray to tan fine to medium sand with silt (moist)			
237	2					NS		No PID/4-gas measurements (gas meter indicates low battery condition)
236	3		Fill-09-3					Sample collected at 12:05
<p>Completed at 3 feet depth in native soil (advance outwash) Slight groundwater seepage at 3 feet Caving not observed</p>								

Notes: See Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit Fill-09



Project: Go East Landfill
Project Location: Snohomish County, Washington
Project Number: 6694-002-03

Figure A-10
Sheet 1 of 1

Date: 7/14/20 Path: P:\6694\002\GINT\669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/29/2020	Total Depth (ft)	3	Logged By	JCD	Excavator	Glacier Environmental
		Checked By	RL	Equipment	CAT 320		
Surface Elevation (ft)	235.6	Easting (X)	1312130.7	Coordinate System	WA State Plane North (US Feet)		
Vertical Datum	NAVD88	Northing (Y)	330247.4	Horizontal Datum			

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing						
236	1				SP-SM	Brown to gray fine to medium sand with silt (moist)			No PID/4-gas measurements (gas meter indicates low battery condition) Sample collected at 12:15
234	2						NS		
233	3	Fill-10-3							
Completed at 3 feet depth in native soil (advance outwash) Groundwater not observed Caving not observed									

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit Fill-10



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Figure A-11
 Sheet 1 of 1

Date: 7/14/20 Path: P:\6694\002\GINT_669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/29/2020	Total Depth (ft)	20	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft) Vertical Datum	216.3 NAVD88		Easting (X) Northing (Y)	1312497.7 330734.4		Coordinate System Horizontal Datum	WA State Plane North (US Feet)

Elevation (feet)	Depth (feet)	SAMPLE		Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing					
216				SW-SM	Black fine to coarse sand with silt and wood (non-dimensional), metal, plastic, brick, roofing tar, dry wall, creosote-treated wood			Slight to moderate H2S odor
215	1							
214	2							
213	3							
212	4					SS	0.0	
211	5							
210	6					SS	0.0	
209	7							
208	8							
207	9					NS	0.0	
206	10				Large wood debris at approximately 10 feet - difficult to excavate			H2S=0 ppm CO=0 ppm LEL= 0% O2 = 20.9%
205	11							
204	12				Concrete debris at 12 feet	SS	0.0	
203	13							
202	14							
201	15							
200	16					SS	0.0	
199	17							
198	18					SS	0.0	
197	19							
	20		STP-01-20			SS	0.0	Sample STP-01-20 collected at 09:20; sample Dup-1-200629 collected

Completed at 20 feet depth in landfill debris
Groundwater not observed
Caving not observed

Notes: See Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit STP-01



Project: Go East Landfill
Project Location: Snohomish County, Washington
Project Number: 6694-002-03

Date: 7/14/20 Path: P:\6694-002\GINT\6694-002-03.GPJ DBLibrary/Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/30/2020	Total Depth (ft)	15	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft)	221.3	Easting (X)	1312448.5	Coordinate System	WA State Plane North (US Feet)		
Vertical Datum	NAVD88	Northing (Y)	330657.2	Horizontal Datum			

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing						
221					SW-SM	Dark brown to black fine to coarse sand with silt (moist), with brick, concrete, vinyl flooring material, metal, glass, wire, plastic, roofing material			
220	1								
219	2								
218	3								Slight H2S odor
217	4						NS	0.0	
216	5								
215	6								
214	7								
213	8						SS	0.0	H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9%
212	9								
211	10								
210	11	STP-02-11					SS	1.0	Sample collected at 10:35
209	12								
208	13								
207	14								
	15								

Completed at 15 feet depth in landfill debris
 Groundwater not observed
 Caving not observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit STP-02



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Date: 7/14/20 Path: P:\6694\002\GINT\669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEI6_TESPIT_IP_ENV

Date Excavated	6/30/2020	Total Depth (ft)	15	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft) Vertical Datum	223.8 NAVD88		Easting (X) Northing (Y)	1312432.0 330619.2		Coordinate System Horizontal Datum	WA State Plane North (US Feet)

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes	
		Testing Sample	Sample Name Testing							
223	1				SW-SM	Dark brown to black fine to coarse sand with silt (moist), with concrete, metal, glass, plastic, wood (non-dimensional), roofing material			Slight H2S odor	
222	2									
221	3									
220	4							NS	0.0	
219	5									
218	6									
217	7									
216	8						Increasing wood debris (non-dimensional)			H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9%
215	9						Wood (dimensional)			
214	10									
213	11							SS	0.0	
212	12									
211	13							SS	0.0	
210	14						Dark brown to black and gray soil			
209	15	STP-03-15						SS	0.0	Sample collected at 11:15

Completed at 15 feet depth in landfill debris
 Groundwater not observed
 Caving not observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit STP-03



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Date: 7/14/20 Path: P:\6694\002\GINT_6694\002\3.GPJ DBLibrary/Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/30/2020	Total Depth (ft)	15	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft) Vertical Datum	228.9 NAVD88		Easting (X) Northing (Y)	1312302.9 330518.9		Coordinate System Horizontal Datum	WA State Plane North (US Feet)

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes	
		Testing Sample	Sample Name Testing							
228	1				SW-SM	Dark brown fine to coarse sand with silt (moist), with wood (non-dimensional and dimensional), concrete, ceramic, glass, metal, wire			Slight to moderate H2S odor	
227	2									
226	3									
225	4							NS	0.0	
224	5									
223	6									
222	7									
221	8						Large wood debris (non-dimensional)			H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9%
220	9									
219	10									
218	11							SS	0.0	
217	12									
216	13									
215	14									
214	15	STP-04-15						SS	1.0	Sample collected at 11:45

Completed at 15 feet depth in landfill debris
 Groundwater not observed
 Caving not observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit STP-04



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Date: 7/14/20 Path: P:\6694\002\GINT\669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/30/2020	Total Depth (ft)	15	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft) Vertical Datum	227.0 NAVD88		Easting (X) Northing (Y)	1312263.9 330489.2		Coordinate System Horizontal Datum	WA State Plane North (US Feet)

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes	
		Testing Sample	Sample Name Testing							
226	1				SW-SM	Dark brown fine to coarse sand with silt (moist), with concrete, metal, glass, wood (non-dimensional and dimensional), plastic, wire			Slight to moderate H2S odor	
225	2									
224	3									
223	4							SS	0.0	
222	5									
221	6									
220	7							SS	0.0	H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9%
219	8									
218	9									
217	10	STP-05-10					Dark brown to black soil	SS	0.0	Sample collected at 12:40
216	11									
215	12									
214	13									
213	14									
212	15							NS	0.0	

Completed at 15 feet depth in landfill debris
Groundwater not observed
Caving not observed

Notes: See Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit STP-05



Project: Go East Landfill
Project Location: Snohomish County, Washington
Project Number: 6694-002-03

Date: 7/14/20 Path: P:\6694\002\GINT_669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/30/2020	Total Depth (ft)	15	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft)	224.8		Easting (X)	1312209.5		Coordinate System	WA State Plane North (US Feet)
Vertical Datum	NAVD88		Northing (Y)	330449.7		Horizontal Datum	

Elevation (feet)	Depth (feet)	SAMPLE		Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing					
224	1			SW-SM	Dark brown to black fine to coarse sand with silt (moist), with glass, wood, metal			Slight H2S odor
223	2							
222	3							
221	4							
220	5					NS	0.0	
219	6					NS	0.0	
218	7							
217	8				Increasing wood debris (dimensional)			H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9%
216	9							
215	10					NS	0.0	
214	11							
213	12							
212	13							
211	14							
210	15	STP-06-15				SS	0.0	Sample collected at 13:15

Completed at 15 feet depth in landfill debris
 Groundwater not observed
 Caving not observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit STP-06



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Figure A-17
 Sheet 1 of 1

Date: 7/14/20 Path: P:\6694\002\GINT_669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/29/2020	Total Depth (ft)	15	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft)	234.8	Easting (X)	1311986.9	Coordinate System	WA State Plane North (US Feet)		
Vertical Datum	NAVD88	Northing (Y)	330428.6	Horizontal Datum			

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing						
234	1				SP-SM	Dark brown fine to medium sand with coarse sand and gravel (moist), with wood (dimensional), metal, drywall-type material, carpet			Slight H2S odor
233	2								
232	3								
231	4						NS	0.0	
230	5								
229	6						NS	0.0	
228	7								
228	8						NS	0.0	H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9%
227	9								
226	10								
225	11								
224	12						NS	0.0	
223	13								
222	14								
221	15	STP-07-15					SS	0.0	Sample collected at 12:50

Completed at 15 feet depth in landfill debris
 Groundwater not observed
 Caving not observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Date: 7/14/20 Path: P:\6694\002\GINT_6694\002\3.GPJ DBLibrary/Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Log of Test Pit STP-07



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Date Excavated	6/30/2020	Total Depth (ft)	4.5	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft) Vertical Datum	241.7 NAVD88		Easting (X) Northing (Y)	1311805.8 330520.7		Coordinate System Horizontal Datum	WA State Plane North (US Feet)

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing						
241	1				SW-SM	Dark brown fine to coarse sand with silt (moist), with some wood (non-dimensional) and metal debris			H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9% Sample collected at 13:40
240	2	STP-08-3			SP-SM	Brown to tan fine to medium sand with silt (moist)	NS	0.0	
239	3								
238	4								
<p>Completed at 4½ feet depth in native soil (advance outwash) Slight groundwater seepage observed at approximately 4 feet Caving not observed</p>									

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to ½ foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit STP-08



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Date Excavated	6/29/2020	Total Depth (ft)	6	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft) Vertical Datum	252.6 NAVD88		Easting (X) Northing (Y)	1311753.4 330677		Coordinate System Horizontal Datum	WA State Plane North (US Feet)

Elevation (feet)	Depth (feet)	SAMPLE		Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing					
252	1			SM	Brown to black silty fine to coarse sand (moist), with roots, glass, and plastic debris			Sample collected at 13:20 H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9%
251	2	STP-09-2				NS	0.0	
250	3							
249	4			SP-SM	Brown to tan fine to medium sand with silt (moist)			
248	5							
247	6							
Completed at 6 feet depth in native soil (advance outwash) Groundwater not observed Caving not observed								

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit STP-09



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Figure A-20
 Sheet 1 of 1

Date: 7/14/20 Path: P:\6694\002\GINT\669400203.GPJ DBLibrary/Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/30/2020	Total Depth (ft)	15	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft)	242.2		Easting (X)	1311847.9		Coordinate System	WA State Plane North (US Feet)
Vertical Datum	NAVD88		Northing (Y)	330646.8		Horizontal Datum	

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing						
241	1				SPSM	Gray fine to medium sand with coarse sand and silt (moist), with some brick and metal debris, concrete			Slight H2S odor
240	2								
239	3					Wood debris (non-dimensional); soil color changes to dark brown			
238	4						NS	0.0	
237	5					Metal, plastic, wood (non-dimensional), glass, wire			
236	6								
235	7						NS	0.0	H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9%
234	8					Large concrete debris			
233	9						NS	0.0	
232	10								
231	11								
230	12								
229	13								
228	14								
	15		STP-10-SP				NS	0.0	Stockpile sample collected at 09:50

Completed at 15 feet depth in landfill debris
Groundwater not observed
Caving not observed

Notes: See Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Date: 7/14/20 Path: P:\6694002\GINT_669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESPIT_IP_ENV

Log of Test Pit STP-10



Project: Go East Landfill
Project Location: Snohomish County, Washington
Project Number: 6694-002-03

Date Excavated	6/30/2020	Total Depth (ft)	5	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft)	241.8	Easting (X)	1311900.3	Coordinate System	WA State Plane North (US Feet)		
Vertical Datum	NAVD88	Northing (Y)	330693.9	Horizontal Datum			

Elevation (feet)	Depth (feet)	SAMPLE		Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes
		Testing Sample	Sample Name Testing					
241	1			SW-SM	Dark brown to black fine to coarse sand with silt (moist), with glass, wood, metal debris			H2S=0 ppm CO=0 ppm LEL = 0% O2 = 20.9% Sample collected at 09:08
240	2	STP-11-2		SP-SM	Brown to tan fine to medium sand with silt, coarse sand and fine gravel (moist)	NS	0.0	
239	3							
238	4							
237	5							
Completed at 5 feet depth in native soil (advance outwash) Slight groundwater seepage at 4 feet Caving not observed								

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit STP-11



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Figure A-22
 Sheet 1 of 1

Date: 7/14/20 Path: P:\6694\002\GINT\669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEI6_TESTPIT_IP_ENV

Date Excavated	6/30/2020	Total Depth (ft)	15	Logged By	JCD	Excavator	Glacier Environmental
				Checked By	RL	Equipment	CAT 320
Surface Elevation (ft) Vertical Datum	242.4 NAVD88		Easting (X) Northing (Y)	1311953.2 330789.8		Coordinate System Horizontal Datum	WA State Plane North (US Feet)

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	Notes	
		Testing Sample	Sample Name Testing							
242					SW-SM	Dark brown to black fine to coarse sand with silt (moist), with roofing material, metal, glass, plastic, wood debris (non-dimensional), wire			H2S odor	
241	1									
240	2									
239	3									
238	4							NS	0.0	
237	5									
236	6									
235	7	STP-12-7						SS	1.0	H2S=0 ppm CO=0 ppm LEL=0% O2=20.9% Sample collected at 08:50
234	8									
233	9									
232	10									
231	11							NS	0.0	
230	12									
229	13									
228	14							NS	0.0	
228	15									

Completed at 15 feet depth in landfill debris
 Groundwater not observed
 Caving not observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 1/2 foot.
 Coordinates Data Source: Land survey conducted by PACE Engineers on 6/25/20 and 7/1/20.

Log of Test Pit STP-12



Project: Go East Landfill
 Project Location: Snohomish County, Washington
 Project Number: 6694-002-03

Date: 7/14/20 Path: P:\6694\002\GINT_669400203.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017\GLB\GEIG_TESTPIT_IP_ENV

ATTACHMENT B
Laboratory Analytical Reports



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 13, 2020

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03
Laboratory Reference No. 2006-338

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on June 30, 2020.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

Case Narrative

Samples were collected on June 29, 2020 and received by the laboratory on June 30, 2020. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Organochlorine Pesticides by EPA 8081B Analysis

Negative effects of the matrix from the samples STP-01-20, STP-07-15, STP-09-2, and Dup-1-200629 on the instrument caused values for 4,4'-DDT and Methoxychlor in the continuing calibration verification standards (CCVs) to be low. Because of this, quantitation limits and sample concentrations can be higher than reported.

Below is a table containing the results and PQLs of the affected samples. Please note that the "% Low in CCV percentage is the multiplier which theoretically would apply to the sample results as well as the PQLs. For example, a sample with a PQL of 11 and a %Low in CVV number of 39% could be considered to have a more realistic PQL of 18 using the formula $NEW\ VALUE = OLD\ VALUE / (100 - Percent\ Low)$, which in this case would be $11 / (100 - 39) = 18$.

Analyte	Result	PQL	%Low in CCV
Client ID:	STP-01-20		
4,4'-DDT	ND	12	39%
Methoxychlor	ND	12	31%
Client ID:	STP-07-15		
4,4'-DDT	ND	11	39%
Methoxychlor	ND	11	31%
Client ID:	STP-09-2		
4,4'-DDT	ND	13	39%
Methoxychlor	ND	13	31%
Client ID:	Dup-1-200629		
4,4'-DDT	ND	12	39%
Methoxychlor	ND	12	31%

Chlorinated Acid Herbicides EPA 8151A Analysis

Sample Fill-06-3 was used as the MS/MSD pair. The RPD values for Dalapon was above its quality control limits between the MS and MSD. All percent recovery values were within quality control limits and no further action was performed.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
STP-01-20	06-338-01	Soil	6-29-20	6-30-20	
Fill-03-3	06-338-02	Soil	6-29-20	6-30-20	
Fill-02-3	06-338-03	Soil	6-29-20	6-30-20	
Fill-01-3	06-338-04	Soil	6-29-20	6-30-20	
Fill-04-3	06-338-05	Soil	6-29-20	6-30-20	
Fill-05-3	06-338-06	Soil	6-29-20	6-30-20	
Fill-06-3	06-338-07	Soil	6-29-20	6-30-20	
Fill-08-3	06-338-08	Soil	6-29-20	6-30-20	
Fill-09-3	06-338-09	Soil	6-29-20	6-30-20	
Fill-10-3	06-338-10	Soil	6-29-20	6-30-20	
STP-07-15	06-338-11	Soil	6-29-20	6-30-20	
STP-09-2	06-338-12	Soil	6-29-20	6-30-20	
FST-01-1	06-338-13	Soil	6-29-20	6-30-20	
Fill-07-1	06-338-14	Soil	6-29-20	6-30-20	
Dup-1-200629	06-338-15	Soil	6-29-20	6-30-20	



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
Gasoline	ND	15	NWTPH-Gx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	93	58-129				
Client ID:	Fill-03-3					
Laboratory ID:	06-338-02					
Gasoline	ND	6.3	NWTPH-Gx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	91	58-129				
Client ID:	Fill-06-3					
Laboratory ID:	06-338-07					
Gasoline	ND	6.9	NWTPH-Gx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	91	58-129				
Client ID:	Fill-09-3					
Laboratory ID:	06-338-09					
Gasoline	ND	6.7	NWTPH-Gx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	92	58-129				
Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
Gasoline	ND	6.3	NWTPH-Gx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	93	58-129				
Client ID:	STP-09-2					
Laboratory ID:	06-338-12					
Gasoline	ND	7.8	NWTPH-Gx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	90	58-129				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**GASOLINE RANGE ORGANICS/BTEX
 NWTPH-Gx/EPA 8021B**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FST-01-1					
Laboratory ID:	06-338-13					
Benzene	ND	0.020	EPA 8021B	7-1-20	7-1-20	
Toluene	ND	0.058	EPA 8021B	7-1-20	7-1-20	
Ethyl Benzene	ND	0.058	EPA 8021B	7-1-20	7-1-20	
m,p-Xylene	ND	0.058	EPA 8021B	7-1-20	7-1-20	
o-Xylene	ND	0.058	EPA 8021B	7-1-20	7-1-20	
Gasoline	ND	5.8	NWTPH-Gx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	58-129				
Client ID:	Dup-1-200629					
Laboratory ID:	06-338-15					
Gasoline	ND	13	NWTPH-Gx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	58-129				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
Diesel Range Organics	ND	150	NWTPH-Dx	7-1-20	7-1-20	
Lube Oil	2000	300	NWTPH-Dx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				

Client ID:	Fill-03-3					
Laboratory ID:	06-338-02					
Diesel Range Organics	ND	27	NWTPH-Dx	7-1-20	7-1-20	
Lube Oil Range Organics	ND	54	NWTPH-Dx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	88	50-150				

Client ID:	Fill-06-3					
Laboratory ID:	06-338-07					
Diesel Range Organics	ND	30	NWTPH-Dx	7-1-20	7-1-20	
Lube Oil Range Organics	ND	60	NWTPH-Dx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				

Client ID:	Fill-09-3					
Laboratory ID:	06-338-09					
Diesel Range Organics	ND	29	NWTPH-Dx	7-1-20	7-1-20	
Lube Oil Range Organics	ND	57	NWTPH-Dx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				

Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
Diesel Range Organics	ND	28	NWTPH-Dx	7-1-20	7-1-20	
Lube Oil	440	55	NWTPH-Dx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				

Client ID:	STP-09-2					
Laboratory ID:	06-338-12					
Diesel Range Organics	ND	33	NWTPH-Dx	7-1-20	7-1-20	
Lube Oil	140	66	NWTPH-Dx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FST-01-1					
Laboratory ID:	06-338-13					
Diesel Range Organics	93	27	NWTPH-Dx	7-1-20	7-1-20	
Lube Oil Range Organics	160	54	NWTPH-Dx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	106	50-150				
Client ID:	Dup-1-200629					
Laboratory ID:	06-338-15					
Diesel Range Organics	ND	150	NWTPH-Dx	7-1-20	7-1-20	
Lube Oil	1600	300	NWTPH-Dx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
Dichlorodifluoromethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.010	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0080	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Acetone	0.70	0.016	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0080	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	0.011	0.0016	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0080	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0080	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
2-Butanone	0.19	0.0080	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0080	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0080	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0080	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
1,1,2-Trichloroethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0080	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	0.0029	0.0016	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0032	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0080	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0016	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
1,1,2,2-Tetrachloroethane	ND	0.069	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichloropropane	ND	0.069	EPA 8260D	7-2-20	7-2-20	
n-Propylbenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
2-Chlorotoluene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
4-Chlorotoluene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
1,3,5-Trimethylbenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
tert-Butylbenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trimethylbenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
sec-Butylbenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
1,3-Dichlorobenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
p-Isopropyltoluene	0.15	0.069	EPA 8260D	7-2-20	7-2-20	
1,4-Dichlorobenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
1,2-Dichlorobenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
n-Butylbenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
1,2-Dibromo-3-chloropropane	ND	0.34	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trichlorobenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
Hexachlorobutadiene	ND	0.34	EPA 8260D	7-2-20	7-2-20	
Naphthalene	ND	0.34	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichlorobenzene	ND	0.069	EPA 8260D	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>72</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-03-3					
Laboratory ID:	06-338-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0079	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.012	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	



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 Project: 6694-002-03

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-03-3					
Laboratory ID:	06-338-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0024	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>71-130</i>				



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 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-06-3					
Laboratory ID:	06-338-07					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0071	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.011	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-06-3					
Laboratory ID:	06-338-07					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0022	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0055	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>92</i>	<i>71-130</i>				



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 Laboratory Reference: 2006-338
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-09-3					
Laboratory ID:	06-338-09					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0087	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.013	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-09-3					
Laboratory ID:	06-338-09					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0027	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0067	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>92</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0079	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.012	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0024	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0061	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>82</i>	<i>71-130</i>				



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 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-09-2					
Laboratory ID:	06-338-12					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0091	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.014	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-09-2					
Laboratory ID:	06-338-12					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0028	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0070	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>80</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Dup-1-200629					
Laboratory ID:	06-338-15					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0088	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Acetone	0.62	0.014	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	0.022	0.0014	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Butanone	0.16	0.0068	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Dup-1-200629					
Laboratory ID:	06-338-15					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	0.0026	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	0.0015	0.0014	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0027	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
1,1,2,2-Tetrachloroethane	ND	0.075	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichloropropane	ND	0.075	EPA 8260D	7-2-20	7-2-20	
n-Propylbenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
2-Chlorotoluene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
4-Chlorotoluene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
1,3,5-Trimethylbenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
tert-Butylbenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trimethylbenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
sec-Butylbenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
1,3-Dichlorobenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
p-Isopropyltoluene	0.13	0.075	EPA 8260D	7-2-20	7-2-20	
1,4-Dichlorobenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
1,2-Dichlorobenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
n-Butylbenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
1,2-Dibromo-3-chloropropane	ND	0.37	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trichlorobenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
Hexachlorobutadiene	ND	0.37	EPA 8260D	7-2-20	7-2-20	
Naphthalene	ND	0.37	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichlorobenzene	ND	0.075	EPA 8260D	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>77</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	10	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	5.1	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	2.8	1.0	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Naphthalene	0.14	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
4-Chloroaniline	ND	5.1	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	0.11	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
1-Methylnaphthalene	0.092	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	1.0	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	1.0	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	ND	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
3-Nitroaniline	ND	1.0	EPA 8270E	7-1-20	7-3-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
2,4-Dinitrophenol	ND	5.1	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	ND	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
4-Nitrophenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	5.1	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Fluorene	0.066	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
4,6-Dinitro-2-methylphenol	ND	5.1	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	5.1	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	0.53	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
Anthracene	0.062	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
Carbazole	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	5.1	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.30	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
Pyrene	0.32	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
Butylbenzylphthalate	ND	5.1	EPA 8270E	7-1-20	7-3-20	
bis(2-Ethylhexyl)adipate	ND	5.1	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	5.1	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	0.070	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
Chrysene	0.16	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
bis(2-Ethylhexyl)phthalate	ND	5.1	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	5.1	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	0.090	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo(j,k)fluoranthene	ND	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[a]pyrene	0.071	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
Indeno[1,2,3-cd]pyrene	0.056	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
Dibenz[a,h]anthracene	ND	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[g,h,i]perylene	0.076	0.040	EPA 8270E/SIM	7-1-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	55	22 - 109				
Phenol-d6	63	36 - 110				
Nitrobenzene-d5	69	31 - 109				
2-Fluorobiphenyl	65	45 - 107				
2,4,6-Tribromophenol	60	43 - 124				
Terphenyl-d14	63	52 - 118				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-03-3					
Laboratory ID:	06-338-02					
n-Nitrosodimethylamine	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Pyridine	ND	0.36	EPA 8270E	7-7-20	7-7-20	
Phenol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Aniline	ND	0.18	EPA 8270E	7-7-20	7-7-20	
bis(2-Chloroethyl)ether	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2-Chlorophenol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
1,3-Dichlorobenzene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
1,4-Dichlorobenzene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Benzyl alcohol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
1,2-Dichlorobenzene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2-Methylphenol (o-Cresol)	ND	0.036	EPA 8270E	7-7-20	7-7-20	
bis(2-Chloroisopropyl)ether	ND	0.036	EPA 8270E	7-7-20	7-7-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.036	EPA 8270E	7-7-20	7-7-20	
n-Nitroso-di-n-propylamine	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Hexachloroethane	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Nitrobenzene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Isophorone	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2-Nitrophenol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2,4-Dimethylphenol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
bis(2-Chloroethoxy)methane	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2,4-Dichlorophenol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
1,2,4-Trichlorobenzene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Naphthalene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
4-Chloroaniline	ND	0.18	EPA 8270E	7-7-20	7-7-20	
Hexachlorobutadiene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
4-Chloro-3-methylphenol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
1-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
Hexachlorocyclopentadiene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2,4,6-Trichlorophenol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2,3-Dichloroaniline	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2,4,5-Trichlorophenol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2-Chloronaphthalene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2-Nitroaniline	ND	0.036	EPA 8270E	7-7-20	7-7-20	
1,4-Dinitrobenzene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Dimethylphthalate	ND	0.036	EPA 8270E	7-7-20	7-7-20	
1,3-Dinitrobenzene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2,6-Dinitrotoluene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
1,2-Dinitrobenzene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Acenaphthylene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
3-Nitroaniline	ND	0.036	EPA 8270E	7-7-20	7-7-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-03-3					
Laboratory ID:	06-338-02					
2,4-Dinitrophenol	ND	0.18	EPA 8270E	7-7-20	7-7-20	
Acenaphthene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
4-Nitrophenol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2,4-Dinitrotoluene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Dibenzofuran	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2,3,5,6-Tetrachlorophenol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
2,3,4,6-Tetrachlorophenol	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Diethylphthalate	ND	0.18	EPA 8270E	7-7-20	7-7-20	
4-Chlorophenyl-phenylether	ND	0.036	EPA 8270E	7-7-20	7-7-20	
4-Nitroaniline	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Fluorene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
4,6-Dinitro-2-methylphenol	ND	0.18	EPA 8270E	7-7-20	7-7-20	
n-Nitrosodiphenylamine	ND	0.036	EPA 8270E	7-7-20	7-7-20	
1,2-Diphenylhydrazine	ND	0.036	EPA 8270E	7-7-20	7-7-20	
4-Bromophenyl-phenylether	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Hexachlorobenzene	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Pentachlorophenol	ND	0.18	EPA 8270E	7-7-20	7-7-20	
Phenanthrene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
Anthracene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
Carbazole	ND	0.036	EPA 8270E	7-7-20	7-7-20	
Di-n-butylphthalate	ND	0.18	EPA 8270E	7-7-20	7-7-20	
Fluoranthene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
Pyrene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
Butylbenzylphthalate	ND	0.18	EPA 8270E	7-7-20	7-7-20	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	7-7-20	7-7-20	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	7-7-20	7-7-20	
Benzo[a]anthracene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
Chrysene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	7-7-20	7-7-20	
Di-n-octylphthalate	ND	0.18	EPA 8270E	7-7-20	7-7-20	
Benzo[b]fluoranthene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
Benzo(j,k)fluoranthene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
Benzo[a]pyrene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
Indeno[1,2,3-cd]pyrene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
Dibenz[a,h]anthracene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
Benzo[g,h,i]perylene	ND	0.0072	EPA 8270E/SIM	7-7-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>77</i>	<i>22 - 109</i>				
<i>Phenol-d6</i>	<i>90</i>	<i>36 - 110</i>				
<i>Nitrobenzene-d5</i>	<i>89</i>	<i>31 - 109</i>				
<i>2-Fluorobiphenyl</i>	<i>74</i>	<i>45 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>87</i>	<i>43 - 124</i>				
<i>Terphenyl-d14</i>	<i>78</i>	<i>52 - 118</i>				



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 Laboratory Reference: 2006-338
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-06-3					
Laboratory ID:	06-338-07					
n-Nitrosodimethylamine	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Pyridine	ND	0.40	EPA 8270E	7-1-20	7-1-20	
Phenol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Aniline	ND	0.20	EPA 8270E	7-1-20	7-1-20	
bis(2-Chloroethyl)ether	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2-Chlorophenol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Benzyl alcohol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2-Methylphenol (o-Cresol)	ND	0.040	EPA 8270E	7-1-20	7-1-20	
bis(2-Chloroisopropyl)ether	ND	0.040	EPA 8270E	7-1-20	7-1-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.040	EPA 8270E	7-1-20	7-1-20	
n-Nitroso-di-n-propylamine	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Hexachloroethane	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Nitrobenzene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Isophorone	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2-Nitrophenol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2,4-Dimethylphenol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
bis(2-Chloroethoxy)methane	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2,4-Dichlorophenol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Naphthalene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
4-Chloroaniline	ND	0.20	EPA 8270E	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
4-Chloro-3-methylphenol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2-Methylnaphthalene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
Hexachlorocyclopentadiene	ND	0.078	EPA 8270E	7-1-20	7-1-20	
2,4,6-Trichlorophenol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2,3-Dichloroaniline	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2,4,5-Trichlorophenol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2-Chloronaphthalene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2-Nitroaniline	ND	0.040	EPA 8270E	7-1-20	7-1-20	
1,4-Dinitrobenzene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Dimethylphthalate	ND	0.040	EPA 8270E	7-1-20	7-1-20	
1,3-Dinitrobenzene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2,6-Dinitrotoluene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
1,2-Dinitrobenzene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Acenaphthylene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
3-Nitroaniline	ND	0.040	EPA 8270E	7-1-20	7-1-20	



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-06-3					
Laboratory ID:	06-338-07					
2,4-Dinitrophenol	ND	0.45	EPA 8270E	7-1-20	7-1-20	
Acenaphthene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
4-Nitrophenol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2,4-Dinitrotoluene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Dibenzofuran	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2,3,5,6-Tetrachlorophenol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
2,3,4,6-Tetrachlorophenol	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Diethylphthalate	ND	0.20	EPA 8270E	7-1-20	7-1-20	
4-Chlorophenyl-phenylether	ND	0.040	EPA 8270E	7-1-20	7-1-20	
4-Nitroaniline	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Fluorene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
4,6-Dinitro-2-methylphenol	ND	0.34	EPA 8270E	7-1-20	7-1-20	
n-Nitrosodiphenylamine	ND	0.040	EPA 8270E	7-1-20	7-1-20	
1,2-Diphenylhydrazine	ND	0.040	EPA 8270E	7-1-20	7-1-20	
4-Bromophenyl-phenylether	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Hexachlorobenzene	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Pentachlorophenol	ND	0.20	EPA 8270E	7-1-20	7-1-20	
Phenanthrene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
Carbazole	ND	0.040	EPA 8270E	7-1-20	7-1-20	
Di-n-butylphthalate	ND	0.20	EPA 8270E	7-1-20	7-1-20	
Fluoranthene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
Butylbenzylphthalate	ND	0.20	EPA 8270E	7-1-20	7-1-20	
bis-2-Ethylhexyladipate	ND	0.20	EPA 8270E	7-1-20	7-1-20	
3,3'-Dichlorobenzidine	ND	0.20	EPA 8270E	7-1-20	7-1-20	
Benzo[a]anthracene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
bis(2-Ethylhexyl)phthalate	ND	0.20	EPA 8270E	7-1-20	7-1-20	
Di-n-octylphthalate	ND	0.20	EPA 8270E	7-1-20	7-1-20	
Benzo[b]fluoranthene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno[1,2,3-cd]pyrene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0080	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>63</i>	<i>22 - 109</i>				
<i>Phenol-d6</i>	<i>70</i>	<i>36 - 110</i>				
<i>Nitrobenzene-d5</i>	<i>73</i>	<i>31 - 109</i>				
<i>2-Fluorobiphenyl</i>	<i>64</i>	<i>45 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>64</i>	<i>43 - 124</i>				
<i>Terphenyl-d14</i>	<i>61</i>	<i>52 - 118</i>				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-09-3					
Laboratory ID:	06-338-09					
n-Nitrosodimethylamine	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Pyridine	ND	0.38	EPA 8270E	7-1-20	7-2-20	
Phenol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Aniline	ND	0.19	EPA 8270E	7-1-20	7-2-20	
bis(2-Chloroethyl)ether	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2-Chlorophenol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
1,3-Dichlorobenzene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
1,4-Dichlorobenzene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Benzyl alcohol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
1,2-Dichlorobenzene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2-Methylphenol (o-Cresol)	ND	0.038	EPA 8270E	7-1-20	7-2-20	
bis(2-Chloroisopropyl)ether	ND	0.038	EPA 8270E	7-1-20	7-2-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.038	EPA 8270E	7-1-20	7-2-20	
n-Nitroso-di-n-propylamine	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Hexachloroethane	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Nitrobenzene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Isophorone	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2-Nitrophenol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2,4-Dimethylphenol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
bis(2-Chloroethoxy)methane	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2,4-Dichlorophenol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
1,2,4-Trichlorobenzene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Naphthalene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
4-Chloroaniline	ND	0.19	EPA 8270E	7-1-20	7-2-20	
Hexachlorobutadiene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
4-Chloro-3-methylphenol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Hexachlorocyclopentadiene	ND	0.075	EPA 8270E	7-1-20	7-2-20	
2,4,6-Trichlorophenol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2,3-Dichloroaniline	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2,4,5-Trichlorophenol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2-Chloronaphthalene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2-Nitroaniline	ND	0.038	EPA 8270E	7-1-20	7-2-20	
1,4-Dinitrobenzene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Dimethylphthalate	ND	0.038	EPA 8270E	7-1-20	7-2-20	
1,3-Dinitrobenzene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2,6-Dinitrotoluene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
1,2-Dinitrobenzene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Acenaphthylene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
3-Nitroaniline	ND	0.038	EPA 8270E	7-1-20	7-2-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-09-3					
Laboratory ID:	06-338-09					
2,4-Dinitrophenol	ND	0.43	EPA 8270E	7-1-20	7-2-20	
Acenaphthene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
4-Nitrophenol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2,4-Dinitrotoluene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Dibenzofuran	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2,3,5,6-Tetrachlorophenol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
2,3,4,6-Tetrachlorophenol	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Diethylphthalate	ND	0.19	EPA 8270E	7-1-20	7-2-20	
4-Chlorophenyl-phenylether	ND	0.038	EPA 8270E	7-1-20	7-2-20	
4-Nitroaniline	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Fluorene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
4,6-Dinitro-2-methylphenol	ND	0.33	EPA 8270E	7-1-20	7-2-20	
n-Nitrosodiphenylamine	ND	0.038	EPA 8270E	7-1-20	7-2-20	
1,2-Diphenylhydrazine	ND	0.038	EPA 8270E	7-1-20	7-2-20	
4-Bromophenyl-phenylether	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Hexachlorobenzene	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Pentachlorophenol	ND	0.19	EPA 8270E	7-1-20	7-2-20	
Phenanthrene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Carbazole	ND	0.038	EPA 8270E	7-1-20	7-2-20	
Di-n-butylphthalate	ND	0.19	EPA 8270E	7-1-20	7-2-20	
Fluoranthene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Butylbenzylphthalate	ND	0.19	EPA 8270E	7-1-20	7-2-20	
bis(2-Ethylhexyl)adipate	ND	0.19	EPA 8270E	7-1-20	7-2-20	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	7-1-20	7-2-20	
Benzo[a]anthracene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	7-1-20	7-2-20	
Di-n-octylphthalate	ND	0.19	EPA 8270E	7-1-20	7-2-20	
Benzo[b]fluoranthene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno[1,2,3-cd]pyrene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>58</i>	<i>22 - 109</i>				
<i>Phenol-d6</i>	<i>66</i>	<i>36 - 110</i>				
<i>Nitrobenzene-d5</i>	<i>67</i>	<i>31 - 109</i>				
<i>2-Fluorobiphenyl</i>	<i>59</i>	<i>45 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>60</i>	<i>43 - 124</i>				
<i>Terphenyl-d14</i>	<i>57</i>	<i>52 - 118</i>				



Date of Report: July 13, 2020
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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
n-Nitrosodimethylamine	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	1.8	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	0.92	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	0.18	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	0.18	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.18	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Naphthalene	0.028	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
4-Chloroaniline	ND	0.92	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	0.069	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
1-Methylnaphthalene	0.023	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
Hexachlorocyclopentadiene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	0.18	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	0.18	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	0.010	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
3-Nitroaniline	ND	0.18	EPA 8270E	7-1-20	7-3-20	



Date of Report: July 13, 2020
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 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
2,4-Dinitrophenol	ND	0.92	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	0.012	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
4-Nitrophenol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	0.92	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	0.18	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Fluorene	ND	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
4,6-Dinitro-2-methylphenol	ND	0.92	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	0.18	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	0.18	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	0.92	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	0.045	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
Anthracene	0.010	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
Carbazole	ND	0.18	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	0.92	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.043	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
Pyrene	0.086	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
Butylbenzylphthalate	ND	0.92	EPA 8270E	7-1-20	7-3-20	
bis(2-Ethylhexyl)adipate	ND	0.92	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	0.92	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	0.043	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
Chrysene	0.054	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
bis(2-Ethylhexyl)phthalate	ND	0.92	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	0.92	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	0.048	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo(j,k)fluoranthene	0.014	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[a]pyrene	0.047	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
Indeno[1,2,3-cd]pyrene	0.029	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
Dibenz[a,h]anthracene	0.0083	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[g,h,i]perylene	0.035	0.0074	EPA 8270E/SIM	7-1-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	78	22 - 109				
Phenol-d6	88	36 - 110				
Nitrobenzene-d5	97	31 - 109				
2-Fluorobiphenyl	90	45 - 107				
2,4,6-Tribromophenol	92	43 - 124				
Terphenyl-d14	85	52 - 118				



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 Laboratory Reference: 2006-338
 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-09-2					
Laboratory ID:	06-338-12					
n-Nitrosodimethylamine	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	4.4	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	2.2	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	0.44	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	0.44	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.44	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Naphthalene	0.022	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
4-Chloroaniline	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	ND	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
1-Methylnaphthalene	ND	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Hexachlorocyclopentadiene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	ND	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
3-Nitroaniline	ND	0.44	EPA 8270E	7-1-20	7-3-20	



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-09-2					
Laboratory ID:	06-338-12					
2,4-Dinitrophenol	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	ND	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
4-Nitrophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	0.44	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Fluorene	ND	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
4,6-Dinitro-2-methylphenol	ND	2.2	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	0.44	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	0.045	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Anthracene	ND	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Carbazole	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.060	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Pyrene	0.067	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Butylbenzylphthalate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
bis(2-Ethylhexyl)adipate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	0.027	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Chrysene	0.038	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
bis(2-Ethylhexyl)phthalate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	0.041	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo(j,k)fluoranthene	ND	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[a]pyrene	0.036	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Indeno[1,2,3-cd]pyrene	0.024	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Dibenz[a,h]anthracene	ND	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[g,h,i]perylene	0.028	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	83	22 - 109				
Phenol-d6	94	36 - 110				
Nitrobenzene-d5	101	31 - 109				
2-Fluorobiphenyl	94	45 - 107				
2,4,6-Tribromophenol	100	43 - 124				
Terphenyl-d14	91	52 - 118				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Dup-1-200629					
Laboratory ID:	06-338-15					
n-Nitrosodimethylamine	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	8.1	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	4.1	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	0.81	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	0.81	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	3.5	0.81	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Naphthalene	0.13	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
4-Chloroaniline	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	0.10	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
1-Methylnaphthalene	0.081	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
Hexachlorocyclopentadiene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	0.81	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	0.81	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	0.029	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
3-Nitroaniline	ND	0.81	EPA 8270E	7-1-20	7-3-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Dup-1-200629					
Laboratory ID:	06-338-15					
2,4-Dinitrophenol	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	0.029	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
4-Nitrophenol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	0.81	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Fluorene	0.064	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
4,6-Dinitro-2-methylphenol	ND	4.1	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	0.81	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	0.81	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	0.53	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
Anthracene	0.060	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
Carbazole	ND	0.81	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.25	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
Pyrene	0.27	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
Butylbenzylphthalate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
bis(2-Ethylhexyl)adipate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	0.084	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
Chrysene	0.14	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
bis(2-Ethylhexyl)phthalate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	0.089	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo(j,k)fluoranthene	0.027	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[a]pyrene	0.088	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
Indeno[1,2,3-cd]pyrene	0.050	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
Dibenz[a,h]anthracene	0.017	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[g,h,i]perylene	0.067	0.016	EPA 8270E/SIM	7-1-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	69	22 - 109				
Phenol-d6	78	36 - 110				
Nitrobenzene-d5	80	31 - 109				
2-Fluorobiphenyl	79	45 - 107				
2,4,6-Tribromophenol	76	43 - 124				
Terphenyl-d14	76	52 - 118				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

PAHs EPA 8270E/SIM

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-02-3					
Laboratory ID:	06-338-03					
Naphthalene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
2-Methylnaphthalene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthylene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Fluorene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Phenanthrene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Fluoranthene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]anthracene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[b]fluoranthene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno(1,2,3-c,d)pyrene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0075	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorobiphenyl	83	46 - 113				
Pyrene-d10	95	45 - 114				
Terphenyl-d14	97	49 - 121				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

PAHs EPA 8270E/SIM

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-01-3					
Laboratory ID:	06-338-04					
Naphthalene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
2-Methylnaphthalene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthylene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Fluorene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Phenanthrene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Fluoranthene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]anthracene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[b]fluoranthene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno(1,2,3-c,d)pyrene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0069	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorobiphenyl	92	46 - 113				
Pyrene-d10	95	45 - 114				
Terphenyl-d14	99	49 - 121				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

PAHs EPA 8270E/SIM

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-04-3					
Laboratory ID:	06-338-05					
Naphthalene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
2-Methylnaphthalene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthylene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Fluorene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Phenanthrene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Fluoranthene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]anthracene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[b]fluoranthene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno(1,2,3-c,d)pyrene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorobiphenyl	84	46 - 113				
Pyrene-d10	94	45 - 114				
Terphenyl-d14	97	49 - 121				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

PAHs EPA 8270E/SIM

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-05-3					
Laboratory ID:	06-338-06					
Naphthalene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
2-Methylnaphthalene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthylene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Fluorene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Phenanthrene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Fluoranthene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]anthracene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[b]fluoranthene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno(1,2,3-c,d)pyrene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0078	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorobiphenyl	91	46 - 113				
Pyrene-d10	96	45 - 114				
Terphenyl-d14	100	49 - 121				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

PAHs EPA 8270E/SIM

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-08-3					
Laboratory ID:	06-338-08					
Naphthalene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
2-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthylene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Fluorene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Phenanthrene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Fluoranthene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]anthracene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[b]fluoranthene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno(1,2,3-c,d)pyrene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0077	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorobiphenyl	92	46 - 113				
Pyrene-d10	98	45 - 114				
Terphenyl-d14	101	49 - 121				



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PAHs EPA 8270E/SIM

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-10-3					
Laboratory ID:	06-338-10					
Naphthalene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
2-Methylnaphthalene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthylene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Fluorene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Phenanthrene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Fluoranthene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]anthracene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[b]fluoranthene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno(1,2,3-c,d)pyrene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0076	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorobiphenyl	90	46 - 113				
Pyrene-d10	98	45 - 114				
Terphenyl-d14	101	49 - 121				



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 Samples Submitted: June 30, 2020
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PAHs EPA 8270E/SIM

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-07-1					
Laboratory ID:	06-338-14					
Naphthalene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
2-Methylnaphthalene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthylene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Fluorene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Phenanthrene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Fluoranthene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]anthracene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[b]fluoranthene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno(1,2,3-c,d)pyrene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0091	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorobiphenyl	81	46 - 113				
Pyrene-d10	93	45 - 114				
Terphenyl-d14	95	49 - 121				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
Aroclor 1016	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1221	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1232	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1242	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1248	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1254	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1260	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	102	46-125				
Client ID:	Fill-03-3					
Laboratory ID:	06-338-02					
Aroclor 1016	ND	0.054	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.054	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.054	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.054	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.054	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.054	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.054	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	87	46-125				
Client ID:	Fill-02-3					
Laboratory ID:	06-338-03					
Aroclor 1016	ND	0.056	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.056	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.056	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.056	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.056	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.056	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.056	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	104	46-125				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-01-3					
Laboratory ID:	06-338-04					
Aroclor 1016	ND	0.052	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.052	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.052	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.052	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.052	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.052	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.052	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	91	46-125				
Client ID:	Fill-04-3					
Laboratory ID:	06-338-05					
Aroclor 1016	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.057	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	95	46-125				
Client ID:	Fill-05-3					
Laboratory ID:	06-338-06					
Aroclor 1016	ND	0.059	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.059	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.059	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.059	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.059	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.059	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.059	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	85	46-125				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-06-3					
Laboratory ID:	06-338-07					
Aroclor 1016	ND	0.060	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.060	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.060	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.060	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.060	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.060	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.060	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	88	46-125				
Client ID:	Fill-08-3					
Laboratory ID:	06-338-08					
Aroclor 1016	ND	0.058	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.058	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.058	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.058	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.058	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.058	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.058	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	87	46-125				
Client ID:	Fill-09-3					
Laboratory ID:	06-338-09					
Aroclor 1016	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.057	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	81	46-125				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-10-3					
Laboratory ID:	06-338-10					
Aroclor 1016	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.057	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.057	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	89	46-125				
Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
Aroclor 1016	ND	0.055	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.055	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.055	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.055	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.055	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.055	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.055	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	96	46-125				
Client ID:	STP-09-2					
Laboratory ID:	06-338-12					
Aroclor 1016	ND	0.066	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.066	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.066	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.066	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.066	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.066	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.066	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	94	46-125				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-07-1					
Laboratory ID:	06-338-14					
Aroclor 1016	ND	0.068	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.068	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.068	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.068	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.068	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.068	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.068	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	87	46-125				

Client ID:	Dup-1-200629					
Laboratory ID:	06-338-15					
Aroclor 1016	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1221	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1232	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1242	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1248	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1254	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1260	ND	0.061	EPA 8082A	7-1-20	7-8-20	X
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	102	46-125				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
alpha-BHC	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
gamma-BHC	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
beta-BHC	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
delta-BHC	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
Heptachlor	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
Aldrin	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
Heptachlor Epoxide	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
gamma-Chlordane	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
alpha-Chlordane	ND	12	EPA 8081B	7-1-20	7-8-20	X
4,4'-DDE	59	12	EPA 8081B	7-1-20	7-8-20	X
Endosulfan I	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
Dieldrin	ND	12	EPA 8081B	7-1-20	7-8-20	X
Endrin	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
4,4'-DDD	ND	12	EPA 8081B	7-1-20	7-8-20	X
Endosulfan II	ND	12	EPA 8081B	7-1-20	7-8-20	X
4,4'-DDT	ND	12	EPA 8081B	7-1-20	7-8-20	X
Endrin Aldehyde	ND	12	EPA 8081B	7-1-20	7-8-20	X
Methoxychlor	ND	12	EPA 8081B	7-1-20	7-8-20	X
Endosulfan Sulfate	ND	12	EPA 8081B	7-1-20	7-8-20	X
Endrin Ketone	ND	12	EPA 8081B	7-1-20	7-8-20	X
Toxaphene	ND	61	EPA 8081B	7-1-20	7-8-20	X
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	75	33-97				
DCB	80	36-115				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-03-3					
Laboratory ID:	06-338-02					
alpha-BHC	ND	5.4	EPA 8081B	7-1-20	7-2-20	
gamma-BHC	ND	5.4	EPA 8081B	7-1-20	7-2-20	
beta-BHC	ND	5.4	EPA 8081B	7-1-20	7-2-20	
delta-BHC	ND	5.4	EPA 8081B	7-1-20	7-2-20	
Heptachlor	ND	5.4	EPA 8081B	7-1-20	7-2-20	
Aldrin	ND	5.4	EPA 8081B	7-1-20	7-2-20	
Heptachlor Epoxide	ND	5.4	EPA 8081B	7-1-20	7-2-20	
gamma-Chlordane	ND	5.4	EPA 8081B	7-1-20	7-2-20	
alpha-Chlordane	ND	11	EPA 8081B	7-1-20	7-2-20	
4,4'-DDE	ND	11	EPA 8081B	7-1-20	7-2-20	
Endosulfan I	ND	5.4	EPA 8081B	7-1-20	7-2-20	
Dieldrin	ND	11	EPA 8081B	7-1-20	7-2-20	
Endrin	ND	5.4	EPA 8081B	7-1-20	7-2-20	
4,4'-DDD	ND	11	EPA 8081B	7-1-20	7-2-20	
Endosulfan II	ND	11	EPA 8081B	7-1-20	7-2-20	
4,4'-DDT	ND	11	EPA 8081B	7-1-20	7-2-20	
Endrin Aldehyde	ND	11	EPA 8081B	7-1-20	7-2-20	
Methoxychlor	ND	11	EPA 8081B	7-1-20	7-2-20	
Endosulfan Sulfate	ND	11	EPA 8081B	7-1-20	7-2-20	
Endrin Ketone	ND	11	EPA 8081B	7-1-20	7-2-20	
Toxaphene	ND	54	EPA 8081B	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	78	33-97				
DCB	90	36-115				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-06-3					
Laboratory ID:	06-338-07					
alpha-BHC	ND	6.0	EPA 8081B	7-1-20	7-2-20	
gamma-BHC	ND	6.0	EPA 8081B	7-1-20	7-2-20	
beta-BHC	ND	6.0	EPA 8081B	7-1-20	7-2-20	
delta-BHC	ND	6.0	EPA 8081B	7-1-20	7-2-20	
Heptachlor	ND	6.0	EPA 8081B	7-1-20	7-2-20	
Aldrin	ND	6.0	EPA 8081B	7-1-20	7-2-20	
Heptachlor Epoxide	ND	6.0	EPA 8081B	7-1-20	7-2-20	
gamma-Chlordane	ND	6.0	EPA 8081B	7-1-20	7-2-20	
alpha-Chlordane	ND	12	EPA 8081B	7-1-20	7-2-20	
4,4'-DDE	ND	12	EPA 8081B	7-1-20	7-2-20	
Endosulfan I	ND	6.0	EPA 8081B	7-1-20	7-2-20	
Dieldrin	ND	12	EPA 8081B	7-1-20	7-2-20	
Endrin	ND	6.0	EPA 8081B	7-1-20	7-2-20	
4,4'-DDD	ND	12	EPA 8081B	7-1-20	7-2-20	
Endosulfan II	ND	12	EPA 8081B	7-1-20	7-2-20	
4,4'-DDT	ND	12	EPA 8081B	7-1-20	7-2-20	
Endrin Aldehyde	ND	12	EPA 8081B	7-1-20	7-2-20	
Methoxychlor	ND	12	EPA 8081B	7-1-20	7-2-20	
Endosulfan Sulfate	ND	12	EPA 8081B	7-1-20	7-2-20	
Endrin Ketone	ND	12	EPA 8081B	7-1-20	7-2-20	
Toxaphene	ND	60	EPA 8081B	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	76	33-97				
DCB	95	36-115				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-09-3					
Laboratory ID:	06-338-09					
alpha-BHC	ND	5.7	EPA 8081B	7-1-20	7-2-20	
gamma-BHC	ND	5.7	EPA 8081B	7-1-20	7-2-20	
beta-BHC	ND	5.7	EPA 8081B	7-1-20	7-2-20	
delta-BHC	ND	5.7	EPA 8081B	7-1-20	7-2-20	
Heptachlor	ND	5.7	EPA 8081B	7-1-20	7-2-20	
Aldrin	ND	5.7	EPA 8081B	7-1-20	7-2-20	
Heptachlor Epoxide	ND	5.7	EPA 8081B	7-1-20	7-2-20	
gamma-Chlordane	ND	5.7	EPA 8081B	7-1-20	7-2-20	
alpha-Chlordane	ND	11	EPA 8081B	7-1-20	7-2-20	
4,4'-DDE	ND	11	EPA 8081B	7-1-20	7-2-20	
Endosulfan I	ND	5.7	EPA 8081B	7-1-20	7-2-20	
Dieldrin	ND	11	EPA 8081B	7-1-20	7-2-20	
Endrin	ND	5.7	EPA 8081B	7-1-20	7-2-20	
4,4'-DDD	ND	11	EPA 8081B	7-1-20	7-2-20	
Endosulfan II	ND	11	EPA 8081B	7-1-20	7-2-20	
4,4'-DDT	ND	11	EPA 8081B	7-1-20	7-2-20	
Endrin Aldehyde	ND	11	EPA 8081B	7-1-20	7-2-20	
Methoxychlor	ND	11	EPA 8081B	7-1-20	7-2-20	
Endosulfan Sulfate	ND	11	EPA 8081B	7-1-20	7-2-20	
Endrin Ketone	ND	11	EPA 8081B	7-1-20	7-2-20	
Toxaphene	ND	57	EPA 8081B	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	78	33-97				
DCB	91	36-115				



Date of Report: July 13, 2020
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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
alpha-BHC	ND	5.5	EPA 8081B	7-1-20	7-8-20	
gamma-BHC	ND	5.5	EPA 8081B	7-1-20	7-8-20	
beta-BHC	ND	5.5	EPA 8081B	7-1-20	7-8-20	
delta-BHC	ND	5.5	EPA 8081B	7-1-20	7-8-20	
Heptachlor	ND	5.5	EPA 8081B	7-1-20	7-8-20	
Aldrin	ND	5.5	EPA 8081B	7-1-20	7-8-20	
Heptachlor Epoxide	ND	5.5	EPA 8081B	7-1-20	7-8-20	
gamma-Chlordane	10	5.5	EPA 8081B	7-1-20	7-8-20	
alpha-Chlordane	ND	11	EPA 8081B	7-1-20	7-8-20	
4,4'-DDE	ND	11	EPA 8081B	7-1-20	7-8-20	
Endosulfan I	ND	5.5	EPA 8081B	7-1-20	7-8-20	
Dieldrin	ND	11	EPA 8081B	7-1-20	7-8-20	
Endrin	ND	5.5	EPA 8081B	7-1-20	7-8-20	
4,4'-DDD	ND	11	EPA 8081B	7-1-20	7-8-20	
Endosulfan II	ND	11	EPA 8081B	7-1-20	7-8-20	
4,4'-DDT	ND	11	EPA 8081B	7-1-20	7-8-20	
Endrin Aldehyde	ND	11	EPA 8081B	7-1-20	7-8-20	
Methoxychlor	ND	11	EPA 8081B	7-1-20	7-8-20	
Endosulfan Sulfate	ND	11	EPA 8081B	7-1-20	7-8-20	
Endrin Ketone	ND	11	EPA 8081B	7-1-20	7-8-20	
Toxaphene	ND	55	EPA 8081B	7-1-20	7-8-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	69	33-97				
DCB	67	36-115				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-09-2					
Laboratory ID:	06-338-12					
alpha-BHC	ND	6.6	EPA 8081B	7-1-20	7-8-20	
gamma-BHC	ND	6.6	EPA 8081B	7-1-20	7-8-20	
beta-BHC	ND	6.6	EPA 8081B	7-1-20	7-8-20	
delta-BHC	ND	6.6	EPA 8081B	7-1-20	7-8-20	
Heptachlor	ND	6.6	EPA 8081B	7-1-20	7-8-20	
Aldrin	ND	6.6	EPA 8081B	7-1-20	7-8-20	
Heptachlor Epoxide	ND	6.6	EPA 8081B	7-1-20	7-8-20	
gamma-Chlordane	ND	6.6	EPA 8081B	7-1-20	7-8-20	
alpha-Chlordane	ND	13	EPA 8081B	7-1-20	7-8-20	
4,4'-DDE	ND	13	EPA 8081B	7-1-20	7-8-20	
Endosulfan I	ND	6.6	EPA 8081B	7-1-20	7-8-20	
Dieldrin	ND	13	EPA 8081B	7-1-20	7-8-20	
Endrin	ND	6.6	EPA 8081B	7-1-20	7-8-20	
4,4'-DDD	ND	13	EPA 8081B	7-1-20	7-8-20	
Endosulfan II	ND	13	EPA 8081B	7-1-20	7-8-20	
4,4'-DDT	ND	13	EPA 8081B	7-1-20	7-8-20	
Endrin Aldehyde	ND	13	EPA 8081B	7-1-20	7-8-20	
Methoxychlor	ND	13	EPA 8081B	7-1-20	7-8-20	
Endosulfan Sulfate	ND	13	EPA 8081B	7-1-20	7-8-20	
Endrin Ketone	ND	13	EPA 8081B	7-1-20	7-8-20	
Toxaphene	ND	66	EPA 8081B	7-1-20	7-8-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	70	33-97				
DCB	75	36-115				



Date of Report: July 13, 2020
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 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Dup-1-200629					
Laboratory ID:	06-338-15					
alpha-BHC	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
gamma-BHC	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
beta-BHC	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
delta-BHC	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
Heptachlor	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
Aldrin	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
Heptachlor Epoxide	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
gamma-Chlordane	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
alpha-Chlordane	ND	12	EPA 8081B	7-1-20	7-8-20	X
4,4'-DDE	31	12	EPA 8081B	7-1-20	7-8-20	X
Endosulfan I	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
Dieldrin	ND	12	EPA 8081B	7-1-20	7-8-20	X
Endrin	ND	6.1	EPA 8081B	7-1-20	7-8-20	X
4,4'-DDD	ND	12	EPA 8081B	7-1-20	7-8-20	X
Endosulfan II	ND	12	EPA 8081B	7-1-20	7-8-20	X
4,4'-DDT	ND	12	EPA 8081B	7-1-20	7-8-20	X
Endrin Aldehyde	ND	12	EPA 8081B	7-1-20	7-8-20	X
Methoxychlor	ND	12	EPA 8081B	7-1-20	7-8-20	X
Endosulfan Sulfate	ND	12	EPA 8081B	7-1-20	7-8-20	X
Endrin Ketone	ND	12	EPA 8081B	7-1-20	7-8-20	X
Toxaphene	ND	61	EPA 8081B	7-1-20	7-8-20	X
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	65	33-97				
DCB	75	36-115				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
Dalapon	ND	220	EPA 8151A	7-3-20	7-9-20	X
Dicamba	ND	11	EPA 8151A	7-3-20	7-9-20	X
MCPD	ND	1100	EPA 8151A	7-3-20	7-9-20	X
MCPA	ND	2800	EPA 8151A	7-3-20	7-9-20	X
Dichlorprop	ND	86	EPA 8151A	7-3-20	7-9-20	X
2,4-D	ND	11	EPA 8151A	7-3-20	7-9-20	X
Pentachlorophenol	54	5.8	EPA 8151A	7-3-20	7-9-20	X
2,4,5-TP (Silvex)	ND	12	EPA 8151A	7-3-20	7-9-20	X
2,4,5-T	ND	12	EPA 8151A	7-3-20	7-9-20	X
2,4-DB	ND	11	EPA 8151A	7-3-20	7-9-20	X
Dinoseb	ND	11	EPA 8151A	7-3-20	7-9-20	X
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	111	18-119				
Client ID:	Fill-03-3					
Laboratory ID:	06-338-02					
Dalapon	ND	200	EPA 8151A	7-3-20	7-3-20	
Dicamba	ND	10	EPA 8151A	7-3-20	7-3-20	
MCPD	ND	1000	EPA 8151A	7-3-20	7-3-20	
MCPA	ND	2500	EPA 8151A	7-3-20	7-3-20	
Dichlorprop	ND	77	EPA 8151A	7-3-20	7-3-20	
2,4-D	ND	10	EPA 8151A	7-3-20	7-3-20	
Pentachlorophenol	ND	5.1	EPA 8151A	7-3-20	7-3-20	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	7-3-20	7-3-20	
2,4,5-T	ND	10	EPA 8151A	7-3-20	7-3-20	
2,4-DB	ND	10	EPA 8151A	7-3-20	7-3-20	
Dinoseb	ND	10	EPA 8151A	7-3-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	57	18-119				



Date of Report: July 13, 2020
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 Project: 6694-002-03

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-06-3					
Laboratory ID:	06-338-07					
Dalapon	ND	220	EPA 8151A	7-3-20	7-3-20	
Dicamba	ND	11	EPA 8151A	7-3-20	7-3-20	
MCPD	ND	1100	EPA 8151A	7-3-20	7-3-20	
MCPA	ND	2800	EPA 8151A	7-3-20	7-3-20	
Dichlorprop	ND	84	EPA 8151A	7-3-20	7-3-20	
2,4-D	ND	11	EPA 8151A	7-3-20	7-3-20	
Pentachlorophenol	ND	5.7	EPA 8151A	7-3-20	7-3-20	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	7-3-20	7-3-20	
2,4,5-T	ND	11	EPA 8151A	7-3-20	7-3-20	
2,4-DB	ND	11	EPA 8151A	7-3-20	7-3-20	
Dinoseb	ND	11	EPA 8151A	7-3-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	78	18-119				
Client ID:	Fill-09-3					
Laboratory ID:	06-338-09					
Dalapon	ND	210	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	11	EPA 8151A	7-3-20	7-7-20	
MCPD	ND	1100	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	2700	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	81	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	11	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	ND	5.5	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	11	EPA 8151A	7-3-20	7-7-20	
2,4-DB	ND	11	EPA 8151A	7-3-20	7-7-20	
Dinoseb	ND	11	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	97	18-119				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
Dalapon	ND	200	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	10	EPA 8151A	7-3-20	7-7-20	
MCPD	ND	1000	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	2600	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	78	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	10	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	ND	5.2	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	10	EPA 8151A	7-3-20	7-7-20	
2,4-DB	16	10	EPA 8151A	7-3-20	7-7-20	P
Dinoseb	ND	10	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	47	18-119				
Client ID:	STP-09-2					
Laboratory ID:	06-338-12					
Dalapon	ND	240	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	12	EPA 8151A	7-3-20	7-7-20	
MCPD	ND	1200	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	3100	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	93	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	12	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	ND	6.3	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	13	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	13	EPA 8151A	7-3-20	7-7-20	
2,4-DB	ND	13	EPA 8151A	7-3-20	7-7-20	
Dinoseb	ND	12	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	55	18-119				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Dup-1-200629					
Laboratory ID:	06-338-15					
Dalapon	ND	220	EPA 8151A	7-3-20	7-9-20	X
Dicamba	ND	11	EPA 8151A	7-3-20	7-9-20	X
MCPD	ND	1100	EPA 8151A	7-3-20	7-9-20	X
MCPA	ND	2800	EPA 8151A	7-3-20	7-9-20	X
Dichlorprop	ND	86	EPA 8151A	7-3-20	7-9-20	X
2,4-D	ND	11	EPA 8151A	7-3-20	7-9-20	X
Pentachlorophenol	66	5.8	EPA 8151A	7-3-20	7-9-20	X
2,4,5-TP (Silvex)	ND	12	EPA 8151A	7-3-20	7-9-20	X
2,4,5-T	ND	12	EPA 8151A	7-3-20	7-9-20	X
2,4-DB	ND	12	EPA 8151A	7-3-20	7-9-20	X
Dinoseb	ND	11	EPA 8151A	7-3-20	7-9-20	X
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	83	18-119				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
Arsenic	12	12	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.61	EPA 6010D	7-1-20	7-1-20	
Chromium	23	0.61	EPA 6010D	7-1-20	7-1-20	
Copper	65	1.2	EPA 6010D	7-1-20	7-1-20	
Lead	130	6.1	EPA 6010D	7-1-20	7-1-20	
Mercury	0.22	0.030	EPA 7471B	7-2-20	7-2-20	
Nickel	31	3.0	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.76	EPA 6020B	7-1-20	7-10-20	
Zinc	230	3.0	EPA 6010D	7-1-20	7-1-20	

Client ID:	Fill-03-3					
Laboratory ID:	06-338-02					
Arsenic	ND	11	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.54	EPA 6010D	7-1-20	7-1-20	
Chromium	19	0.54	EPA 6010D	7-1-20	7-1-20	
Copper	9.3	1.1	EPA 6010D	7-1-20	7-1-20	
Lead	ND	5.4	EPA 6010D	7-1-20	7-1-20	
Mercury	ND	0.027	EPA 7471B	7-2-20	7-2-20	
Nickel	32	2.7	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.68	EPA 6020B	7-1-20	7-10-20	
Zinc	24	2.7	EPA 6010D	7-1-20	7-1-20	

Client ID:	Fill-02-3					
Laboratory ID:	06-338-03					
Arsenic	ND	11	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.56	EPA 6010D	7-1-20	7-1-20	
Chromium	22	0.56	EPA 6010D	7-1-20	7-1-20	
Copper	12	1.1	EPA 6010D	7-1-20	7-1-20	
Lead	ND	5.6	EPA 6010D	7-1-20	7-1-20	
Mercury	ND	0.028	EPA 7471B	7-2-20	7-2-20	
Nickel	40	2.8	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.70	EPA 6020B	7-1-20	7-10-20	
Zinc	25	2.8	EPA 6010D	7-1-20	7-1-20	



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-01-3					
Laboratory ID:	06-338-04					
Arsenic	ND	10	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.52	EPA 6010D	7-1-20	7-1-20	
Chromium	24	0.52	EPA 6010D	7-1-20	7-1-20	
Copper	11	1.0	EPA 6010D	7-1-20	7-1-20	
Lead	ND	5.2	EPA 6010D	7-1-20	7-1-20	
Mercury	ND	0.026	EPA 7471B	7-2-20	7-2-20	
Nickel	36	2.6	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.65	EPA 6020B	7-1-20	7-10-20	
Zinc	19	2.6	EPA 6010D	7-1-20	7-1-20	

Client ID:	Fill-04-3					
Laboratory ID:	06-338-05					
Arsenic	ND	11	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.57	EPA 6010D	7-1-20	7-1-20	
Chromium	21	0.57	EPA 6010D	7-1-20	7-1-20	
Copper	8.5	1.1	EPA 6010D	7-1-20	7-1-20	
Lead	ND	5.7	EPA 6010D	7-1-20	7-1-20	
Mercury	ND	0.028	EPA 7471B	7-2-20	7-2-20	
Nickel	38	2.8	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.71	EPA 6020B	7-1-20	7-10-20	
Zinc	22	2.8	EPA 6010D	7-1-20	7-1-20	

Client ID:	Fill-05-3					
Laboratory ID:	06-338-06					
Arsenic	ND	12	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.59	EPA 6010D	7-1-20	7-1-20	
Chromium	18	0.59	EPA 6010D	7-1-20	7-1-20	
Copper	7.8	1.2	EPA 6010D	7-1-20	7-1-20	
Lead	ND	5.9	EPA 6010D	7-1-20	7-1-20	
Mercury	ND	0.029	EPA 7471B	7-2-20	7-2-20	
Nickel	29	2.9	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.73	EPA 6020B	7-1-20	7-10-20	
Zinc	19	2.9	EPA 6010D	7-1-20	7-1-20	



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-06-3					
Laboratory ID:	06-338-07					
Arsenic	ND	12	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.60	EPA 6010D	7-1-20	7-1-20	
Chromium	22	0.60	EPA 6010D	7-1-20	7-1-20	
Copper	9.4	1.2	EPA 6010D	7-1-20	7-1-20	
Lead	ND	6.0	EPA 6010D	7-1-20	7-1-20	
Mercury	ND	0.030	EPA 7471B	7-2-20	7-2-20	
Nickel	36	3.0	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.75	EPA 6020B	7-1-20	7-10-20	
Zinc	25	3.0	EPA 6010D	7-1-20	7-1-20	

Client ID:	Fill-08-3					
Laboratory ID:	06-338-08					
Arsenic	ND	12	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.58	EPA 6010D	7-1-20	7-1-20	
Chromium	24	0.58	EPA 6010D	7-1-20	7-1-20	
Copper	8.7	1.2	EPA 6010D	7-1-20	7-1-20	
Lead	ND	5.8	EPA 6010D	7-1-20	7-1-20	
Mercury	ND	0.029	EPA 7471B	7-2-20	7-2-20	
Nickel	40	2.9	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.72	EPA 6020B	7-1-20	7-10-20	
Zinc	27	2.9	EPA 6010D	7-1-20	7-1-20	

Client ID:	Fill-09-3					
Laboratory ID:	06-338-09					
Arsenic	ND	11	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.57	EPA 6010D	7-1-20	7-1-20	
Chromium	26	0.57	EPA 6010D	7-1-20	7-1-20	
Copper	12	1.1	EPA 6010D	7-1-20	7-1-20	
Lead	ND	5.7	EPA 6010D	7-1-20	7-1-20	
Mercury	ND	0.029	EPA 7471B	7-2-20	7-2-20	
Nickel	47	2.9	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.72	EPA 6020B	7-1-20	7-10-20	
Zinc	31	2.9	EPA 6010D	7-1-20	7-1-20	



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-10-3					
Laboratory ID:	06-338-10					
Arsenic	ND	11	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.57	EPA 6010D	7-1-20	7-1-20	
Chromium	19	0.57	EPA 6010D	7-1-20	7-1-20	
Copper	8.7	1.1	EPA 6010D	7-1-20	7-1-20	
Lead	ND	5.7	EPA 6010D	7-1-20	7-1-20	
Mercury	ND	0.029	EPA 7471B	7-2-20	7-2-20	
Nickel	39	2.9	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.72	EPA 6020B	7-1-20	7-10-20	
Zinc	23	2.9	EPA 6010D	7-1-20	7-1-20	

Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
Arsenic	ND	11	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.55	EPA 6010D	7-1-20	7-1-20	
Chromium	27	0.55	EPA 6010D	7-1-20	7-1-20	
Copper	35	1.1	EPA 6010D	7-1-20	7-1-20	
Lead	200	5.5	EPA 6010D	7-1-20	7-1-20	
Mercury	0.096	0.028	EPA 7471B	7-2-20	7-2-20	
Nickel	38	2.8	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.69	EPA 6020B	7-1-20	7-10-20	
Zinc	160	2.8	EPA 6010D	7-1-20	7-1-20	

Client ID:	STP-09-2					
Laboratory ID:	06-338-12					
Arsenic	ND	13	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.66	EPA 6010D	7-1-20	7-1-20	
Chromium	24	0.66	EPA 6010D	7-1-20	7-1-20	
Copper	15	1.3	EPA 6010D	7-1-20	7-1-20	
Lead	79	6.6	EPA 6010D	7-1-20	7-1-20	
Mercury	0.13	0.033	EPA 7471B	7-2-20	7-2-20	
Nickel	31	3.3	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.83	EPA 6020B	7-1-20	7-10-20	
Zinc	150	3.3	EPA 6010D	7-1-20	7-1-20	



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Fill-07-1					
Laboratory ID:	06-338-14					
Arsenic	ND	14	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.68	EPA 6010D	7-1-20	7-1-20	
Chromium	23	0.68	EPA 6010D	7-1-20	7-1-20	
Copper	7.2	1.4	EPA 6010D	7-1-20	7-1-20	
Lead	ND	6.8	EPA 6010D	7-1-20	7-1-20	
Mercury	ND	0.034	EPA 7471B	7-2-20	7-2-20	
Nickel	33	3.4	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.85	EPA 6020B	7-1-20	7-10-20	
Zinc	32	3.4	EPA 6010D	7-1-20	7-1-20	

Client ID:	Dup-1-200629					
Laboratory ID:	06-338-15					
Arsenic	13	12	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.61	EPA 6010D	7-1-20	7-1-20	
Chromium	27	0.61	EPA 6010D	7-1-20	7-1-20	
Copper	51	1.2	EPA 6010D	7-1-20	7-1-20	
Lead	130	6.1	EPA 6010D	7-1-20	7-1-20	
Mercury	0.15	0.030	EPA 7471B	7-2-20	7-2-20	
Nickel	32	3.0	EPA 6010D	7-1-20	7-1-20	
Selenium	ND	0.76	EPA 6020B	7-1-20	7-10-20	
Zinc	320	3.0	EPA 6010D	7-1-20	7-1-20	



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**GASOLINE RANGE ORGANICS/BTEX
 NWTPH-Gx/EPA 8021B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S3					
Benzene	ND	0.020	EPA 8021B	7-1-20	7-1-20	
Toluene	ND	0.050	EPA 8021B	7-1-20	7-1-20	
Ethyl Benzene	ND	0.050	EPA 8021B	7-1-20	7-1-20	
m,p-Xylene	ND	0.050	EPA 8021B	7-1-20	7-1-20	
o-Xylene	ND	0.050	EPA 8021B	7-1-20	7-1-20	
Gasoline	ND	5.0	NWTPH-Gx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	58-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-337-02							
	ORIG	DUP						
Benzene	ND	ND	NA	NA	NA	NA	30	
Toluene	0.154	0.157	NA	NA	NA	2	30	
Ethyl Benzene	ND	ND	NA	NA	NA	NA	30	
m,p-Xylene	ND	ND	NA	NA	NA	NA	30	
o-Xylene	ND	ND	NA	NA	NA	NA	30	
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				98	100	58-129		

SPIKE BLANKS

Laboratory ID:	SB0701S1							
	SB	SBD	SB	SBD	SB	SBD		
Benzene	0.934	0.952	1.00	1.00	93	95	68-112	2 10
Toluene	0.977	0.993	1.00	1.00	98	99	70-114	2 10
Ethyl Benzene	1.00	1.02	1.00	1.00	100	102	70-115	2 10
m,p-Xylene	1.01	1.02	1.00	1.00	101	102	69-117	1 11
o-Xylene	1.01	1.02	1.00	1.00	101	102	71-115	1 11
<i>Surrogate:</i>								
<i>Fluorobenzene</i>					93	93	58-129	



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S1					
Diesel Range Organics	ND	25	NWTPH-Dx	7-1-20	7-1-20	
Lube Oil Range Organics	ND	50	NWTPH-Dx	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-338-02							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				88	83	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.010	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	



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 Project: 6694-002-03

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0020	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0702S2					
Dichlorodifluoromethane	ND	0.0015	EPA 8260D	7-2-20	7-2-20	
Chloromethane	ND	0.0078	EPA 8260D	7-2-20	7-2-20	
Vinyl Chloride	ND	0.0014	EPA 8260D	7-2-20	7-2-20	
Bromomethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Chloroethane	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Acetone	ND	0.010	EPA 8260D	7-2-20	7-2-20	
Iodomethane	ND	0.0071	EPA 8260D	7-2-20	7-2-20	
Carbon Disulfide	ND	0.0013	EPA 8260D	7-2-20	7-2-20	
Methylene Chloride	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Vinyl Acetate	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
2-Butanone	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Bromochloromethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Chloroform	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Benzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Trichloroethene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Dibromomethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Bromodichloromethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Toluene	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0702S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Tetrachloroethene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
2-Hexanone	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Dibromochloromethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Chlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Ethylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
m,p-Xylene	ND	0.0020	EPA 8260D	7-2-20	7-2-20	
o-Xylene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Styrene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Bromoform	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Isopropylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Bromobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
n-Propylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
2-Chlorotoluene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
4-Chlorotoluene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
tert-Butylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
sec-Butylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
n-Butylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Naphthalene	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0701S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0446	0.0417	0.0500	0.0500	89	83	55-126	7	17	
Benzene	0.0460	0.0441	0.0500	0.0500	92	88	65-121	4	16	
Trichloroethene	0.0478	0.0464	0.0500	0.0500	96	93	74-126	3	16	
Toluene	0.0446	0.0440	0.0500	0.0500	89	88	71-121	1	16	
Chlorobenzene	0.0493	0.0481	0.0500	0.0500	99	96	72-123	2	15	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					102	103	74-131			
<i>Toluene-d8</i>					101	101	78-128			
<i>4-Bromofluorobenzene</i>					103	104	71-130			
Laboratory ID:	SB0702S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0405	0.0427	0.0500	0.0500	81	85	55-126	5	17	
Benzene	0.0426	0.0441	0.0500	0.0500	85	88	65-121	3	16	
Trichloroethene	0.0433	0.0450	0.0500	0.0500	87	90	74-126	4	16	
Toluene	0.0415	0.0433	0.0500	0.0500	83	87	71-121	4	16	
Chlorobenzene	0.0451	0.0464	0.0500	0.0500	90	93	72-123	3	15	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					102	102	74-131			
<i>Toluene-d8</i>					103	102	78-128			
<i>4-Bromofluorobenzene</i>					102	102	71-130			



Date of Report: July 13, 2020
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 Project: 6694-002-03

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Pyridine	ND	0.33	EPA 8270E	7-1-20	7-1-20	
Phenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Aniline	ND	0.17	EPA 8270E	7-1-20	7-1-20	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Chlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Benzyl alcohol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	7-1-20	7-1-20	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	7-1-20	7-1-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	7-1-20	7-1-20	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Hexachloroethane	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Nitrobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Isophorone	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Nitrophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Naphthalene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
4-Chloroaniline	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Hexachlorocyclopentadiene	ND	0.066	EPA 8270E	7-1-20	7-1-20	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Chloronaphthalene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Nitroaniline	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Dimethylphthalate	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
3-Nitroaniline	ND	0.033	EPA 8270E	7-1-20	7-1-20	



Date of Report: July 13, 2020
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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S1					
2,4-Dinitrophenol	ND	0.37	EPA 8270E	7-1-20	7-1-20	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
4-Nitrophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Dibenzofuran	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Diethylphthalate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	7-1-20	7-1-20	
4-Nitroaniline	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Fluorene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
4,6-Dinitro-2-methylphenol	ND	0.29	EPA 8270E	7-1-20	7-1-20	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	7-1-20	7-1-20	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Hexachlorobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Pentachlorophenol	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Carbazole	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Di-n-butylphthalate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Butylbenzylphthalate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Di-n-octylphthalate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	78	22 - 109				
Phenol-d6	88	36 - 110				
Nitrobenzene-d5	89	31 - 109				
2-Fluorobiphenyl	83	45 - 107				
2,4,6-Tribromophenol	79	43 - 124				
Terphenyl-d14	78	52 - 118				



Date of Report: July 13, 2020
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 Laboratory Reference: 2006-338
 Project: 6694-002-03

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0707S2					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Pyridine	ND	0.33	EPA 8270E	7-7-20	7-7-20	
Phenol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Aniline	ND	0.17	EPA 8270E	7-7-20	7-7-20	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2-Chlorophenol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Benzyl alcohol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	7-7-20	7-7-20	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	7-7-20	7-7-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	7-7-20	7-7-20	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Hexachloroethane	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Nitrobenzene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Isophorone	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2-Nitrophenol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Naphthalene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
4-Chloroaniline	ND	0.17	EPA 8270E	7-7-20	7-7-20	
Hexachlorobutadiene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2-Chloronaphthalene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2-Nitroaniline	ND	0.033	EPA 8270E	7-7-20	7-7-20	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Dimethylphthalate	ND	0.033	EPA 8270E	7-7-20	7-7-20	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
3-Nitroaniline	ND	0.033	EPA 8270E	7-7-20	7-7-20	



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0707S2					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	7-7-20	7-7-20	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
4-Nitrophenol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Dibenzofuran	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Diethylphthalate	ND	0.17	EPA 8270E	7-7-20	7-7-20	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	7-7-20	7-7-20	
4-Nitroaniline	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Fluorene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270E	7-7-20	7-7-20	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	7-7-20	7-7-20	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	7-7-20	7-7-20	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Hexachlorobenzene	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Pentachlorophenol	ND	0.17	EPA 8270E	7-7-20	7-7-20	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
Anthracene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
Carbazole	ND	0.033	EPA 8270E	7-7-20	7-7-20	
Di-n-butylphthalate	ND	0.17	EPA 8270E	7-7-20	7-7-20	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
Pyrene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
Butylbenzylphthalate	ND	0.17	EPA 8270E	7-7-20	7-7-20	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	7-7-20	7-7-20	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	7-7-20	7-7-20	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
Chrysene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	7-7-20	7-7-20	
Di-n-octylphthalate	ND	0.17	EPA 8270E	7-7-20	7-7-20	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	7-7-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	74	22 - 109				
Phenol-d6	86	36 - 110				
Nitrobenzene-d5	84	31 - 109				
2-Fluorobiphenyl	73	45 - 107				
2,4,6-Tribromophenol	84	43 - 124				
Terphenyl-d14	78	52 - 118				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	06-338-07										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.813	0.767	1.33	1.33	ND	61	58	30 - 108	6	37	
2-Chlorophenol	0.784	0.761	1.33	1.33	ND	59	57	30 - 113	3	39	
1,4-Dichlorobenzene	0.399	0.372	0.667	0.667	ND	60	56	24 - 116	7	35	
n-Nitroso-di-n-propylamine	0.463	0.445	0.667	0.667	ND	69	67	34 - 112	4	34	
1,2,4-Trichlorobenzene	0.396	0.374	0.667	0.667	ND	59	56	34 - 115	6	38	
4-Chloro-3-methylphenol	0.897	0.895	1.33	1.33	ND	67	67	41 - 117	0	26	
Acenaphthene	0.366	0.352	0.667	0.667	ND	55	53	41 - 111	4	21	
4-Nitrophenol	1.05	1.03	1.33	1.33	ND	79	77	30 - 127	2	32	
2,4-Dinitrotoluene	0.383	0.366	0.667	0.667	ND	57	55	32 - 114	5	30	
Pentachlorophenol	0.816	0.778	1.33	1.33	ND	61	58	36 - 147	5	37	
Pyrene	0.416	0.405	0.667	0.667	ND	62	61	33 - 127	3	33	
<i>Surrogate:</i>											
2-Fluorophenol						67	63	22 - 109			
Phenol-d6						75	72	36 - 110			
Nitrobenzene-d5						74	73	31 - 109			
2-Fluorobiphenyl						65	64	45 - 107			
2,4,6-Tribromophenol						69	69	43 - 124			
Terphenyl-d14						65	63	52 - 118			
Laboratory ID:	07-015-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.817	0.980	1.33	1.33	ND	61	74	30 - 108	18	37	
2-Chlorophenol	0.762	0.975	1.33	1.33	ND	57	73	30 - 113	25	39	
1,4-Dichlorobenzene	0.384	0.485	0.667	0.667	ND	58	73	24 - 116	23	35	
n-Nitroso-di-n-propylamine	0.451	0.554	0.667	0.667	ND	68	83	34 - 112	20	34	
1,2,4-Trichlorobenzene	0.395	0.499	0.667	0.667	ND	59	75	34 - 115	23	38	
4-Chloro-3-methylphenol	0.890	1.11	1.33	1.33	ND	67	83	41 - 117	22	26	
Acenaphthene	0.368	0.451	0.667	0.667	ND	55	68	41 - 111	20	21	
4-Nitrophenol	1.12	1.44	1.33	1.33	ND	84	108	30 - 127	25	32	
2,4-Dinitrotoluene	0.413	0.517	0.667	0.667	ND	62	78	32 - 114	22	30	
Pentachlorophenol	1.01	1.27	1.33	1.33	ND	76	95	36 - 147	23	37	
Pyrene	0.422	0.518	0.667	0.667	ND	63	78	33 - 127	20	33	
<i>Surrogate:</i>											
2-Fluorophenol						64	82	22 - 109			
Phenol-d6						77	90	36 - 110			
Nitrobenzene-d5						72	90	31 - 109			
2-Fluorobiphenyl						66	81	45 - 107			
2,4,6-Tribromophenol						76	94	43 - 124			
Terphenyl-d14						67	82	52 - 118			



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**PAHs EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S2					
Naphthalene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Fluorene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno(1,2,3-c,d)pyrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>92</i>	<i>46 - 113</i>				
<i>Pyrene-d10</i>	<i>94</i>	<i>45 - 114</i>				
<i>Terphenyl-d14</i>	<i>96</i>	<i>49 - 121</i>				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**PAHs EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits		RPD	Limit	
MATRIX SPIKES											
Laboratory ID:	06-338-03										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	0.0799	0.0768	0.0833	0.0833	ND	96	92	51 - 115	4	26	
Acenaphthylene	0.0878	0.0822	0.0833	0.0833	ND	105	99	53 - 121	7	24	
Acenaphthene	0.0868	0.0801	0.0833	0.0833	ND	104	96	52 - 121	8	25	
Fluorene	0.0863	0.0795	0.0833	0.0833	ND	104	95	58 - 127	8	23	
Phenanthrene	0.0856	0.0816	0.0833	0.0833	ND	103	98	46 - 129	5	28	
Anthracene	0.0907	0.0862	0.0833	0.0833	ND	109	103	57 - 124	5	21	
Fluoranthene	0.0891	0.0867	0.0833	0.0833	ND	107	104	46 - 136	3	29	
Pyrene	0.0917	0.0901	0.0833	0.0833	ND	110	108	41 - 136	2	32	
Benzo[a]anthracene	0.0921	0.0925	0.0833	0.0833	ND	111	111	56 - 136	0	25	
Chrysene	0.0871	0.0872	0.0833	0.0833	ND	105	105	49 - 130	0	22	
Benzo[b]fluoranthene	0.0903	0.0890	0.0833	0.0833	ND	108	107	51 - 135	1	26	
Benzo(j,k)fluoranthene	0.0868	0.0871	0.0833	0.0833	ND	104	105	56 - 124	0	23	
Benzo[a]pyrene	0.0916	0.0912	0.0833	0.0833	ND	110	109	54 - 133	0	26	
Indeno(1,2,3-c,d)pyrene	0.0871	0.0858	0.0833	0.0833	ND	105	103	52 - 134	2	20	
Dibenz[a,h]anthracene	0.0858	0.0856	0.0833	0.0833	ND	103	103	58 - 127	0	17	
Benzo[g,h,i]perylene	0.0881	0.0873	0.0833	0.0833	ND	106	105	54 - 129	1	21	
<i>Surrogate:</i>											
2-Fluorobiphenyl						95	87	46 - 113			
Pyrene-d10						98	94	45 - 114			
Terphenyl-d14						103	97	49 - 121			



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S1					
Aroclor 1016	ND	0.050	EPA 8082A	7-1-20	7-1-20	
Aroclor 1221	ND	0.050	EPA 8082A	7-1-20	7-1-20	
Aroclor 1232	ND	0.050	EPA 8082A	7-1-20	7-1-20	
Aroclor 1242	ND	0.050	EPA 8082A	7-1-20	7-1-20	
Aroclor 1248	ND	0.050	EPA 8082A	7-1-20	7-1-20	
Aroclor 1254	ND	0.050	EPA 8082A	7-1-20	7-1-20	
Aroclor 1260	ND	0.050	EPA 8082A	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	107	46-125				

Laboratory ID:	MB0701S1					
Aroclor 1016	ND	0.050	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1221	ND	0.050	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1232	ND	0.050	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1242	ND	0.050	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1248	ND	0.050	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1254	ND	0.050	EPA 8082A	7-1-20	7-8-20	X
Aroclor 1260	ND	0.050	EPA 8082A	7-1-20	7-8-20	X
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	97	46-125				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0701S1									
	SB	SBD	SB	SBD		SB	SBD			
Aroclor 1260	0.490	0.429	0.500	0.500	N/A	98	86	50-134	13	18
<i>Surrogate:</i>										
DCB						111	104	46-125		
Laboratory ID:	SB0701S1									
	SB	SBD	SB	SBD		SB	SBD			
Aroclor 1260	0.493	0.538	0.500	0.500	N/A	99	108	50-134	9	18
<i>Surrogate:</i>										
DCB						106	110	46-125		



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S1					
alpha-BHC	ND	5.0	EPA 8081B	7-1-20	7-2-20	
gamma-BHC	ND	5.0	EPA 8081B	7-1-20	7-2-20	
beta-BHC	ND	5.0	EPA 8081B	7-1-20	7-2-20	
delta-BHC	ND	5.0	EPA 8081B	7-1-20	7-2-20	
Heptachlor	ND	5.0	EPA 8081B	7-1-20	7-2-20	
Aldrin	ND	5.0	EPA 8081B	7-1-20	7-2-20	
Heptachlor Epoxide	ND	5.0	EPA 8081B	7-1-20	7-2-20	
gamma-Chlordane	ND	5.0	EPA 8081B	7-1-20	7-2-20	
alpha-Chlordane	ND	10	EPA 8081B	7-1-20	7-2-20	
4,4'-DDE	ND	10	EPA 8081B	7-1-20	7-2-20	
Endosulfan I	ND	5.0	EPA 8081B	7-1-20	7-2-20	
Dieldrin	ND	10	EPA 8081B	7-1-20	7-2-20	
Endrin	ND	5.0	EPA 8081B	7-1-20	7-2-20	
4,4'-DDD	ND	10	EPA 8081B	7-1-20	7-2-20	
Endosulfan II	ND	10	EPA 8081B	7-1-20	7-2-20	
4,4'-DDT	ND	10	EPA 8081B	7-1-20	7-2-20	
Endrin Aldehyde	ND	10	EPA 8081B	7-1-20	7-2-20	
Methoxychlor	ND	10	EPA 8081B	7-1-20	7-2-20	
Endosulfan Sulfate	ND	10	EPA 8081B	7-1-20	7-2-20	
Endrin Ketone	ND	10	EPA 8081B	7-1-20	7-2-20	
Toxaphene	ND	50	EPA 8081B	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	75	33-97				
DCB	93	36-115				



Date of Report: July 13, 2020
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 Laboratory Reference: 2006-338
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S1					
alpha-BHC	ND	5.0	EPA 8081B	7-1-20	7-8-20	X
gamma-BHC	ND	5.0	EPA 8081B	7-1-20	7-8-20	X
beta-BHC	ND	5.0	EPA 8081B	7-1-20	7-8-20	X
delta-BHC	ND	5.0	EPA 8081B	7-1-20	7-8-20	X
Heptachlor	ND	5.0	EPA 8081B	7-1-20	7-8-20	X
Aldrin	ND	5.0	EPA 8081B	7-1-20	7-8-20	X
Heptachlor Epoxide	ND	5.0	EPA 8081B	7-1-20	7-8-20	X
gamma-Chlordane	ND	5.0	EPA 8081B	7-1-20	7-8-20	X
alpha-Chlordane	ND	10	EPA 8081B	7-1-20	7-8-20	X
4,4'-DDE	ND	10	EPA 8081B	7-1-20	7-8-20	X
Endosulfan I	ND	5.0	EPA 8081B	7-1-20	7-8-20	X
Dieldrin	ND	10	EPA 8081B	7-1-20	7-8-20	X
Endrin	ND	5.0	EPA 8081B	7-1-20	7-8-20	X
4,4'-DDD	ND	10	EPA 8081B	7-1-20	7-8-20	X
Endosulfan II	ND	10	EPA 8081B	7-1-20	7-8-20	X
4,4'-DDT	ND	10	EPA 8081B	7-1-20	7-8-20	X
Endrin Aldehyde	ND	10	EPA 8081B	7-1-20	7-8-20	X
Methoxychlor	ND	10	EPA 8081B	7-1-20	7-8-20	X
Endosulfan Sulfate	ND	10	EPA 8081B	7-1-20	7-8-20	X
Endrin Ketone	ND	10	EPA 8081B	7-1-20	7-8-20	X
Toxaphene	ND	50	EPA 8081B	7-1-20	7-8-20	X
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	78	33-97				
DCB	85	36-115				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Recovery	Limits	RPD	Limit	
MATRIX SPIKES											
Laboratory ID:	06-338-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	70.1	72.4	100	100	ND	70	72	36-123	3	21	
gamma-BHC	80.6	84.8	100	100	ND	81	85	38-121	5	21	
beta-BHC	85.6	90.4	100	100	ND	86	90	31-125	5	21	
delta-BHC	88.9	94.4	100	100	ND	89	94	37-118	6	23	
Heptachlor	90.0	86.2	100	100	ND	90	86	37-123	4	24	
Aldrin	84.9	88.1	100	100	ND	85	88	44-112	4	22	
Heptachlor Epoxide	82.3	87.4	100	100	ND	82	87	46-110	6	22	
gamma-Chlordane	86.2	90.6	100	100	ND	86	91	45-112	5	23	
alpha-Chlordane	85.3	86.8	100	100	ND	85	87	47-106	2	23	
4,4'-DDE	90.3	94.5	100	100	ND	90	94	34-139	5	22	
Endosulfan I	67.0	69.0	100	100	ND	67	69	46-115	3	25	
Dieldrin	84.8	90.0	100	100	ND	85	90	48-115	6	23	
Endrin	76.1	79.4	100	100	ND	76	79	44-120	4	28	
4,4'-DDD	90.7	96.2	100	100	ND	91	96	42-131	6	21	
Endosulfan II	74.7	77.1	100	100	ND	75	77	47-109	3	22	
4,4'-DDT	92.6	96.2	100	100	ND	93	96	29-135	4	32	
Endrin Aldehyde	84.3	89.2	100	100	ND	84	89	45-99	6	22	
Methoxychlor	86.7	88.2	100	100	ND	87	88	40-132	2	22	
Endosulfan Sulfate	75.0	79.3	100	100	ND	75	79	47-105	6	21	
Endrin Ketone	88.2	96.6	100	100	ND	88	97	46-115	9	22	
Surrogate:											
TCMX						79	88	33-97			
DCB						92	101	36-115			



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0703S1					
Dalapon	ND	180	EPA 8151A	7-3-20	7-3-20	
Dicamba	ND	9.4	EPA 8151A	7-3-20	7-3-20	
MCPP	ND	940	EPA 8151A	7-3-20	7-3-20	
MCPA	ND	2300	EPA 8151A	7-3-20	7-3-20	
Dichlorprop	ND	71	EPA 8151A	7-3-20	7-3-20	
2,4-D	ND	9.4	EPA 8151A	7-3-20	7-3-20	
Pentachlorophenol	ND	4.8	EPA 8151A	7-3-20	7-3-20	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	7-3-20	7-3-20	
2,4,5-T	ND	9.5	EPA 8151A	7-3-20	7-3-20	
2,4-DB	ND	9.5	EPA 8151A	7-3-20	7-3-20	
Dinoseb	ND	9.5	EPA 8151A	7-3-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	67	18-119				
Laboratory ID:	MB0703S1					
Dalapon	ND	180	EPA 8151A	7-3-20	7-9-20	X
Dicamba	ND	9.4	EPA 8151A	7-3-20	7-9-20	X
MCPP	ND	940	EPA 8151A	7-3-20	7-9-20	X
MCPA	ND	2300	EPA 8151A	7-3-20	7-9-20	X
Dichlorprop	ND	71	EPA 8151A	7-3-20	7-9-20	X
2,4-D	ND	9.4	EPA 8151A	7-3-20	7-9-20	X
Pentachlorophenol	ND	4.8	EPA 8151A	7-3-20	7-9-20	X
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	7-3-20	7-9-20	X
2,4,5-T	ND	9.5	EPA 8151A	7-3-20	7-9-20	X
2,4-DB	ND	9.5	EPA 8151A	7-3-20	7-9-20	X
Dinoseb	ND	9.5	EPA 8151A	7-3-20	7-9-20	X
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	67	18-119				



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	Limit			
MATRIX SPIKES											
Laboratory ID:	06-338-07										
	MS	MSD	MS	MSD		MS	MSD				
Dalapon	338	575	1250	1250	ND	27	46	10-83	52	30	L
Dicamba	208	242	250	250	ND	83	97	31-107	15	23	
MCPPE	25200	25700	25000	25000	ND	101	103	36-134	2	32	
MCPA	23900	24500	25000	25000	ND	96	98	26-121	2	35	
Dichlorprop	233	245	250	250	ND	93	98	24-116	5	27	
2,4-D	196	203	250	250	ND	79	81	10-116	4	21	
Pentachlorophenol	26.1	26.9	25.0	25.0	ND	105	107	13-112	3	30	
2,4,5-TP (Silvex)	256	270	250	250	ND	103	108	40-124	5	23	
2,4,5-T	241	256	250	250	ND	96	103	19-138	6	24	
2,4-DB	238	241	250	250	ND	95	97	14-141	1	29	
Dinoseb	250	238	250	250	ND	100	95	12-115	5	23	
<i>Surrogate:</i>											
DCAA						97	99	18-119			



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701SM1					
Arsenic	ND	10	EPA 6010D	7-1-20	7-1-20	
Cadmium	ND	0.50	EPA 6010D	7-1-20	7-1-20	
Chromium	ND	0.50	EPA 6010D	7-1-20	7-1-20	
Copper	ND	1.0	EPA 6010D	7-1-20	7-1-20	
Lead	ND	5.0	EPA 6010D	7-1-20	7-1-20	
Nickel	ND	2.5	EPA 6010D	7-1-20	7-1-20	
Zinc	ND	2.5	EPA 6010D	7-1-20	7-1-20	
Laboratory ID:	MB0702S1					
Mercury	ND	0.025	EPA 7471B	7-2-20	7-2-20	
Laboratory ID:	MB0701SM1					
Selenium	ND	0.63	EPA 6020B	7-1-20	7-10-20	



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-338-02							
	ORIG	DUP						
Arsenic	ND	ND	NA	NA	NA	NA	20	
Cadmium	ND	ND	NA	NA	NA	NA	20	
Chromium	17.7	16.4	NA	NA	NA	8	20	
Copper	8.55	8.20	NA	NA	NA	4	20	
Lead	ND	ND	NA	NA	NA	NA	20	
Nickel	29.5	27.9	NA	NA	NA	6	20	
Zinc	22.5	20.3	NA	NA	NA	10	20	

Laboratory ID:	06-338-02							
Mercury	ND	ND	NA	NA	NA	NA	20	

Laboratory ID:	06-338-02							
	ORIG	DUP						
Selenium	ND	ND	NA	NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	06-338-02									
	MS	MSD	MS	MSD	MS	MSD				
Arsenic	91.1	93.8	100	100	ND	91	94	75-125	3	20
Cadmium	40.4	41.0	50.0	50.0	ND	81	82	75-125	1	20
Chromium	106	109	100	100	17.7	89	91	75-125	3	20
Copper	53.5	54.5	50.0	50.0	8.55	90	92	75-125	2	20
Lead	213	216	250	250	ND	85	86	75-125	1	20
Nickel	116	115	100	100	29.5	86	86	75-125	0	20
Zinc	111	112	100	100	22.5	89	90	75-125	1	20

Laboratory ID:	06-338-02									
Mercury	0.509	0.527	0.500	0.500	0.0116	100	103	80-120	3	20

Laboratory ID:	06-338-02									
	MS	MSD	MS	MSD	MS	MSD				
Selenium	85.0	84.3	100	100	ND	85	84	75-125	1	20



Date of Report: July 13, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338
 Project: 6694-002-03

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
STP-01-20	06-338-01	18	7-1-20
Fill-03-3	06-338-02	8	7-1-20
Fill-02-3	06-338-03	11	7-1-20
Fill-01-3	06-338-04	4	7-1-20
Fill-04-3	06-338-05	12	7-1-20
Fill-05-3	06-338-06	15	7-1-20
Fill-06-3	06-338-07	16	7-1-20
Fill-08-3	06-338-08	13	7-1-20
Fill-09-3	06-338-09	13	7-1-20
Fill-10-3	06-338-10	13	7-1-20
STP-07-15	06-338-11	9	7-1-20
STP-09-2	06-338-12	24	7-1-20
FST-01-1	06-338-13	7	7-1-20
Fill-07-1	06-338-14	27	7-1-20
Dup-1-200629	06-338-15	18	7-1-20





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





M Onsite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(In working days)

(Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

5-6 Days
(other)

Laboratory Number: **06-338**

Company: Geo Engineers

Project Number: 6694-002-03

Project Name: Geo East-Landfill

Project Manager: Rob East

Sampled by: RS

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Totals (meter)	% Moisture
1	STP-01-#20	6/24/20	0920	S	6			X	X	X			X	X	X	X	X	X					X	
2	F:11-03-3	1000						X	X	X			X	X	X	X	X	X					X	
3	F:11-02-3	1007						X	X	X			X	X	X	X	X	X					X	
4	F:11-01-3	1020						X	X	X			X	X	X	X	X	X					X	
5	F:11-04-3	1110						X	X	X			X	X	X	X	X	X					X	
6	F:11-05-3	1120						X	X	X			X	X	X	X	X	X					X	
7	F:11-06-3	1140						X	X	X			X	X	X	X	X	X					X	
8	F:11-08-3	1155						X	X	X			X	X	X	X	X	X					X	
9	F:11-09-3	1205						X	X	X			X	X	X	X	X	X					X	
10	F:11-10-3	1255						X	X	X			X	X	X	X	X	X					X	

Relinquished	Signature	Company	Date	Time	Comments/Special Instructions
Received		GEI	6/30/20	8:30	① Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc
Relinquished		SPEDY	6/30/20	8:30	
Received		SPEDY	6/30/20	10:56	
Relinquished		OS	4/30/20	10:56	
Received					Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Reviewed/Date		Reviewed/Date			Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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 Analytical Laboratory Testing Services
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 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (In working days)

(Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

Laboratory Number:

06-338

Company: Geo Engineers
 Project Number: 6694-002-03
 Project Name: 60 East Lend Fill
 Project Manager: Rob Leet
 Sampled by: RL

5-6 Days
 (other)

Lab ID Sample Identification Date Sampled Time Sampled Matrix

Number of Containers

	NWTPH-HCID		
	NWTPH-Gx/BTEX		
	NWTPH-Gx		
	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)		
	Volatiles 8260C		
	Halogenated Volatiles 8260C		
	EDB EPA 8011 (Waters Only)		
	Semivolatiles 8270D/SIM (with low-level PAHs)		
	PAHs 8270D/SIM (low-level)		
	PCBs 8082A		
	Organochlorine Pesticides 8081B		
	Organophosphorus Pesticides 8270D/SIM		
	Chlorinated Acid Herbicides 8151A		
	Total RCRA Metals		
	Total MTCA Metals		
	TCLP Metals		
	HEM (oil and grease) 1664A		
	<u>Total Metals</u> ①		
	% Moisture		

11	STP-07-15	6/24/20	1250	S	6
12	STP-09-2		1320	S	6
13	STP-01-1 EST-01-1		1345	S	6
14	FE-11-02-1		1400	S	6
15	Dup-1-200629		0600	S	6

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	GESE	6/30/20	8:30	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc.
<i>[Signature]</i>	SPESBY	6/30/20	8:30	
<i>[Signature]</i>	"	6/30/20	10:56	
<i>[Signature]</i>	DSE	6/30/20	10:56	

Relinquished	Received	Relinquished	Received	Relinquished	Received	Relinquished	Received	Relinquished	Received

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 13, 2020

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03
Laboratory Reference No. 2007-008

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on July 1, 2020.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

Case Narrative

page 1 of 2

Samples were collected on June 30, 2020 and received by the laboratory on July 1, 2020. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Semivolatiles EPA 8270E/SIM Analysis

Sample STP-05-10 had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

Organochlorine Pesticides by EPA 8081B Analysis

Negative effects of the matrix from the samples STP-12-7 and STP-06-15 on the instrument caused values for 4,4'-DDT and Methoxychlor in the continuing calibration verification standards (CCVs) to be low. Severe negative effects of the matrix from samples STP-11-2 and STP-02-11 caused such extensive breakdown on the analytes in the closing CCV that only 4,4'-DDD passed on both columns. Because of this, quantitation limits and sample concentrations can be higher than reported.

Below is a table containing the results and PQLs of the affected samples. Please note that the "% Low in CCV" percentage is the multiplier which theoretically would apply to the sample results as well as the PQLs. For example, a sample with a PQL of 11 and a %Low in CVV number of 39% could be considered to have a more realistic PQL of 18 using the formula $NEW\ VALUE = OLD\ VALUE / (100 - Percent\ Low)$, which in this case would be $11 / (100 - 39) = 18$.

Analyte	Result	PQL	%Low in CCV
Client ID:	STP-12-7		
4,4'-DDT	ND	12	47%
Methoxychlor	ND	12	39%
Client ID:	STP-11-2		
alpha-BHC	ND	6.8	37%
gamma-BHC	ND	6.8	21%
beta-BHC	ND	6.8	33%
delta-BHC	ND	6.8	32%
Heptachlor	ND	6.8	30%
Aldrin	ND	6.8	20%
Heptachlor Epoxide	ND	6.8	21%
gamma-Chlordane	ND	6.8	25%
alpha-Chlordane	ND	14	26%
4,4'-DDE	92	14	39%
Endosulfan I	ND	6.8	44%
Dieldrin	ND	14	21%
Endrin	ND	6.8	27%
Endosulfan II	ND	14	25%
4,4'-DDT	210	14	85%
Endrin Aldehyde	ND	14	26%
Methoxychlor	ND	14	81%
Endosulfan Sulfate	ND	14	36%
Endrin Ketone	ND	14	34%



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

Case Narrative
 page 2 of 2

Organochlorine Pesticides by EPA 8081B Analysis (continued)

Analyte	Result	PQL	%Low in CCV
Client ID:	STP-02-11		
alpha-BHC	ND	6.3	37%
gamma-BHC	ND	6.3	21%
beta-BHC	ND	6.3	33%
delta-BHC	ND	6.3	32%
Heptachlor	ND	6.3	30%
Aldrin	ND	6.3	20%
Heptachlor Epoxide	ND	6.3	21%
gamma-Chlordane	ND	6.3	25%
alpha-Chlordane	ND	13	26%
4,4'-DDE	37	13	39%
Endosulfan I	ND	6.3	44%
Dieldrin	ND	13	21%
Endrin	ND	6.3	27%
Endosulfan II	ND	13	25%
4,4'-DDT	ND	13	85%
Endrin Aldehyde	ND	13	26%
Methoxychlor	ND	13	81%
Endosulfan Sulfate	ND	13	36%
Endrin Ketone	ND	13	34%
Client ID:	STP-06-15		
4,4'-DDT	ND	13	47%
Methoxychlor	ND	13	39%

Chlorinated Acid Herbicides EPA 8151A Analysis

Sample 06-338-07 was used as the MS/MSD pair. The RPD values for Dalapon was above its quality control limits between the MS and MSD. All percent recovery values were within quality control limits and no further action was performed.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: July 13, 2020
Samples Submitted: July 1, 2020
Laboratory Reference: 2007-008
Project: 6694-002-03

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
STP-12-7	07-008-01	Soil	6-30-20	7-1-20	
STP-11-2	07-008-02	Soil	6-30-20	7-1-20	
STP-10-SP	07-008-03	Soil	6-30-20	7-1-20	
STP-02-11	07-008-04	Soil	6-30-20	7-1-20	
STP-03-15	07-008-05	Soil	6-30-20	7-1-20	
STP-04-15	07-008-06	Soil	6-30-20	7-1-20	
STP-05-10	07-008-07	Soil	6-30-20	7-1-20	
STP-06-15	07-008-08	Soil	6-30-20	7-1-20	
STP-08-3	07-008-09	Soil	6-30-20	7-1-20	



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
Gasoline	ND	7.3	NWTPH-Gx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	58-129				
Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
Gasoline	ND	8.8	NWTPH-Gx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	78	58-129				
Client ID:	STP-10-SP					
Laboratory ID:	07-008-03					
Gasoline	ND	7.7	NWTPH-Gx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	58-129				
Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
Gasoline	ND	7.1	NWTPH-Gx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	79	58-129				
Client ID:	STP-03-15					
Laboratory ID:	07-008-05					
Gasoline	ND	7.4	NWTPH-Gx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	103	58-129				
Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
Gasoline	ND	13	NWTPH-Gx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	100	58-129				
Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
Gasoline	ND	8.2	NWTPH-Gx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	58-129				



Date of Report: July 13, 2020
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**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
Gasoline	ND	7.0	NWTPH-Gx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	58-129				
Client ID:	STP-08-3					
Laboratory ID:	07-008-09					
Gasoline	ND	7.1	NWTPH-Gx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	58-129				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
Diesel Range Organics	ND	37	NWTPH-Dx	7-2-20	7-2-20	U1
Lube Oil	720	61	NWTPH-Dx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	77	50-150				

Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
Diesel Range Organics	ND	170	NWTPH-Dx	7-2-20	7-2-20	
Lube Oil	3200	340	NWTPH-Dx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				

Client ID:	STP-10-SP					
Laboratory ID:	07-008-03					
Diesel Range Organics	ND	32	NWTPH-Dx	7-2-20	7-2-20	
Lube Oil Range Organics	180	65	NWTPH-Dx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				

Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
Diesel Range Organics	ND	390	NWTPH-Dx	7-2-20	7-2-20	U1
Lube Oil	10000	320	NWTPH-Dx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	88	50-150				

Client ID:	STP-03-15					
Laboratory ID:	07-008-05					
Diesel Range Organics	ND	32	NWTPH-Dx	7-2-20	7-2-20	
Lube Oil Range Organics	ND	63	NWTPH-Dx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	82	50-150				

Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
Diesel Range Organics	ND	49	NWTPH-Dx	7-2-20	7-2-20	U1
Lube Oil	700	88	NWTPH-Dx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	70	50-150				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
Diesel Range Organics	ND	32	NWTPH-Dx	7-2-20	7-2-20	
Lube Oil	430	63	NWTPH-Dx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				

Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
Diesel Range Organics	ND	36	NWTPH-Dx	7-2-20	7-2-20	U1
Lube Oil	640	66	NWTPH-Dx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				

Client ID:	STP-08-3					
Laboratory ID:	07-008-09					
Diesel Range Organics	ND	31	NWTPH-Dx	7-2-20	7-2-20	
Lube Oil	83	62	NWTPH-Dx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
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 Project: 6694-002-03

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.013	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0026	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0065	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
1,1,2,2-Tetrachloroethane	ND	0.068	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichloropropane	ND	0.068	EPA 8260D	7-2-20	7-2-20	
n-Propylbenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
2-Chlorotoluene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
4-Chlorotoluene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
1,3,5-Trimethylbenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
tert-Butylbenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trimethylbenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
sec-Butylbenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
1,3-Dichlorobenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
p-Isopropyltoluene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
1,4-Dichlorobenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
1,2-Dichlorobenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
n-Butylbenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
1,2-Dibromo-3-chloropropane	ND	0.34	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trichlorobenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
Hexachlorobutadiene	ND	0.34	EPA 8260D	7-2-20	7-2-20	
Naphthalene	ND	0.34	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichlorobenzene	ND	0.068	EPA 8260D	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>105</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>81</i>	<i>71-130</i>				



Date of Report: July 13, 2020
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VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.013	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0026	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0064	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	74-131				
<i>Toluene-d8</i>	98	78-128				
<i>4-Bromofluorobenzene</i>	92	71-130				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-10-SP					
Laboratory ID:	07-008-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Acetone	0.012	0.012	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-10-SP					
Laboratory ID:	07-008-03					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0024	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>92</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0069	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0069	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.014	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0069	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0069	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0069	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0069	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0069	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0069	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0069	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0069	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0028	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0069	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
1,1,2,2-Tetrachloroethane	ND	0.071	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichloropropane	ND	0.071	EPA 8260D	7-2-20	7-2-20	
n-Propylbenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
2-Chlorotoluene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
4-Chlorotoluene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
1,3,5-Trimethylbenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
tert-Butylbenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trimethylbenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
sec-Butylbenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
1,3-Dichlorobenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
p-Isopropyltoluene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
1,4-Dichlorobenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
1,2-Dichlorobenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
n-Butylbenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
1,2-Dibromo-3-chloropropane	ND	0.35	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trichlorobenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
Hexachlorobutadiene	ND	0.35	EPA 8260D	7-2-20	7-2-20	
Naphthalene	ND	0.35	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichlorobenzene	ND	0.071	EPA 8260D	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	95	74-131				
<i>Toluene-d8</i>	99	78-128				
<i>4-Bromofluorobenzene</i>	76	71-130				



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 Project: 6694-002-03

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-03-15					
Laboratory ID:	07-008-05					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Acetone	0.015	0.013	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	0.0039	0.0013	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-03-15					
Laboratory ID:	07-008-05					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0025	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>110</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
Dichlorodifluoromethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Acetone	0.26	0.019	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	0.0030	0.0019	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
2-Butanone	0.069	0.0097	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	



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 Project: 6694-002-03

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
1,1,2-Trichloroethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0039	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	0.0028	0.0019	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0097	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0019	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>90</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>92</i>	<i>71-130</i>				



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 Laboratory Reference: 2007-008
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.014	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	



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 Project: 6694-002-03

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0027	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0068	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>90</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>87</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Acetone	0.075	0.013	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Butanone	0.017	0.0063	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
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 Project: 6694-002-03

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0025	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0013	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	0.0050	0.0013	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0063	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	0.0019	0.0013	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>85</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>91</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-08-3					
Laboratory ID:	07-008-09					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.012	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-08-3					
Laboratory ID:	07-008-09					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0024	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0059	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
n-Nitrosodimethylamine	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	8.2	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	4.1	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	0.82	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	0.82	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.82	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Naphthalene	0.29	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
4-Chloroaniline	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	0.048	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
1-Methylnaphthalene	ND	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
Hexachlorocyclopentadiene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	0.82	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	0.82	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	ND	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
3-Nitroaniline	ND	0.82	EPA 8270E	7-1-20	7-3-20	



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
2,4-Dinitrophenol	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	ND	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
4-Nitrophenol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	0.82	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Fluorene	ND	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
4,6-Dinitro-2-methylphenol	ND	4.1	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	0.82	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	0.82	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	0.21	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
Anthracene	0.038	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
Carbazole	ND	0.82	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.20	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
Pyrene	0.15	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
Butylbenzylphthalate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
bis(2-Ethylhexyl)adipate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	0.065	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
Chrysene	0.093	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
bis(2-Ethylhexyl)phthalate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	4.1	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	0.10	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo(j,k)fluoranthene	ND	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[a]pyrene	0.079	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
Indeno[1,2,3-cd]pyrene	0.062	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
Dibenz[a,h]anthracene	ND	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[g,h,i]perylene	0.086	0.033	EPA 8270E/SIM	7-1-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	61	22 - 109				
Phenol-d6	67	36 - 110				
Nitrobenzene-d5	82	31 - 109				
2-Fluorobiphenyl	80	45 - 107				
2,4,6-Tribromophenol	79	43 - 124				
Terphenyl-d14	78	52 - 118				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
n-Nitrosodimethylamine	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	23	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	11	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	2.3	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	2.3	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	2.3	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Naphthalene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
4-Chloroaniline	ND	11	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
1-Methylnaphthalene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
Hexachlorocyclopentadiene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	2.3	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	2.3	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
3-Nitroaniline	ND	2.3	EPA 8270E	7-1-20	7-3-20	



Date of Report: July 13, 2020
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 Laboratory Reference: 2007-008
 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
2,4-Dinitrophenol	ND	11	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
4-Nitrophenol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	11	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	2.3	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Fluorene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
4,6-Dinitro-2-methylphenol	ND	11	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	2.3	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	2.3	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	11	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
Anthracene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
Carbazole	ND	2.3	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	11	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.11	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
Pyrene	0.13	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
Butylbenzylphthalate	ND	11	EPA 8270E	7-1-20	7-3-20	
bis-2-Ethylhexyladipate	ND	11	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	11	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
Chrysene	0.11	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
bis(2-Ethylhexyl)phthalate	ND	11	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	11	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	0.10	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
Benzo(j,k)fluoranthene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
Benzo[a]pyrene	0.10	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
Indeno[1,2,3-cd]pyrene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
Dibenz[a,h]anthracene	ND	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
Benzo[g,h,i]perylene	0.11	0.090	EPA 8270E/SIM	7-1-20	7-6-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	---	22 - 109				S
Phenol-d6	---	36 - 110				S
Nitrobenzene-d5	---	31 - 109				S
2-Fluorobiphenyl	---	45 - 107				S
2,4,6-Tribromophenol	---	43 - 124				S
Terphenyl-d14	---	52 - 118				S



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-10-SP					
Laboratory ID:	07-008-03					
n-Nitrosodimethylamine	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Pyridine	ND	0.43	EPA 8270E	7-1-20	7-2-20	
Phenol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Aniline	ND	0.22	EPA 8270E	7-1-20	7-2-20	
bis(2-Chloroethyl)ether	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2-Chlorophenol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
1,3-Dichlorobenzene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
1,4-Dichlorobenzene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Benzyl alcohol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
1,2-Dichlorobenzene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2-Methylphenol (o-Cresol)	ND	0.043	EPA 8270E	7-1-20	7-2-20	
bis(2-Chloroisopropyl)ether	ND	0.043	EPA 8270E	7-1-20	7-2-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.043	EPA 8270E	7-1-20	7-2-20	
n-Nitroso-di-n-propylamine	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Hexachloroethane	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Nitrobenzene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Isophorone	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2-Nitrophenol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2,4-Dimethylphenol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
bis(2-Chloroethoxy)methane	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2,4-Dichlorophenol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
1,2,4-Trichlorobenzene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Naphthalene	0.0090	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
4-Chloroaniline	ND	0.22	EPA 8270E	7-1-20	7-2-20	
Hexachlorobutadiene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
4-Chloro-3-methylphenol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2-Methylnaphthalene	ND	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
1-Methylnaphthalene	ND	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
Hexachlorocyclopentadiene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2,4,6-Trichlorophenol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2,3-Dichloroaniline	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2,4,5-Trichlorophenol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2-Chloronaphthalene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2-Nitroaniline	ND	0.043	EPA 8270E	7-1-20	7-2-20	
1,4-Dinitrobenzene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Dimethylphthalate	ND	0.043	EPA 8270E	7-1-20	7-2-20	
1,3-Dinitrobenzene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2,6-Dinitrotoluene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
1,2-Dinitrobenzene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Acenaphthylene	ND	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
3-Nitroaniline	ND	0.043	EPA 8270E	7-1-20	7-2-20	



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-10-SP					
Laboratory ID:	07-008-03					
2,4-Dinitrophenol	ND	0.29	EPA 8270E	7-1-20	7-2-20	
Acenaphthene	ND	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
4-Nitrophenol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2,4-Dinitrotoluene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Dibenzofuran	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2,3,5,6-Tetrachlorophenol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
2,3,4,6-Tetrachlorophenol	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Diethylphthalate	ND	0.22	EPA 8270E	7-1-20	7-2-20	
4-Chlorophenyl-phenylether	ND	0.043	EPA 8270E	7-1-20	7-2-20	
4-Nitroaniline	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Fluorene	ND	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
4,6-Dinitro-2-methylphenol	ND	0.22	EPA 8270E	7-1-20	7-2-20	
n-Nitrosodiphenylamine	ND	0.043	EPA 8270E	7-1-20	7-2-20	
1,2-Diphenylhydrazine	ND	0.043	EPA 8270E	7-1-20	7-2-20	
4-Bromophenyl-phenylether	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Hexachlorobenzene	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Pentachlorophenol	ND	0.22	EPA 8270E	7-1-20	7-2-20	
Phenanthrene	0.017	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
Anthracene	ND	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
Carbazole	ND	0.043	EPA 8270E	7-1-20	7-2-20	
Di-n-butylphthalate	ND	0.22	EPA 8270E	7-1-20	7-2-20	
Fluoranthene	0.021	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
Pyrene	0.029	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
Butylbenzylphthalate	ND	0.22	EPA 8270E	7-1-20	7-2-20	
bis(2-Ethylhexyl)adipate	ND	0.22	EPA 8270E	7-1-20	7-2-20	
3,3'-Dichlorobenzidine	ND	0.22	EPA 8270E	7-1-20	7-2-20	
Benzo[a]anthracene	0.010	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
Chrysene	0.014	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
bis(2-Ethylhexyl)phthalate	ND	0.22	EPA 8270E	7-1-20	7-2-20	
Di-n-octylphthalate	ND	0.22	EPA 8270E	7-1-20	7-2-20	
Benzo[b]fluoranthene	0.015	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
Benzo(j,k)fluoranthene	ND	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
Benzo[a]pyrene	0.013	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
Indeno[1,2,3-cd]pyrene	0.0093	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
Dibenz[a,h]anthracene	ND	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
Benzo[g,h,i]perylene	0.010	0.0086	EPA 8270E/SIM	7-1-20	7-6-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>67</i>	<i>22 - 109</i>				
<i>Phenol-d6</i>	<i>80</i>	<i>36 - 110</i>				
<i>Nitrobenzene-d5</i>	<i>78</i>	<i>31 - 109</i>				
<i>2-Fluorobiphenyl</i>	<i>83</i>	<i>45 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>89</i>	<i>43 - 124</i>				
<i>Terphenyl-d14</i>	<i>81</i>	<i>52 - 118</i>				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
n-Nitrosodimethylamine	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	42	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	21	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	4.2	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	4.2	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	4.2	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Naphthalene	ND	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
4-Chloroaniline	ND	21	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	ND	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
1-Methylnaphthalene	ND	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
Hexachlorocyclopentadiene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	4.2	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	4.2	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	0.26	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
3-Nitroaniline	ND	4.2	EPA 8270E	7-1-20	7-3-20	



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
2,4-Dinitrophenol	ND	21	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	ND	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
4-Nitrophenol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	21	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	4.2	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Fluorene	ND	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
4,6-Dinitro-2-methylphenol	ND	21	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	4.2	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	4.2	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	21	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	0.28	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
Anthracene	0.27	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
Carbazole	ND	4.2	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	21	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.72	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
Pyrene	0.88	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
Butylbenzylphthalate	ND	21	EPA 8270E	7-1-20	7-3-20	
bis(2-Ethylhexyl)adipate	ND	21	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	21	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	0.61	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
Chrysene	0.78	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
bis(2-Ethylhexyl)phthalate	ND	21	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	21	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	1.5	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo(j,k)fluoranthene	0.43	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[a]pyrene	1.2	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
Indeno[1,2,3-cd]pyrene	1.2	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
Dibenz[a,h]anthracene	0.25	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[g,h,i]perylene	1.4	0.17	EPA 8270E/SIM	7-1-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	---	22 - 109				S
Phenol-d6	---	36 - 110				S
Nitrobenzene-d5	---	31 - 109				S
2-Fluorobiphenyl	---	45 - 107				S
2,4,6-Tribromophenol	---	43 - 124				S
Terphenyl-d14	---	52 - 118				S



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-03-15					
Laboratory ID:	07-008-05					
n-Nitrosodimethylamine	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	0.42	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	0.21	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	0.042	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	0.042	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.042	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Naphthalene	0.0046	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
4-Chloroaniline	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	0.0028	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
1-Methylnaphthalene	ND	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
Hexachlorocyclopentadiene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	0.042	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	0.042	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	ND	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
3-Nitroaniline	ND	0.042	EPA 8270E	7-1-20	7-3-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-03-15					
Laboratory ID:	07-008-05					
2,4-Dinitrophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	0.091	0.042	EPA 8270E	7-1-20	7-3-20	
4-Nitrophenol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	0.21	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	0.042	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Fluorene	0.024	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
4,6-Dinitro-2-methylphenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	0.042	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	0.042	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	0.0023	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
Anthracene	0.0031	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
Carbazole	ND	0.042	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.022	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
Pyrene	0.030	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
Butylbenzylphthalate	ND	0.21	EPA 8270E	7-1-20	7-3-20	
bis(2-Ethylhexyl)adipate	ND	0.21	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	0.0063	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
Chrysene	0.011	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
bis(2-Ethylhexyl)phthalate	0.52	0.21	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	0.0094	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo(j,k)fluoranthene	0.0024	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[a]pyrene	0.0072	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
Indeno[1,2,3-cd]pyrene	0.0052	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
Dibenz[a,h]anthracene	0.0025	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[g,h,i]perylene	0.0087	0.0017	EPA 8270E/SIM	7-1-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	57	22 - 109				
Phenol-d6	76	36 - 110				
Nitrobenzene-d5	70	31 - 109				
2-Fluorobiphenyl	73	45 - 107				
2,4,6-Tribromophenol	88	43 - 124				
Terphenyl-d14	75	52 - 118				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
n-Nitrosodimethylamine	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	4.4	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	2.2	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	0.44	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	0.44	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	1.2	0.44	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Naphthalene	0.092	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
4-Chloroaniline	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	0.052	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
1-Methylnaphthalene	0.022	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Hexachlorocyclopentadiene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	ND	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
3-Nitroaniline	ND	0.44	EPA 8270E	7-1-20	7-3-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
2,4-Dinitrophenol	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	0.026	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
4-Nitrophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	0.44	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Fluorene	0.031	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
4,6-Dinitro-2-methylphenol	ND	2.2	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	0.44	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	0.44	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	0.064	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Anthracene	0.022	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Carbazole	ND	0.44	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.069	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Pyrene	0.088	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Butylbenzylphthalate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
bis(2-Ethylhexyl)adipate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	0.029	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Chrysene	0.054	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
bis(2-Ethylhexyl)phthalate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	2.2	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	0.043	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo(j,k)fluoranthene	ND	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[a]pyrene	0.033	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Indeno[1,2,3-cd]pyrene	0.030	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Dibenz[a,h]anthracene	ND	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[g,h,i]perylene	0.036	0.018	EPA 8270E/SIM	7-1-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	28	22 - 109				
Phenol-d6	43	36 - 110				
Nitrobenzene-d5	40	31 - 109				
2-Fluorobiphenyl	59	45 - 107				
2,4,6-Tribromophenol	62	43 - 124				
Terphenyl-d14	65	52 - 118				



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 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
n-Nitrosodimethylamine	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	2.1	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	1.1	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	0.21	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	0.21	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.21	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Naphthalene	0.014	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
4-Chloroaniline	ND	1.1	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	0.011	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
1-Methylnaphthalene	ND	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
Hexachlorocyclopentadiene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	ND	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
3-Nitroaniline	ND	0.21	EPA 8270E	7-1-20	7-3-20	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
2,4-Dinitrophenol	ND	1.1	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	ND	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
4-Nitrophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	1.1	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	0.21	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Fluorene	ND	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
4,6-Dinitro-2-methylphenol	ND	1.1	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	0.21	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	1.1	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	0.014	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
Anthracene	ND	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
Carbazole	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	1.1	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.015	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
Pyrene	0.016	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
Butylbenzylphthalate	ND	1.1	EPA 8270E	7-1-20	7-3-20	
bis-2-Ethylhexyladipate	ND	1.1	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	1.1	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	ND	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
Chrysene	0.014	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
bis(2-Ethylhexyl)phthalate	ND	1.1	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	1.1	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	0.023	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo(j,k)fluoranthene	ND	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[a]pyrene	0.015	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
Indeno[1,2,3-cd]pyrene	0.017	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
Dibenz[a,h]anthracene	ND	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[g,h,i]perylene	0.023	0.0085	EPA 8270E/SIM	7-1-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	35	22 - 109				
Phenol-d6	45	36 - 110				
Nitrobenzene-d5	47	31 - 109				
2-Fluorobiphenyl	51	45 - 107				
2,4,6-Tribromophenol	47	43 - 124				
Terphenyl-d14	47	52 - 118				

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Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
n-Nitrosodimethylamine	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	3.3	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	1.7	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	0.33	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	0.33	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.33	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Naphthalene	0.073	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
4-Chloroaniline	ND	1.7	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	0.024	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
1-Methylnaphthalene	ND	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
Hexachlorocyclopentadiene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	0.33	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	0.33	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	0.081	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
3-Nitroaniline	ND	0.33	EPA 8270E	7-1-20	7-3-20	



Date of Report: July 13, 2020
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 Laboratory Reference: 2007-008
 Project: 6694-002-03

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
2,4-Dinitrophenol	ND	1.7	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	0.044	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
4-Nitrophenol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	1.7	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	0.33	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Fluorene	0.031	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
4,6-Dinitro-2-methylphenol	ND	1.7	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	0.33	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	0.33	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	1.7	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	0.039	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
Anthracene	0.053	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
Carbazole	ND	0.33	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	1.7	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.13	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
Pyrene	0.19	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
Butylbenzylphthalate	ND	1.7	EPA 8270E	7-1-20	7-3-20	
bis-2-Ethylhexyladipate	ND	1.7	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	1.7	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	0.10	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
Chrysene	0.15	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
bis(2-Ethylhexyl)phthalate	ND	1.7	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	1.7	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	0.20	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo(j,k)fluoranthene	0.039	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[a]pyrene	0.19	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
Indeno[1,2,3-cd]pyrene	0.12	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
Dibenz[a,h]anthracene	0.039	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[g,h,i]perylene	0.20	0.013	EPA 8270E/SIM	7-1-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	48	22 - 109				
Phenol-d6	60	36 - 110				
Nitrobenzene-d5	61	31 - 109				
2-Fluorobiphenyl	68	45 - 107				
2,4,6-Tribromophenol	63	43 - 124				
Terphenyl-d14	64	52 - 118				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-08-3					
Laboratory ID:	07-008-09					
n-Nitrosodimethylamine	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Pyridine	ND	2.1	EPA 8270E	7-1-20	7-3-20	
Phenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Aniline	ND	1.0	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethyl)ether	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Chlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,3-Dichlorobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,4-Dichlorobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Benzyl alcohol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,2-Dichlorobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Methylphenol (o-Cresol)	ND	0.21	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroisopropyl)ether	ND	0.21	EPA 8270E	7-1-20	7-3-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.21	EPA 8270E	7-1-20	7-3-20	
n-Nitroso-di-n-propylamine	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Hexachloroethane	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Nitrobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Isophorone	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Nitrophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,4-Dimethylphenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
bis(2-Chloroethoxy)methane	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,4-Dichlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,2,4-Trichlorobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Naphthalene	0.012	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
4-Chloroaniline	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Hexachlorobutadiene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
4-Chloro-3-methylphenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Methylnaphthalene	ND	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
1-Methylnaphthalene	ND	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
Hexachlorocyclopentadiene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,4,6-Trichlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,3-Dichloroaniline	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,4,5-Trichlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Chloronaphthalene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2-Nitroaniline	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,4-Dinitrobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Dimethylphthalate	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,3-Dinitrobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,6-Dinitrotoluene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,2-Dinitrobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Acenaphthylene	0.018	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
3-Nitroaniline	ND	0.21	EPA 8270E	7-1-20	7-3-20	



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-08-3					
Laboratory ID:	07-008-09					
2,4-Dinitrophenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Acenaphthene	ND	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
4-Nitrophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,4-Dinitrotoluene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Dibenzofuran	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,3,5,6-Tetrachlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
2,3,4,6-Tetrachlorophenol	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Diethylphthalate	ND	1.0	EPA 8270E	7-1-20	7-3-20	
4-Chlorophenyl-phenylether	ND	0.21	EPA 8270E	7-1-20	7-3-20	
4-Nitroaniline	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Fluorene	ND	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
4,6-Dinitro-2-methylphenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
n-Nitrosodiphenylamine	ND	0.21	EPA 8270E	7-1-20	7-3-20	
1,2-Diphenylhydrazine	ND	0.21	EPA 8270E	7-1-20	7-3-20	
4-Bromophenyl-phenylether	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Hexachlorobenzene	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Pentachlorophenol	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Phenanthrene	0.071	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
Anthracene	0.029	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
Carbazole	ND	0.21	EPA 8270E	7-1-20	7-3-20	
Di-n-butylphthalate	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Fluoranthene	0.14	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
Pyrene	0.15	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
Butylbenzylphthalate	ND	1.0	EPA 8270E	7-1-20	7-3-20	
bis(2-Ethylhexyl)adipate	ND	1.0	EPA 8270E	7-1-20	7-3-20	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Benzo[a]anthracene	0.093	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
Chrysene	0.099	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
bis(2-Ethylhexyl)phthalate	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Di-n-octylphthalate	ND	1.0	EPA 8270E	7-1-20	7-3-20	
Benzo[b]fluoranthene	0.14	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo(j,k)fluoranthene	0.040	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[a]pyrene	0.097	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
Indeno[1,2,3-cd]pyrene	0.062	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
Dibenz[a,h]anthracene	0.016	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
Benzo[g,h,i]perylene	0.058	0.0082	EPA 8270E/SIM	7-1-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	67	22 - 109				
Phenol-d6	84	36 - 110				
Nitrobenzene-d5	79	31 - 109				
2-Fluorobiphenyl	88	45 - 107				
2,4,6-Tribromophenol	92	43 - 124				
Terphenyl-d14	86	52 - 118				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
Aroclor 1016	ND	0.061	EPA 8082A	7-2-20	7-2-20	
Aroclor 1221	ND	0.061	EPA 8082A	7-2-20	7-2-20	
Aroclor 1232	ND	0.061	EPA 8082A	7-2-20	7-2-20	
Aroclor 1242	ND	0.061	EPA 8082A	7-2-20	7-2-20	
Aroclor 1248	ND	0.061	EPA 8082A	7-2-20	7-2-20	
Aroclor 1254	ND	0.061	EPA 8082A	7-2-20	7-2-20	
Aroclor 1260	ND	0.061	EPA 8082A	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	99	46-125				
Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
Aroclor 1016	ND	0.068	EPA 8082A	7-2-20	7-2-20	
Aroclor 1221	ND	0.068	EPA 8082A	7-2-20	7-2-20	
Aroclor 1232	ND	0.068	EPA 8082A	7-2-20	7-2-20	
Aroclor 1242	ND	0.068	EPA 8082A	7-2-20	7-2-20	
Aroclor 1248	ND	0.068	EPA 8082A	7-2-20	7-2-20	
Aroclor 1254	ND	0.068	EPA 8082A	7-2-20	7-2-20	
Aroclor 1260	ND	0.068	EPA 8082A	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	94	46-125				
Client ID:	STP-10-SP					
Laboratory ID:	07-008-03					
Aroclor 1016	ND	0.065	EPA 8082A	7-2-20	7-2-20	
Aroclor 1221	ND	0.065	EPA 8082A	7-2-20	7-2-20	
Aroclor 1232	ND	0.065	EPA 8082A	7-2-20	7-2-20	
Aroclor 1242	ND	0.065	EPA 8082A	7-2-20	7-2-20	
Aroclor 1248	ND	0.065	EPA 8082A	7-2-20	7-2-20	
Aroclor 1254	ND	0.065	EPA 8082A	7-2-20	7-2-20	
Aroclor 1260	ND	0.065	EPA 8082A	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	90	46-125				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
Aroclor 1016	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1221	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1232	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1242	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1248	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1254	0.088	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1260	ND	0.063	EPA 8082A	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	92	46-125				
Client ID:	STP-03-15					
Laboratory ID:	07-008-05					
Aroclor 1016	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1221	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1232	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1242	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1248	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1254	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1260	ND	0.063	EPA 8082A	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	94	46-125				
Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
Aroclor 1016	ND	0.088	EPA 8082A	7-2-20	7-2-20	
Aroclor 1221	ND	0.088	EPA 8082A	7-2-20	7-2-20	
Aroclor 1232	ND	0.088	EPA 8082A	7-2-20	7-2-20	
Aroclor 1242	ND	0.088	EPA 8082A	7-2-20	7-2-20	
Aroclor 1248	ND	0.088	EPA 8082A	7-2-20	7-2-20	
Aroclor 1254	ND	0.088	EPA 8082A	7-2-20	7-2-20	
Aroclor 1260	ND	0.088	EPA 8082A	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	97	46-125				



Date of Report: July 13, 2020
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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
Aroclor 1016	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1221	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1232	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1242	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1248	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1254	ND	0.063	EPA 8082A	7-2-20	7-2-20	
Aroclor 1260	ND	0.063	EPA 8082A	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	100	46-125				
Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
Aroclor 1016	ND	0.066	EPA 8082A	7-2-20	7-2-20	
Aroclor 1221	ND	0.066	EPA 8082A	7-2-20	7-2-20	
Aroclor 1232	ND	0.066	EPA 8082A	7-2-20	7-2-20	
Aroclor 1242	ND	0.066	EPA 8082A	7-2-20	7-2-20	
Aroclor 1248	ND	0.066	EPA 8082A	7-2-20	7-2-20	
Aroclor 1254	0.11	0.066	EPA 8082A	7-2-20	7-2-20	
Aroclor 1260	ND	0.066	EPA 8082A	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	100	46-125				
Client ID:	STP-08-3					
Laboratory ID:	07-008-09					
Aroclor 1016	ND	0.062	EPA 8082A	7-2-20	7-2-20	
Aroclor 1221	ND	0.062	EPA 8082A	7-2-20	7-2-20	
Aroclor 1232	ND	0.062	EPA 8082A	7-2-20	7-2-20	
Aroclor 1242	ND	0.062	EPA 8082A	7-2-20	7-2-20	
Aroclor 1248	ND	0.062	EPA 8082A	7-2-20	7-2-20	
Aroclor 1254	ND	0.062	EPA 8082A	7-2-20	7-2-20	
Aroclor 1260	ND	0.062	EPA 8082A	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	91	46-125				



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 Laboratory Reference: 2007-008
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
alpha-BHC	ND	6.1	EPA 8081B	7-2-20	7-8-20	
gamma-BHC	ND	6.1	EPA 8081B	7-2-20	7-8-20	
beta-BHC	ND	6.1	EPA 8081B	7-2-20	7-8-20	
delta-BHC	ND	6.1	EPA 8081B	7-2-20	7-8-20	
Heptachlor	ND	6.1	EPA 8081B	7-2-20	7-8-20	
Aldrin	ND	6.1	EPA 8081B	7-2-20	7-8-20	
Heptachlor Epoxide	ND	6.1	EPA 8081B	7-2-20	7-8-20	
gamma-Chlordane	ND	6.1	EPA 8081B	7-2-20	7-8-20	
alpha-Chlordane	ND	12	EPA 8081B	7-2-20	7-8-20	
4,4'-DDE	ND	12	EPA 8081B	7-2-20	7-8-20	
Endosulfan I	ND	6.1	EPA 8081B	7-2-20	7-8-20	
Dieldrin	ND	12	EPA 8081B	7-2-20	7-8-20	
Endrin	ND	6.1	EPA 8081B	7-2-20	7-8-20	
4,4'-DDD	ND	12	EPA 8081B	7-2-20	7-8-20	
Endosulfan II	ND	12	EPA 8081B	7-2-20	7-8-20	
4,4'-DDT	ND	12	EPA 8081B	7-2-20	7-8-20	
Endrin Aldehyde	ND	12	EPA 8081B	7-2-20	7-8-20	
Methoxychlor	ND	12	EPA 8081B	7-2-20	7-8-20	
Endosulfan Sulfate	ND	12	EPA 8081B	7-2-20	7-8-20	
Endrin Ketone	ND	12	EPA 8081B	7-2-20	7-8-20	
Toxaphene	ND	61	EPA 8081B	7-2-20	7-8-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	65	33-97				
DCB	64	36-115				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
alpha-BHC	ND	6.8	EPA 8081B	7-2-20	7-8-20	
gamma-BHC	ND	6.8	EPA 8081B	7-2-20	7-8-20	
beta-BHC	ND	6.8	EPA 8081B	7-2-20	7-8-20	
delta-BHC	ND	6.8	EPA 8081B	7-2-20	7-8-20	
Heptachlor	ND	6.8	EPA 8081B	7-2-20	7-8-20	
Aldrin	ND	6.8	EPA 8081B	7-2-20	7-8-20	
Heptachlor Epoxide	ND	6.8	EPA 8081B	7-2-20	7-8-20	
gamma-Chlordane	ND	6.8	EPA 8081B	7-2-20	7-8-20	
alpha-Chlordane	ND	14	EPA 8081B	7-2-20	7-8-20	
4,4'-DDE	92	14	EPA 8081B	7-2-20	7-8-20	
Endosulfan I	ND	6.8	EPA 8081B	7-2-20	7-8-20	
Dieldrin	ND	14	EPA 8081B	7-2-20	7-8-20	
Endrin	ND	6.8	EPA 8081B	7-2-20	7-8-20	
4,4'-DDD	42	14	EPA 8081B	7-2-20	7-8-20	
Endosulfan II	ND	14	EPA 8081B	7-2-20	7-8-20	
4,4'-DDT	210	14	EPA 8081B	7-2-20	7-8-20	
Endrin Aldehyde	ND	14	EPA 8081B	7-2-20	7-8-20	
Methoxychlor	ND	14	EPA 8081B	7-2-20	7-8-20	
Endosulfan Sulfate	ND	14	EPA 8081B	7-2-20	7-8-20	
Endrin Ketone	ND	14	EPA 8081B	7-2-20	7-8-20	
Toxaphene	ND	68	EPA 8081B	7-2-20	7-8-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	62	33-97				
DCB	65	36-115				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-10-SP					
Laboratory ID:	07-008-03					
alpha-BHC	ND	6.5	EPA 8081B	7-2-20	7-8-20	
gamma-BHC	ND	6.5	EPA 8081B	7-2-20	7-8-20	
beta-BHC	ND	6.5	EPA 8081B	7-2-20	7-8-20	
delta-BHC	ND	6.5	EPA 8081B	7-2-20	7-8-20	
Heptachlor	ND	6.5	EPA 8081B	7-2-20	7-8-20	
Aldrin	ND	6.5	EPA 8081B	7-2-20	7-8-20	
Heptachlor Epoxide	ND	6.5	EPA 8081B	7-2-20	7-8-20	
gamma-Chlordane	ND	6.5	EPA 8081B	7-2-20	7-8-20	
alpha-Chlordane	ND	13	EPA 8081B	7-2-20	7-8-20	
4,4'-DDE	ND	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan I	ND	6.5	EPA 8081B	7-2-20	7-8-20	
Dieldrin	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin	ND	6.5	EPA 8081B	7-2-20	7-8-20	
4,4'-DDD	ND	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan II	ND	13	EPA 8081B	7-2-20	7-8-20	
4,4'-DDT	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin Aldehyde	ND	13	EPA 8081B	7-2-20	7-8-20	
Methoxychlor	ND	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan Sulfate	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin Ketone	ND	13	EPA 8081B	7-2-20	7-8-20	
Toxaphene	ND	65	EPA 8081B	7-2-20	7-8-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	73	33-97				
DCB	80	36-115				



Date of Report: July 13, 2020
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 Laboratory Reference: 2007-008
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
alpha-BHC	ND	6.3	EPA 8081B	7-2-20	7-8-20	
gamma-BHC	ND	6.3	EPA 8081B	7-2-20	7-8-20	
beta-BHC	ND	6.3	EPA 8081B	7-2-20	7-8-20	
delta-BHC	ND	6.3	EPA 8081B	7-2-20	7-8-20	
Heptachlor	ND	6.3	EPA 8081B	7-2-20	7-8-20	
Aldrin	ND	6.3	EPA 8081B	7-2-20	7-8-20	
Heptachlor Epoxide	ND	6.3	EPA 8081B	7-2-20	7-8-20	
gamma-Chlordane	ND	6.3	EPA 8081B	7-2-20	7-8-20	
alpha-Chlordane	ND	13	EPA 8081B	7-2-20	7-8-20	
4,4'-DDE	37	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan I	ND	6.3	EPA 8081B	7-2-20	7-8-20	
Dieldrin	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin	ND	6.3	EPA 8081B	7-2-20	7-8-20	
4,4'-DDD	ND	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan II	ND	13	EPA 8081B	7-2-20	7-8-20	
4,4'-DDT	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin Aldehyde	ND	13	EPA 8081B	7-2-20	7-8-20	
Methoxychlor	ND	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan Sulfate	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin Ketone	ND	13	EPA 8081B	7-2-20	7-8-20	
Toxaphene	ND	63	EPA 8081B	7-2-20	7-8-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	66	33-97				
DCB	63	36-115				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-03-15					
Laboratory ID:	07-008-05					
alpha-BHC	ND	6.3	EPA 8081B	7-2-20	7-2-20	
gamma-BHC	ND	6.3	EPA 8081B	7-2-20	7-2-20	
beta-BHC	ND	6.3	EPA 8081B	7-2-20	7-2-20	
delta-BHC	ND	6.3	EPA 8081B	7-2-20	7-2-20	
Heptachlor	ND	6.3	EPA 8081B	7-2-20	7-2-20	
Aldrin	ND	6.3	EPA 8081B	7-2-20	7-2-20	
Heptachlor Epoxide	ND	6.3	EPA 8081B	7-2-20	7-2-20	
gamma-Chlordane	ND	6.3	EPA 8081B	7-2-20	7-2-20	
alpha-Chlordane	ND	13	EPA 8081B	7-2-20	7-2-20	
4,4'-DDE	ND	13	EPA 8081B	7-2-20	7-2-20	
Endosulfan I	ND	6.3	EPA 8081B	7-2-20	7-2-20	
Dieldrin	ND	13	EPA 8081B	7-2-20	7-2-20	
Endrin	ND	6.3	EPA 8081B	7-2-20	7-2-20	
4,4'-DDD	ND	13	EPA 8081B	7-2-20	7-2-20	
Endosulfan II	ND	13	EPA 8081B	7-2-20	7-2-20	
4,4'-DDT	ND	13	EPA 8081B	7-2-20	7-2-20	
Endrin Aldehyde	ND	13	EPA 8081B	7-2-20	7-2-20	
Methoxychlor	ND	13	EPA 8081B	7-2-20	7-2-20	
Endosulfan Sulfate	ND	13	EPA 8081B	7-2-20	7-2-20	
Endrin Ketone	ND	13	EPA 8081B	7-2-20	7-2-20	
Toxaphene	ND	63	EPA 8081B	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	82	33-97				
DCB	85	36-115				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
alpha-BHC	ND	8.8	EPA 8081B	7-2-20	7-8-20	
gamma-BHC	ND	8.8	EPA 8081B	7-2-20	7-8-20	
beta-BHC	ND	8.8	EPA 8081B	7-2-20	7-8-20	
delta-BHC	ND	8.8	EPA 8081B	7-2-20	7-8-20	
Heptachlor	ND	8.8	EPA 8081B	7-2-20	7-8-20	
Aldrin	ND	8.8	EPA 8081B	7-2-20	7-8-20	
Heptachlor Epoxide	ND	8.8	EPA 8081B	7-2-20	7-8-20	
gamma-Chlordane	ND	8.8	EPA 8081B	7-2-20	7-8-20	
alpha-Chlordane	ND	18	EPA 8081B	7-2-20	7-8-20	
4,4'-DDE	29	18	EPA 8081B	7-2-20	7-8-20	
Endosulfan I	ND	8.8	EPA 8081B	7-2-20	7-8-20	
Dieldrin	ND	18	EPA 8081B	7-2-20	7-8-20	
Endrin	ND	8.8	EPA 8081B	7-2-20	7-8-20	
4,4'-DDD	ND	18	EPA 8081B	7-2-20	7-8-20	
Endosulfan II	ND	18	EPA 8081B	7-2-20	7-8-20	
4,4'-DDT	ND	18	EPA 8081B	7-2-20	7-8-20	
Endrin Aldehyde	ND	18	EPA 8081B	7-2-20	7-8-20	
Methoxychlor	ND	18	EPA 8081B	7-2-20	7-8-20	
Endosulfan Sulfate	ND	18	EPA 8081B	7-2-20	7-8-20	
Endrin Ketone	ND	18	EPA 8081B	7-2-20	7-8-20	
Toxaphene	ND	88	EPA 8081B	7-2-20	7-8-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	73	33-97				
DCB	70	36-115				



Date of Report: July 13, 2020
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 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
alpha-BHC	ND	6.3	EPA 8081B	7-2-20	7-8-20	
gamma-BHC	ND	6.3	EPA 8081B	7-2-20	7-8-20	
beta-BHC	ND	6.3	EPA 8081B	7-2-20	7-8-20	
delta-BHC	ND	6.3	EPA 8081B	7-2-20	7-8-20	
Heptachlor	ND	6.3	EPA 8081B	7-2-20	7-8-20	
Aldrin	ND	6.3	EPA 8081B	7-2-20	7-8-20	
Heptachlor Epoxide	ND	6.3	EPA 8081B	7-2-20	7-8-20	
gamma-Chlordane	ND	6.3	EPA 8081B	7-2-20	7-8-20	
alpha-Chlordane	ND	13	EPA 8081B	7-2-20	7-8-20	
4,4'-DDE	ND	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan I	ND	6.3	EPA 8081B	7-2-20	7-8-20	
Dieldrin	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin	ND	6.3	EPA 8081B	7-2-20	7-8-20	
4,4'-DDD	ND	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan II	ND	13	EPA 8081B	7-2-20	7-8-20	
4,4'-DDT	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin Aldehyde	ND	13	EPA 8081B	7-2-20	7-8-20	
Methoxychlor	ND	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan Sulfate	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin Ketone	ND	13	EPA 8081B	7-2-20	7-8-20	
Toxaphene	ND	63	EPA 8081B	7-2-20	7-8-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	78	33-97				
DCB	69	36-115				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
alpha-BHC	ND	6.6	EPA 8081B	7-2-20	7-8-20	
gamma-BHC	ND	6.6	EPA 8081B	7-2-20	7-8-20	
beta-BHC	ND	6.6	EPA 8081B	7-2-20	7-8-20	
delta-BHC	ND	6.6	EPA 8081B	7-2-20	7-8-20	
Heptachlor	ND	6.6	EPA 8081B	7-2-20	7-8-20	
Aldrin	ND	6.6	EPA 8081B	7-2-20	7-8-20	
Heptachlor Epoxide	ND	6.6	EPA 8081B	7-2-20	7-8-20	
gamma-Chlordane	ND	6.6	EPA 8081B	7-2-20	7-8-20	
alpha-Chlordane	ND	13	EPA 8081B	7-2-20	7-8-20	
4,4'-DDE	ND	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan I	ND	6.6	EPA 8081B	7-2-20	7-8-20	
Dieldrin	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin	ND	6.6	EPA 8081B	7-2-20	7-8-20	
4,4'-DDD	ND	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan II	ND	13	EPA 8081B	7-2-20	7-8-20	
4,4'-DDT	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin Aldehyde	ND	13	EPA 8081B	7-2-20	7-8-20	
Methoxychlor	ND	13	EPA 8081B	7-2-20	7-8-20	
Endosulfan Sulfate	ND	13	EPA 8081B	7-2-20	7-8-20	
Endrin Ketone	ND	13	EPA 8081B	7-2-20	7-8-20	
Toxaphene	ND	66	EPA 8081B	7-2-20	7-8-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	72	33-97				
DCB	67	36-115				



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 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-08-3					
Laboratory ID:	07-008-09					
alpha-BHC	ND	6.2	EPA 8081B	7-2-20	7-8-20	
gamma-BHC	ND	6.2	EPA 8081B	7-2-20	7-8-20	
beta-BHC	ND	6.2	EPA 8081B	7-2-20	7-8-20	
delta-BHC	ND	6.2	EPA 8081B	7-2-20	7-8-20	
Heptachlor	ND	6.2	EPA 8081B	7-2-20	7-8-20	
Aldrin	ND	6.2	EPA 8081B	7-2-20	7-8-20	
Heptachlor Epoxide	ND	6.2	EPA 8081B	7-2-20	7-8-20	
gamma-Chlordane	ND	6.2	EPA 8081B	7-2-20	7-8-20	
alpha-Chlordane	ND	12	EPA 8081B	7-2-20	7-8-20	
4,4'-DDE	ND	12	EPA 8081B	7-2-20	7-8-20	
Endosulfan I	ND	6.2	EPA 8081B	7-2-20	7-8-20	
Dieldrin	ND	12	EPA 8081B	7-2-20	7-8-20	
Endrin	ND	6.2	EPA 8081B	7-2-20	7-8-20	
4,4'-DDD	ND	12	EPA 8081B	7-2-20	7-8-20	
Endosulfan II	ND	12	EPA 8081B	7-2-20	7-8-20	
4,4'-DDT	ND	12	EPA 8081B	7-2-20	7-8-20	
Endrin Aldehyde	ND	12	EPA 8081B	7-2-20	7-8-20	
Methoxychlor	ND	12	EPA 8081B	7-2-20	7-8-20	
Endosulfan Sulfate	ND	12	EPA 8081B	7-2-20	7-8-20	
Endrin Ketone	ND	12	EPA 8081B	7-2-20	7-8-20	
Toxaphene	ND	62	EPA 8081B	7-2-20	7-8-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	64	33-97				
DCB	66	36-115				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
Dalapon	ND	220	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	12	EPA 8151A	7-3-20	7-7-20	
MCPD	ND	1100	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	2900	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	87	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	12	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	ND	5.8	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4-DB	ND	12	EPA 8151A	7-3-20	7-7-20	
Dinoseb	ND	12	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	36	18-119				
Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
Dalapon	ND	250	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	13	EPA 8151A	7-3-20	7-7-20	
MCPD	ND	1300	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	3200	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	96	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	13	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	6.8	6.4	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	13	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	13	EPA 8151A	7-3-20	7-7-20	
2,4-DB	ND	13	EPA 8151A	7-3-20	7-7-20	
Dinoseb	ND	13	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	36	18-119				



Date of Report: July 13, 2020
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 Project: 6694-002-03

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-10-SP					
Laboratory ID:	07-008-03					
Dalapon	ND	240	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	12	EPA 8151A	7-3-20	7-7-20	
MCPD	ND	1200	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	3000	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	91	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	12	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	ND	6.1	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4-DB	ND	12	EPA 8151A	7-3-20	7-7-20	
Dinoseb	ND	12	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	84	18-119				
Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
Dalapon	ND	230	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	12	EPA 8151A	7-3-20	7-7-20	
MCPD	ND	1200	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	2900	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	89	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	12	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	12	6.0	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4-DB	ND	12	EPA 8151A	7-3-20	7-7-20	
Dinoseb	ND	12	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	29	18-119				



Date of Report: July 13, 2020
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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-03-15					
Laboratory ID:	07-008-05					
Dalapon	ND	230	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	12	EPA 8151A	7-3-20	7-7-20	
MCPD	ND	1200	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	2900	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	89	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	12	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	ND	6.0	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4-DB	ND	12	EPA 8151A	7-3-20	7-7-20	
Dinoseb	ND	12	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	77	18-119				
Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
Dalapon	ND	320	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	17	EPA 8151A	7-3-20	7-7-20	
MCPD	ND	1600	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	4100	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	120	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	17	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	ND	8.4	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	17	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	17	EPA 8151A	7-3-20	7-7-20	
2,4-DB	ND	17	EPA 8151A	7-3-20	7-7-20	
Dinoseb	ND	17	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	86	18-119				



Date of Report: July 13, 2020
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 Laboratory Reference: 2007-008
 Project: 6694-002-03

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
Dalapon	ND	230	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	12	EPA 8151A	7-3-20	7-7-20	
MCPPP	ND	1200	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	3000	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	90	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	12	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	ND	6.0	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4-DB	ND	12	EPA 8151A	7-3-20	7-7-20	
Dinoseb	ND	12	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	68	18-119				
Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
Dalapon	ND	240	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	12	EPA 8151A	7-3-20	7-7-20	
MCPPP	ND	1200	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	3100	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	94	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	12	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	ND	6.3	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	13	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	13	EPA 8151A	7-3-20	7-7-20	
2,4-DB	ND	13	EPA 8151A	7-3-20	7-7-20	
Dinoseb	ND	13	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	57	18-119				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-08-3					
Laboratory ID:	07-008-09					
Dalapon	ND	230	EPA 8151A	7-3-20	7-7-20	
Dicamba	ND	12	EPA 8151A	7-3-20	7-7-20	
MCPPP	ND	1200	EPA 8151A	7-3-20	7-7-20	
MCPA	ND	2900	EPA 8151A	7-3-20	7-7-20	
Dichlorprop	ND	87	EPA 8151A	7-3-20	7-7-20	
2,4-D	ND	12	EPA 8151A	7-3-20	7-7-20	
Pentachlorophenol	ND	5.9	EPA 8151A	7-3-20	7-7-20	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4,5-T	ND	12	EPA 8151A	7-3-20	7-7-20	
2,4-DB	ND	12	EPA 8151A	7-3-20	7-7-20	
Dinoseb	ND	12	EPA 8151A	7-3-20	7-7-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	73	18-119				



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 Project: 6694-002-03

TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
Arsenic	ND	12	EPA 6010D	7-7-20	7-7-20	
Cadmium	ND	0.61	EPA 6010D	7-7-20	7-7-20	
Chromium	17	0.61	EPA 6010D	7-7-20	7-7-20	
Copper	20	1.2	EPA 6010D	7-6-20	7-6-20	
Lead	130	6.1	EPA 6010D	7-7-20	7-7-20	
Mercury	0.073	0.031	EPA 7471B	7-8-20	7-8-20	
Nickel	24	3.1	EPA 6010D	7-7-20	7-7-20	
Selenium	ND	0.76	EPA 6020B	7-6-20	7-10-20	
Zinc	110	3.1	EPA 6010D	7-6-20	7-6-20	

Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
Arsenic	ND	14	EPA 6010D	7-7-20	7-7-20	
Cadmium	ND	0.68	EPA 6010D	7-7-20	7-7-20	
Chromium	24	0.68	EPA 6010D	7-7-20	7-7-20	
Copper	20	1.4	EPA 6010D	7-6-20	7-6-20	
Lead	120	6.8	EPA 6010D	7-7-20	7-7-20	
Mercury	0.18	0.034	EPA 7471B	7-8-20	7-8-20	
Nickel	31	3.4	EPA 6010D	7-7-20	7-7-20	
Selenium	ND	0.84	EPA 6020B	7-6-20	7-10-20	
Zinc	210	3.4	EPA 6010D	7-6-20	7-6-20	

Client ID:	STP-10-SP					
Laboratory ID:	07-008-03					
Arsenic	ND	13	EPA 6010D	7-7-20	7-7-20	
Cadmium	ND	0.65	EPA 6010D	7-7-20	7-7-20	
Chromium	28	0.65	EPA 6010D	7-7-20	7-7-20	
Copper	9.8	1.3	EPA 6010D	7-6-20	7-6-20	
Lead	24	6.5	EPA 6010D	7-7-20	7-7-20	
Mercury	0.039	0.032	EPA 7471B	7-8-20	7-8-20	
Nickel	33	3.2	EPA 6010D	7-7-20	7-7-20	
Selenium	ND	0.81	EPA 6020B	7-6-20	7-10-20	
Zinc	40	3.2	EPA 6010D	7-6-20	7-6-20	



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
Arsenic	ND	13	EPA 6010D	7-7-20	7-7-20	
Cadmium	ND	0.63	EPA 6010D	7-7-20	7-7-20	
Chromium	26	0.63	EPA 6010D	7-7-20	7-7-20	
Copper	33	1.3	EPA 6010D	7-6-20	7-6-20	
Lead	200	6.3	EPA 6010D	7-7-20	7-7-20	
Mercury	0.23	0.031	EPA 7471B	7-8-20	7-8-20	
Nickel	31	3.1	EPA 6010D	7-7-20	7-7-20	
Selenium	ND	0.79	EPA 6020B	7-6-20	7-10-20	
Zinc	350	3.1	EPA 6010D	7-6-20	7-6-20	

Client ID:	STP-03-15					
Laboratory ID:	07-008-05					
Arsenic	ND	13	EPA 6010D	7-7-20	7-7-20	
Cadmium	ND	0.63	EPA 6010D	7-7-20	7-7-20	
Chromium	23	0.63	EPA 6010D	7-7-20	7-7-20	
Copper	11	1.3	EPA 6010D	7-6-20	7-6-20	
Lead	ND	6.3	EPA 6010D	7-7-20	7-7-20	
Mercury	ND	0.031	EPA 7471B	7-8-20	7-8-20	
Nickel	42	3.1	EPA 6010D	7-7-20	7-7-20	
Selenium	ND	0.79	EPA 6020B	7-6-20	7-10-20	
Zinc	26	3.1	EPA 6010D	7-6-20	7-6-20	

Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
Arsenic	ND	18	EPA 6010D	7-7-20	7-7-20	
Cadmium	ND	0.88	EPA 6010D	7-7-20	7-7-20	
Chromium	25	0.88	EPA 6010D	7-7-20	7-7-20	
Copper	20	1.8	EPA 6010D	7-6-20	7-6-20	
Lead	110	8.8	EPA 6010D	7-7-20	7-7-20	
Mercury	0.11	0.044	EPA 7471B	7-8-20	7-8-20	
Nickel	31	4.4	EPA 6010D	7-7-20	7-7-20	
Selenium	ND	1.1	EPA 6020B	7-6-20	7-10-20	
Zinc	140	4.4	EPA 6010D	7-6-20	7-6-20	



Date of Report: July 13, 2020
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 Laboratory Reference: 2007-008
 Project: 6694-002-03

TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
Arsenic	ND	13	EPA 6010D	7-7-20	7-7-20	
Cadmium	ND	0.63	EPA 6010D	7-7-20	7-7-20	
Chromium	19	0.63	EPA 6010D	7-7-20	7-7-20	
Copper	19	1.3	EPA 6010D	7-6-20	7-6-20	
Lead	130	6.3	EPA 6010D	7-7-20	7-7-20	
Mercury	1.3	0.063	EPA 7471B	7-8-20	7-8-20	
Nickel	27	3.2	EPA 6010D	7-7-20	7-7-20	
Selenium	ND	0.79	EPA 6020B	7-6-20	7-10-20	
Zinc	370	3.2	EPA 6010D	7-6-20	7-6-20	

Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
Arsenic	ND	13	EPA 6010D	7-7-20	7-7-20	
Cadmium	ND	0.66	EPA 6010D	7-7-20	7-7-20	
Chromium	37	0.66	EPA 6010D	7-7-20	7-7-20	
Copper	23	1.3	EPA 6010D	7-6-20	7-6-20	
Lead	190	6.6	EPA 6010D	7-7-20	7-7-20	
Mercury	0.14	0.033	EPA 7471B	7-8-20	7-8-20	
Nickel	61	3.3	EPA 6010D	7-7-20	7-7-20	
Selenium	ND	0.83	EPA 6020B	7-6-20	7-10-20	
Zinc	230	3.3	EPA 6010D	7-6-20	7-6-20	

Client ID:	STP-08-3					
Laboratory ID:	07-008-09					
Arsenic	ND	12	EPA 6010D	7-7-20	7-7-20	
Cadmium	ND	0.62	EPA 6010D	7-7-20	7-7-20	
Chromium	23	0.62	EPA 6010D	7-7-20	7-7-20	
Copper	10	1.2	EPA 6010D	7-6-20	7-6-20	
Lead	68	6.2	EPA 6010D	7-7-20	7-7-20	
Mercury	0.37	0.031	EPA 7471B	7-8-20	7-8-20	
Nickel	31	3.1	EPA 6010D	7-7-20	7-7-20	
Selenium	ND	0.77	EPA 6020B	7-6-20	7-10-20	
Zinc	55	3.1	EPA 6010D	7-6-20	7-6-20	



Date of Report: July 13, 2020
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 Project: 6694-002-03

**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0702S1					
Gasoline	ND	5.0	NWTPH-Gx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	58-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-323-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				89	92	58-129		



Date of Report: July 13, 2020
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 Project: 6694-002-03

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0702S1					
Diesel Range Organics	ND	25	NWTPH-Dx	7-2-20	7-2-20	
Lube Oil Range Organics	ND	50	NWTPH-Dx	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	07-008-05							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				82	85	50-150		



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Chloromethane	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Vinyl Chloride	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Bromomethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Chloroethane	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Acetone	ND	0.010	EPA 8260D	7-1-20	7-1-20	
Iodomethane	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Carbon Disulfide	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Methylene Chloride	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Vinyl Acetate	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
2-Butanone	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Bromochloromethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Chloroform	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Benzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Trichloroethene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Dibromomethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Bromodichloromethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Toluene	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Tetrachloroethene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
2-Hexanone	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Dibromochloromethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Chlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Ethylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
m,p-Xylene	ND	0.0020	EPA 8260D	7-1-20	7-1-20	
o-Xylene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Styrene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Bromoform	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Isopropylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Bromobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
n-Propylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
2-Chlorotoluene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
4-Chlorotoluene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
tert-Butylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
sec-Butylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
n-Butylbenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
Naphthalene	ND	0.0050	EPA 8260D	7-1-20	7-1-20	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	7-1-20	7-1-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>109</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0702S2					
Dichlorodifluoromethane	ND	0.0015	EPA 8260D	7-2-20	7-2-20	
Chloromethane	ND	0.0078	EPA 8260D	7-2-20	7-2-20	
Vinyl Chloride	ND	0.0014	EPA 8260D	7-2-20	7-2-20	
Bromomethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Chloroethane	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Acetone	ND	0.010	EPA 8260D	7-2-20	7-2-20	
Iodomethane	ND	0.0071	EPA 8260D	7-2-20	7-2-20	
Carbon Disulfide	ND	0.0013	EPA 8260D	7-2-20	7-2-20	
Methylene Chloride	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Vinyl Acetate	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
2-Butanone	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Bromochloromethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Chloroform	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Benzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Trichloroethene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Dibromomethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Bromodichloromethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Toluene	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0702S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Tetrachloroethene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
2-Hexanone	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Dibromochloromethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Chlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Ethylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
m,p-Xylene	ND	0.0020	EPA 8260D	7-2-20	7-2-20	
o-Xylene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Styrene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Bromoform	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Isopropylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Bromobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
n-Propylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
2-Chlorotoluene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
4-Chlorotoluene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
tert-Butylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
sec-Butylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
n-Butylbenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
Naphthalene	ND	0.0050	EPA 8260D	7-2-20	7-2-20	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>71-130</i>				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0701S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0518	0.0524	0.0500	0.0500	104	105	55-126	1	17	
Benzene	0.0492	0.0509	0.0500	0.0500	98	102	65-121	3	16	
Trichloroethene	0.0517	0.0546	0.0500	0.0500	103	109	74-126	5	16	
Toluene	0.0495	0.0540	0.0500	0.0500	99	108	71-121	9	16	
Chlorobenzene	0.0483	0.0512	0.0500	0.0500	97	102	72-123	6	15	
<i>Surrogate:</i>										
Dibromofluoromethane					103	98	74-131			
Toluene-d8					101	104	78-128			
4-Bromofluorobenzene					99	99	71-130			
Laboratory ID:	SB0702S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0405	0.0427	0.0500	0.0500	81	85	55-126	5	17	
Benzene	0.0426	0.0441	0.0500	0.0500	85	88	65-121	3	16	
Trichloroethene	0.0433	0.0450	0.0500	0.0500	87	90	74-126	4	16	
Toluene	0.0415	0.0433	0.0500	0.0500	83	87	71-121	4	16	
Chlorobenzene	0.0451	0.0464	0.0500	0.0500	90	93	72-123	3	15	
<i>Surrogate:</i>										
Dibromofluoromethane					102	102	74-131			
Toluene-d8					103	102	78-128			
4-Bromofluorobenzene					102	102	71-130			



Date of Report: July 13, 2020
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 Project: 6694-002-03

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Pyridine	ND	0.33	EPA 8270E	7-1-20	7-1-20	
Phenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Aniline	ND	0.17	EPA 8270E	7-1-20	7-1-20	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Chlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Benzyl alcohol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	7-1-20	7-1-20	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	7-1-20	7-1-20	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	7-1-20	7-1-20	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Hexachloroethane	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Nitrobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Isophorone	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Nitrophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Naphthalene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
4-Chloroaniline	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Hexachlorobutadiene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Hexachlorocyclopentadiene	ND	0.066	EPA 8270E	7-1-20	7-1-20	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Chloronaphthalene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2-Nitroaniline	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Dimethylphthalate	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
3-Nitroaniline	ND	0.033	EPA 8270E	7-1-20	7-1-20	



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S1					
2,4-Dinitrophenol	ND	0.37	EPA 8270E	7-1-20	7-1-20	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
4-Nitrophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Dibenzofuran	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Diethylphthalate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	7-1-20	7-1-20	
4-Nitroaniline	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Fluorene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
4,6-Dinitro-2-methylphenol	ND	0.29	EPA 8270E	7-1-20	7-1-20	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	7-1-20	7-1-20	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	7-1-20	7-1-20	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Hexachlorobenzene	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Pentachlorophenol	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Anthracene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Carbazole	ND	0.033	EPA 8270E	7-1-20	7-1-20	
Di-n-butylphthalate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Pyrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Butylbenzylphthalate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Chrysene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Di-n-octylphthalate	ND	0.17	EPA 8270E	7-1-20	7-1-20	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	7-1-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	78	22 - 109				
Phenol-d6	88	36 - 110				
Nitrobenzene-d5	89	31 - 109				
2-Fluorobiphenyl	83	45 - 107				
2,4,6-Tribromophenol	79	43 - 124				
Terphenyl-d14	78	52 - 118				



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits		RPD	Limit	
MATRIX SPIKES											
Laboratory ID:	06-338-07										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.813	0.767	1.33	1.33	ND	61	58	30 - 108	6	37	
2-Chlorophenol	0.784	0.761	1.33	1.33	ND	59	57	30 - 113	3	39	
1,4-Dichlorobenzene	0.399	0.372	0.667	0.667	ND	60	56	24 - 116	7	35	
n-Nitroso-di-n-propylamine	0.463	0.445	0.667	0.667	ND	69	67	34 - 112	4	34	
1,2,4-Trichlorobenzene	0.396	0.374	0.667	0.667	ND	59	56	34 - 115	6	38	
4-Chloro-3-methylphenol	0.897	0.895	1.33	1.33	ND	67	67	41 - 117	0	26	
Acenaphthene	0.366	0.352	0.667	0.667	ND	55	53	41 - 111	4	21	
4-Nitrophenol	1.05	1.03	1.33	1.33	ND	79	77	30 - 127	2	32	
2,4-Dinitrotoluene	0.383	0.366	0.667	0.667	ND	57	55	32 - 114	5	30	
Pentachlorophenol	0.816	0.778	1.33	1.33	ND	61	58	36 - 147	5	37	
Pyrene	0.416	0.405	0.667	0.667	ND	62	61	33 - 127	3	33	
<i>Surrogate:</i>											
2-Fluorophenol						67	63	22 - 109			
Phenol-d6						75	72	36 - 110			
Nitrobenzene-d5						74	73	31 - 109			
2-Fluorobiphenyl						65	64	45 - 107			
2,4,6-Tribromophenol						69	69	43 - 124			
Terphenyl-d14						65	63	52 - 118			



Date of Report: July 13, 2020
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 Project: 6694-002-03

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0702S1					
Aroclor 1016	ND	0.050	EPA 8082A	7-2-20	7-2-20	
Aroclor 1221	ND	0.050	EPA 8082A	7-2-20	7-2-20	
Aroclor 1232	ND	0.050	EPA 8082A	7-2-20	7-2-20	
Aroclor 1242	ND	0.050	EPA 8082A	7-2-20	7-2-20	
Aroclor 1248	ND	0.050	EPA 8082A	7-2-20	7-2-20	
Aroclor 1254	ND	0.050	EPA 8082A	7-2-20	7-2-20	
Aroclor 1260	ND	0.050	EPA 8082A	7-2-20	7-2-20	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	106		46-125			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	07-008-05										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.398	0.396	0.500	0.500	ND	80	79	43-125	1	15	
Surrogate:											
DCB						100	98	46-125			



Date of Report: July 13, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008
 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0702S1					
alpha-BHC	ND	5.0	EPA 8081B	7-2-20	7-2-20	
gamma-BHC	ND	5.0	EPA 8081B	7-2-20	7-2-20	
beta-BHC	ND	5.0	EPA 8081B	7-2-20	7-2-20	
delta-BHC	ND	5.0	EPA 8081B	7-2-20	7-2-20	
Heptachlor	ND	5.0	EPA 8081B	7-2-20	7-2-20	
Aldrin	ND	5.0	EPA 8081B	7-2-20	7-2-20	
Heptachlor Epoxide	ND	5.0	EPA 8081B	7-2-20	7-2-20	
gamma-Chlordane	ND	5.0	EPA 8081B	7-2-20	7-2-20	
alpha-Chlordane	ND	10	EPA 8081B	7-2-20	7-2-20	
4,4'-DDE	ND	10	EPA 8081B	7-2-20	7-2-20	
Endosulfan I	ND	5.0	EPA 8081B	7-2-20	7-2-20	
Dieldrin	ND	10	EPA 8081B	7-2-20	7-2-20	
Endrin	ND	5.0	EPA 8081B	7-2-20	7-2-20	
4,4'-DDD	ND	10	EPA 8081B	7-2-20	7-2-20	
Endosulfan II	ND	10	EPA 8081B	7-2-20	7-2-20	
4,4'-DDT	ND	10	EPA 8081B	7-2-20	7-2-20	
Endrin Aldehyde	ND	10	EPA 8081B	7-2-20	7-2-20	
Methoxychlor	ND	10	EPA 8081B	7-2-20	7-2-20	
Endosulfan Sulfate	ND	10	EPA 8081B	7-2-20	7-2-20	
Endrin Ketone	ND	10	EPA 8081B	7-2-20	7-2-20	
Toxaphene	ND	50	EPA 8081B	7-2-20	7-2-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	84	33-97				
DCB	103	36-115				



Date of Report: July 13, 2020
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 Project: 6694-002-03

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Limit	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits					
MATRIX SPIKES												
Laboratory ID:	07-008-05											
	MS	MSD	MS	MSD		MS	MSD					
alpha-BHC	86.8	98.8	100	100	ND	87	99	36-123	13	21		
gamma-BHC	87.6	97.8	100	100	ND	88	98	38-121	11	21		
beta-BHC	82.2	94.6	100	100	ND	82	95	31-125	14	21		
delta-BHC	86.6	96.9	100	100	ND	87	97	37-118	11	23		
Heptachlor	77.3	86.8	100	100	ND	77	87	37-123	12	24		
Aldrin	83.5	89.6	100	100	ND	83	90	44-112	7	22		
Heptachlor Epoxide	82.7	92.6	100	100	ND	83	93	46-110	11	22		
gamma-Chlordane	83.4	92.7	100	100	ND	83	93	45-112	11	23		
alpha-Chlordane	81.2	90.5	100	100	ND	81	91	47-106	11	23		
4,4'-DDE	85.9	93.8	100	100	ND	86	94	34-139	9	22		
Endosulfan I	61.9	69.5	100	100	ND	62	70	46-115	12	25		
Dieldrin	84.3	92.5	100	100	ND	84	92	48-115	9	23		
Endrin	86.8	94.5	100	100	ND	87	94	44-120	8	28		
4,4'-DDD	87.3	99.6	100	100	ND	87	100	42-131	13	21		
Endosulfan II	86.3	94.8	100	100	ND	86	95	47-109	9	22		
4,4'-DDT	90.9	100	100	100	ND	91	100	29-135	10	32		
Endrin Aldehyde	83.3	89.4	100	100	ND	83	89	45-99	7	22		
Methoxychlor	85.6	95.5	100	100	ND	86	95	40-132	11	22		
Endosulfan Sulfate	85.1	94.3	100	100	ND	85	94	47-105	10	21		
Endrin Ketone	86.5	96.3	100	100	ND	87	96	46-115	11	22		
Surrogate:												
TCMX						78	88	33-97				
DCB						81	93	36-115				



Date of Report: July 13, 2020
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 Laboratory Reference: 2007-008
 Project: 6694-002-03

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0703S1					
Dalapon	ND	180	EPA 8151A	7-3-20	7-3-20	
Dicamba	ND	9.4	EPA 8151A	7-3-20	7-3-20	
MCPPE	ND	940	EPA 8151A	7-3-20	7-3-20	
MCPA	ND	2300	EPA 8151A	7-3-20	7-3-20	
Dichlorprop	ND	71	EPA 8151A	7-3-20	7-3-20	
2,4-D	ND	9.4	EPA 8151A	7-3-20	7-3-20	
Pentachlorophenol	ND	4.8	EPA 8151A	7-3-20	7-3-20	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	7-3-20	7-3-20	
2,4,5-T	ND	9.5	EPA 8151A	7-3-20	7-3-20	
2,4-DB	ND	9.5	EPA 8151A	7-3-20	7-3-20	
Dinoseb	ND	9.5	EPA 8151A	7-3-20	7-3-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	67	18-119				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES								
Laboratory ID:	06-338-07							
	MS	MSD	MS	MSD	MS	MSD		
Dalapon	338	575	1250	1250	ND	27	46	10-83 52 30 L
Dicamba	208	242	250	250	ND	83	97	31-107 15 23
MCPPE	25200	25700	25000	25000	ND	101	103	36-134 2 32
MCPA	23900	24500	25000	25000	ND	96	98	26-121 2 35
Dichlorprop	233	245	250	250	ND	93	98	24-116 5 27
2,4-D	196	203	250	250	ND	79	81	10-116 4 21
Pentachlorophenol	26.1	26.9	25.0	25.0	ND	105	107	13-112 3 30
2,4,5-TP (Silvex)	256	270	250	250	ND	103	108	40-124 5 23
2,4,5-T	241	256	250	250	ND	96	103	19-138 6 24
2,4-DB	238	241	250	250	ND	95	97	14-141 1 29
Dinoseb	250	238	250	250	ND	100	95	12-115 5 23
<i>Surrogate:</i>								
DCAA					97	99	18-119	



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 Laboratory Reference: 2007-008
 Project: 6694-002-03

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0706SM1					
Copper	ND	1.0	EPA 6010D	7-6-20	7-6-20	
Zinc	ND	2.5	EPA 6010D	7-6-20	7-6-20	
Laboratory ID:	MB0706SM1					
Selenium	ND	0.63	EPA 6020B	7-6-20	7-10-20	
Laboratory ID:	MB0707SM1					
Arsenic	ND	10	EPA 6010D	7-7-20	7-7-20	
Cadmium	ND	0.50	EPA 6010D	7-7-20	7-7-20	
Chromium	ND	0.50	EPA 6010D	7-7-20	7-7-20	
Lead	ND	5.0	EPA 6010D	7-7-20	7-7-20	
Nickel	ND	2.5	EPA 6010D	7-7-20	7-7-20	
Laboratory ID:	MB0708S1					
Mercury	ND	0.025	EPA 7471B	7-8-20	7-8-20	



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**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	07-008-03							
	ORIG	DUP						
Arsenic	ND	ND	NA	NA	NA	NA	20	
Cadmium	ND	ND	NA	NA	NA	NA	20	
Chromium	21.9	21.8	NA	NA	NA	0	20	
Lead	18.6	16.1	NA	NA	NA	14	20	
Nickel	25.3	26.8	NA	NA	NA	6	20	
Laboratory ID:	07-008-03							
Mercury	0.0301	0.0448	NA	NA	NA	39	20	C
Laboratory ID:	07-008-03							
	ORIG	DUP						
Copper	7.55	7.75	NA	NA	NA	3	20	
Zinc	31.1	30.1	NA	NA	NA	3	20	
Laboratory ID:	07-008-03							
	ORIG	DUP						
Selenium	ND	ND	NA	NA	NA	NA	20	



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**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	07-008-03										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	86.8	85.1	100	100	ND	87	85	75-125	2	20	
Cadmium	42.3	41.5	50.0	50.0	ND	85	83	75-125	2	20	
Chromium	105	105	100	100	21.9	83	83	75-125	0	20	
Lead	242	234	250	250	18.6	89	86	75-125	3	20	
Nickel	108	112	100	100	25.3	83	86	75-125	3	20	
Laboratory ID:	07-008-03										
Mercury	0.517	0.498	0.500	0.500	0.0301	97	94	80-120	4	20	
Laboratory ID:	07-008-03										
	MS	MSD	MS	MSD		MS	MSD				
Copper	52.3	51.9	50.0	50.0	7.55	90	89	75-125	1	20	
Zinc	114	114	100	100	31.1	83	83	75-125	0	20	
Laboratory ID:	07-008-03										
	MS	MSD	MS	MSD		MS	MSD				
Selenium	95.3	94.5	100	100	ND	95	95	75-125	1	20	



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% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
STP-12-7	07-008-01	18	7-1-20
STP-11-2	07-008-02	26	7-1-20
STP-10-SP	07-008-03	23	7-1-20
STP-02-11	07-008-04	21	7-1-20
STP-03-15	07-008-05	21	7-1-20
STP-04-15	07-008-06	43	7-1-20
STP-05-10	07-008-07	21	7-1-20
STP-06-15	07-008-08	24	7-1-20
STP-06-3	07-008-09	19	7-1-20





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





MVA Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3981 • www.onsite-env.com

Chain of Custody

Terraround Request
(in working days)

(Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 5-6 Days (other)

Laboratory Number: **07-008**

Company: Geo Engineers
 Project Number: 6694-002-08
 Project Name: 60 East Leach Hill
 Project Manager: Rob Leach
 Sampled by: [Signature]

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	STP-12-7	6/5/05	0850	S	6
2	STP-11-2		0908		
3	STP-10-SP		0950		
4	STP-02-11		1035		
5	STP-03-15		1115		
6	STP-04-15		1145		
7	STP-05-10		1240		
8	STP-06-15		1315		
9	STP-08-3		1340		

Date	Time	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture	
7/1/05	0905	S	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7/1/05	0905			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7/1/05	0905			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7/1/05	0905			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7/1/05	0905			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7/1/05	0905			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7/1/05	0905			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7/1/05	0905			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Signature	Company	Date	Time	Comments/Special Instructions
[Signature]	GEI	7/1/05	0905	As Arsenic, Cadmium, Chromium, Copper, Lead, Mercury/Nickel, Silver, Zinc
[Signature]	Spdy	7/1/05	0905	
[Signature]	Spdy	7/1/05	1120	
[Signature]	GEI	7/1/05	1120	

Relinquished _____
 Received _____
 Relinquished _____
 Received _____
 Relinquished _____
 Received _____
 Relinquished _____
 Received _____
 Relinquished _____
 Received _____

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 17, 2020

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03
Laboratory Reference No. 2006-338B

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on June 30, 2020.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 17, 2020
Samples Submitted: June 30, 2020
Laboratory Reference: 2006-338B
Project: 6694-002-03

Case Narrative

Samples were collected on June 29, 2020 and received by the laboratory on June 30, 2020. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: July 17, 2020
Samples Submitted: June 30, 2020
Laboratory Reference: 2006-338B
Project: 6694-002-03

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
STP-01-20	06-338-01	Soil	6-29-20	6-30-20	
STP-07-15	06-338-11	Soil	6-29-20	6-30-20	



Date of Report: July 17, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338B
 Project: 6694-002-03

TCLP LEAD
EPA 1311/6010D

Matrix: TCLP Extract
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
Lead	ND	0.20	EPA 6010D	7-14-20	7-14-20	

Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
Lead	ND	0.20	EPA 6010D	7-14-20	7-14-20	



Date of Report: July 17, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338B
 Project: 6694-002-03

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx with Acid/Silica gel clean-up

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-01-20					
Laboratory ID:	06-338-01					
Diesel Range Organics	ND	150	NWTPH-Dx	7-1-20	7-10-20	X1
Lube Oil	1500	300	NWTPH-Dx	7-1-20	7-10-20	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				
Client ID:	STP-07-15					
Laboratory ID:	06-338-11					
Diesel Range Organics	ND	29	NWTPH-Dx	7-1-20	7-10-20	U1,X1
Lube Oil	340	55	NWTPH-Dx	7-1-20	7-10-20	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				



Date of Report: July 17, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338B
 Project: 6694-002-03

**TCLP LEAD
 EPA 1311/6010D
 QUALITY CONTROL**

Matrix: TCLP Extract
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0714TM1					
Lead	ND	0.20	EPA 6010D	7-14-20	7-14-20	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	07-097-01							
	ORIG	DUP						
Lead	0.486	0.476	NA	NA	NA	2	20	

MATRIX SPIKES

Laboratory ID:	07-097-01								
	MS	MSD	MS	MSD	MS	MSD			
Lead	9.52	9.55	10.0	10.0	0.486	90	91	75-125	0 20



Date of Report: July 17, 2020
 Samples Submitted: June 30, 2020
 Laboratory Reference: 2006-338B
 Project: 6694-002-03

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx with Acid/Silica gel clean-up
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701S1					
Diesel Range Organics	ND	25	NWTPH-Dx	7-1-20	7-10-20	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	7-1-20	7-10-20	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags	
DUPLICATE									
Laboratory ID:	SB0701S1								
	ORIG	DUP							
Diesel Fuel #2	120	106	NA	NA	NA	NA	12	NA	X1
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA	X1
<i>Surrogate:</i>									
<i>o-Terphenyl</i>				103	97	50-150			





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





MVA Onsite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 833-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(in working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)

5-6 Days
(other)

Laboratory Number: **06-338**

Company: Geo Engineers

Project Number: 6694-002-03

Project Name: 50 East-Landfill

Project Manager: Rick Leat

Sampled by: RS

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	STR-01-#20	6/24/20	0920	S	6
2	FE:11-03-3		1000		
3	FE:11-02-3		1007		
4	FE:11-01-3		1020		
5	FE:11-04-3		1110		
6	FE:11-05-3		1120		
7	FE:11-06-3		1140		
8	FE:11-08-3		1155		
9	FE:11-09-3		1205		
10	FE:11-10-3		1255		

Parameter	1	2	3	4	5	6	7	8	9	10
NWTPH-HCID										
NWTPH-Gx/BTEX										
NWTPH-Gx	X	X	X							
NWTPH-Dx (Acid / SG Clean-up)										
Volatiles 8260C	X	X	X							
Halogenated Volatiles 8260C										
EDB EPA 8011 (Waters Only)										
Semivolatiles 8270D/SIM (with low-level PAHs)	X	X	X							
PAHs 8270D/SIM (low-level)	X	X	X							
PCBs 8082A	X	X	X							
Organochlorine Pesticides 8081B	X	X	X							
Organophosphorus Pesticides 8270D/SIM	X	X	X							
Chlorinated Acid Herbicides 8151A	X	X	X							
Total RCRA Metals										
Total MTCA Metals										
TCLP Metals	X	X	X							
HEM (oil and grease) 1664A										
% Moisture										

Relinquished

Received

Relinquished

Received

Relinquished

Received

Relinquished

Signature

Company

Signature

Date

Time

Comments/Special Instructions

① ArSeries, Cd, Cr, Ni, Chromium, copper, Lead, mercury, nickel, selenium, zinc

(X) Added Thio BA

5 day TA

Relinquished

Received

Relinquished

Received

Relinquished

Received

Relinquished

Signature

Company

Date

Time

Comments/Special Instructions

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



OnSite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)

(Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 # 5-6 Days (other)

Laboratory Number:

06-338

Company: Geo Engineers
 Project Number: 6694-002-03
 Project Name: 60 East Lend #11
 Project Manager: Rob Leat
 Sampled by: JB

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
11	STP-07-15	6/24/20	1250	S
12	STP-09-2		1320	S
13	STP-01 + EST-01-1		1345	S
14	Fill-07-1		1400	S
15	Dup-1-200629		0600	S

Number of Containers

Test Method	11	12	13	14	15
NWTPH-HCID					
NWTPH-Gx/BTEX					
NWTPH-Gx					
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)					
Volatiles 8260C	X	X	X	X	X
Halogenated Volatiles 8260C	X	X	X	X	X
EDB EPA 8011 (Waters Only)	X	X	X	X	X
Semivolatiles 8270D/SIM (with low-level PAHs)	X	X	X	X	X
PAHs 8270D/SIM (low-level)	X	X	X	X	X
PCBs 8082A	X	X	X	X	X
Organochlorine Pesticides 8081B	X	X	X	X	X
Organophosphorus Pesticides 8270D/SIM	X	X	X	X	X
Chlorinated Acid Herbicides 8151A	X	X	X	X	X
Total RCRA Metals	X	X	X	X	X
Total MTCA Metals	X	X	X	X	X
TCLP Metals	X	X	X	X	X
HEM (oil and grease) 1664A	X	X	X	X	X
Total Metals	X	X	X	X	X
Dx with SG/Ac	X	X	X	X	X
% Moisture					

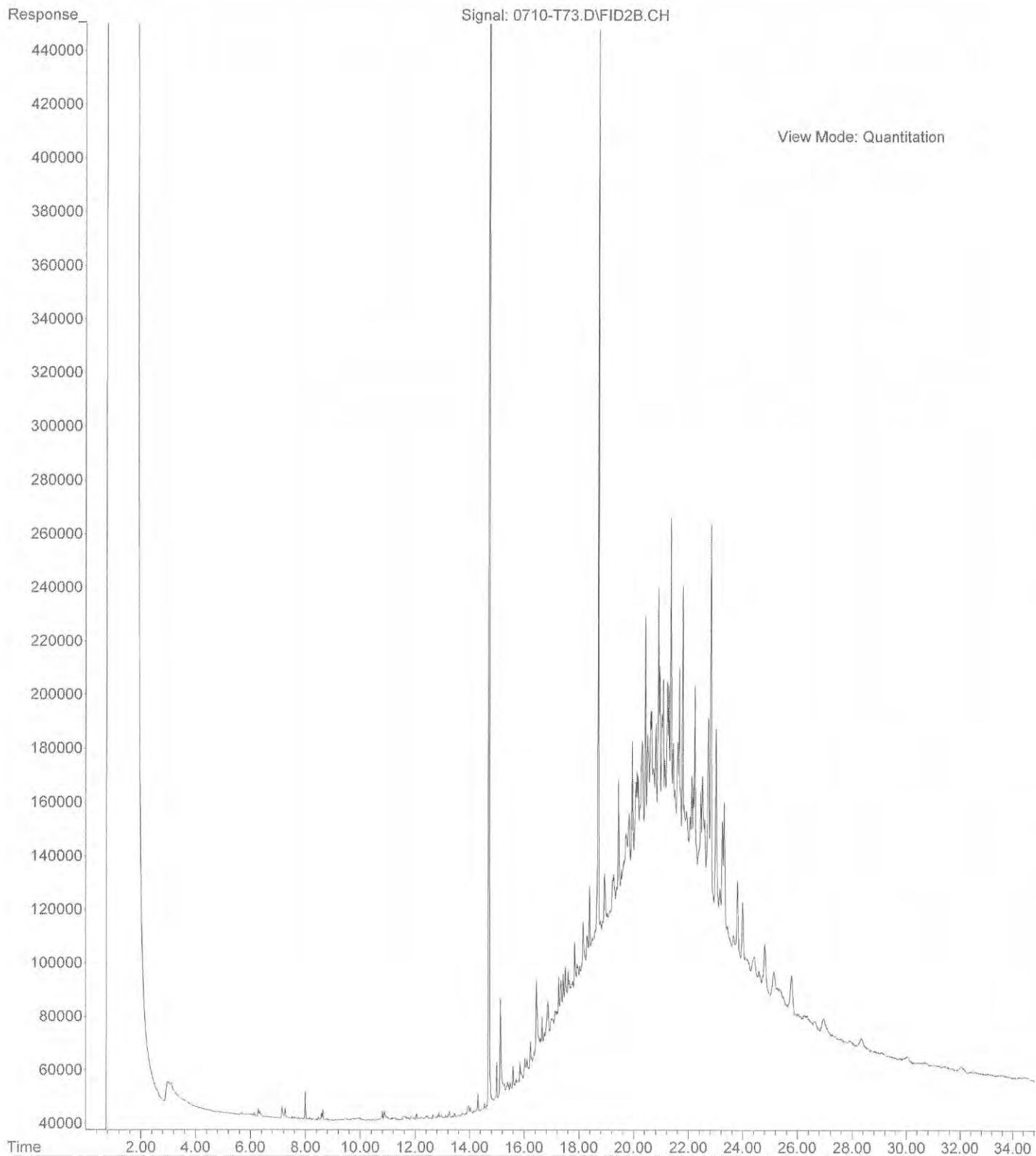
Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	GESE	6/30/20	8:30	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc.
<i>[Signature]</i>	SPESBY	6/30/20	8:30	
<i>[Signature]</i>	"	6/30/20	10:50	
<i>[Signature]</i>	DSE	6/30/20	10:50	
<i>[Signature]</i>	DSE	6/30/20	10:50	

Relinquished _____
 Received _____
 Relinquished _____
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 Relinquished _____
 Received _____

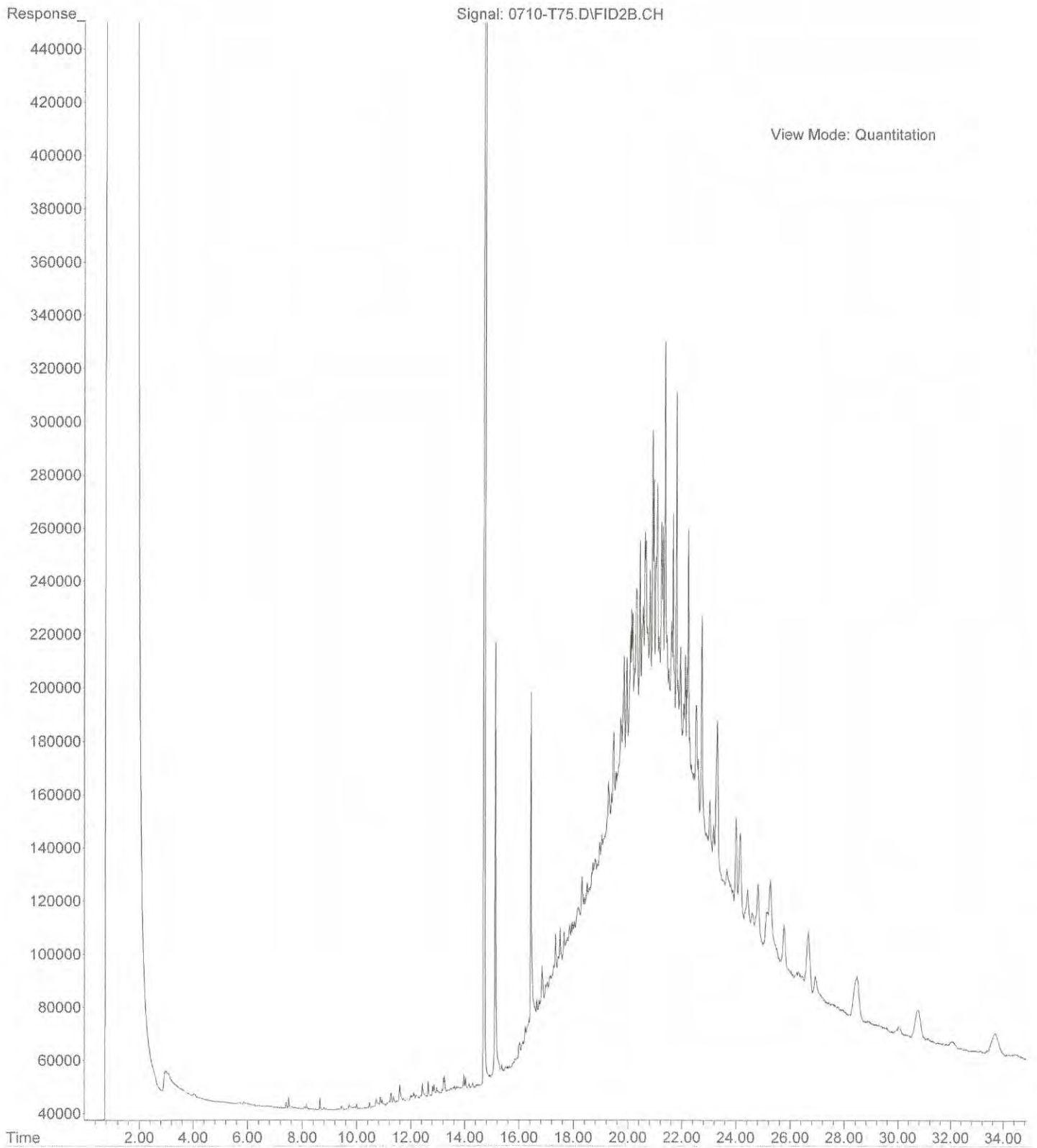
Reviewed/Date _____
 Reviewed/Date _____
 Reviewed/Date _____

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)

File :X:\DIESELS\TERI\DATA\T200710.SEC\0710-T73.D
Operator : JT
Acquired : 10 Jul 2020 23:39 using AcqMethod T200106F.M
Instrument : Teri
Sample Name: 06-338-01 ACU
Misc Info :
Vial Number: 73



File :X:\DIESELS\TERI\DATA\T200710.SEC\0710-T75.D
Operator : JT
Acquired : 11 Jul 2020 1:04 using AcqMethod T200106F.M
Instrument : Teri
Sample Name: 06-338-11 ACU
Misc Info :
Vial Number: 75





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 17, 2020

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03
Laboratory Reference No. 2007-008B

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on July 1, 2020.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 17, 2020
Samples Submitted: July 1, 2020
Laboratory Reference: 2007-008B
Project: 6694-002-03

Case Narrative

Samples were collected on June 30, 2020 and received by the laboratory on July 1, 2020. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: July 17, 2020
Samples Submitted: July 1, 2020
Laboratory Reference: 2007-008B
Project: 6694-002-03

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
STP-12-7	07-008-01	Soil	6-30-20	7-1-20	
STP-11-2	07-008-02	Soil	6-30-20	7-1-20	
STP-02-11	07-008-04	Soil	6-30-20	7-1-20	
STP-04-15	07-008-06	Soil	6-30-20	7-1-20	
STP-05-10	07-008-07	Soil	6-30-20	7-1-20	
STP-06-15	07-008-08	Soil	6-30-20	7-1-20	



Date of Report: July 17, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008B
 Project: 6694-002-03

TCLP METALS
EPA 1311/6010D/7470A

Matrix: TCLP Extract
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
Lead	ND	0.20	EPA 6010D	7-14-20	7-14-20	

Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
Lead	ND	0.20	EPA 6010D	7-14-20	7-14-20	

Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
Lead	ND	0.20	EPA 6010D	7-14-20	7-14-20	

Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
Lead	ND	0.20	EPA 6010D	7-14-20	7-14-20	

Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
Lead	0.57	0.20	EPA 6010D	7-14-20	7-14-20	
Mercury	ND	0.0050	EPA 7470A	7-15-20	7-15-20	

Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
Lead	ND	0.20	EPA 6010D	7-14-20	7-14-20	



Date of Report: July 17, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008B
 Project: 6694-002-03

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx with Acid/Silica gel clean-up**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	STP-12-7					
Laboratory ID:	07-008-01					
Diesel Range Organics	ND	150	NWTPH-Dx	7-2-20	7-10-20	X1
Lube Oil	580	310	NWTPH-Dx	7-2-20	7-10-20	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	88	50-150				
Client ID:	STP-11-2					
Laboratory ID:	07-008-02					
Diesel Range Organics	ND	340	NWTPH-Dx	7-2-20	7-17-20	X1
Lube Oil	1800	680	NWTPH-Dx	7-2-20	7-17-20	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	---	50-150				S
Client ID:	STP-02-11					
Laboratory ID:	07-008-04					
Diesel Range Organics	ND	790	NWTPH-Dx	7-2-20	7-17-20	X1
Lube Oil	6900	1600	NWTPH-Dx	7-2-20	7-17-20	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	---	50-150				S
Client ID:	STP-04-15					
Laboratory ID:	07-008-06					
Diesel Range Organics	ND	61	NWTPH-Dx	7-2-20	7-10-20	U1,X1
Lube Oil	510	88	NWTPH-Dx	7-2-20	7-10-20	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				
Client ID:	STP-05-10					
Laboratory ID:	07-008-07					
Diesel Range Organics	ND	32	NWTPH-Dx	7-2-20	7-10-20	X1
Lube Oil	250	63	NWTPH-Dx	7-2-20	7-10-20	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				
Client ID:	STP-06-15					
Laboratory ID:	07-008-08					
Diesel Range Organics	ND	170	NWTPH-Dx	7-2-20	7-10-20	X1
Lube Oil	520	330	NWTPH-Dx	7-2-20	7-10-20	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				



Date of Report: July 17, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008B
 Project: 6694-002-03

**TCLP METALS
 EPA 1311/6010D/7470A
 QUALITY CONTROL**

Matrix: TCLP Extract
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0714TM1					
Lead	ND	0.20	EPA 6010D	7-14-20	7-14-20	
Laboratory ID:	MB0715T1					
Mercury	ND	0.0050	EPA 7470A	7-15-20	7-15-20	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	07-097-01							
	ORIG	DUP						
Lead	0.486	0.476	NA	NA	NA	NA	2	20
Laboratory ID:	07-008-07							
Mercury	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	07-097-01									
	MS	MSD	MS	MSD		MS	MSD			
Lead	9.52	9.55	10.0	10.0	0.486	90	91	75-125	0	20
Laboratory ID:	07-008-07									
Mercury	0.0475	0.0458	0.0500	0.0500	ND	95	92	75-125	4	20



Date of Report: July 17, 2020
 Samples Submitted: July 1, 2020
 Laboratory Reference: 2007-008B
 Project: 6694-002-03

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx with Acid/Silica gel clean-up
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0702S1					
Diesel Range Organics	ND	25	NWTPH-Dx	7-2-20	7-10-20	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	7-2-20	7-10-20	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>101</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags	
DUPLICATE									
Laboratory ID:	SB0702S1								
	ORIG	DUP							
Diesel Fuel #2	113	110	NA	NA	NA	NA	3	NA	X1
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA	X1
<i>Surrogate:</i>									
<i>o-Terphenyl</i>				109	106	50-150			





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





MVA Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)
 (Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

45-60 Days
 (other)

Laboratory Number: **07-008**

Company: Geo Engineers
 Project Number: 6654-002-08
 Project Name: 60 East Leach II
 Project Manager: Rick Lett
 Sampled by: RD

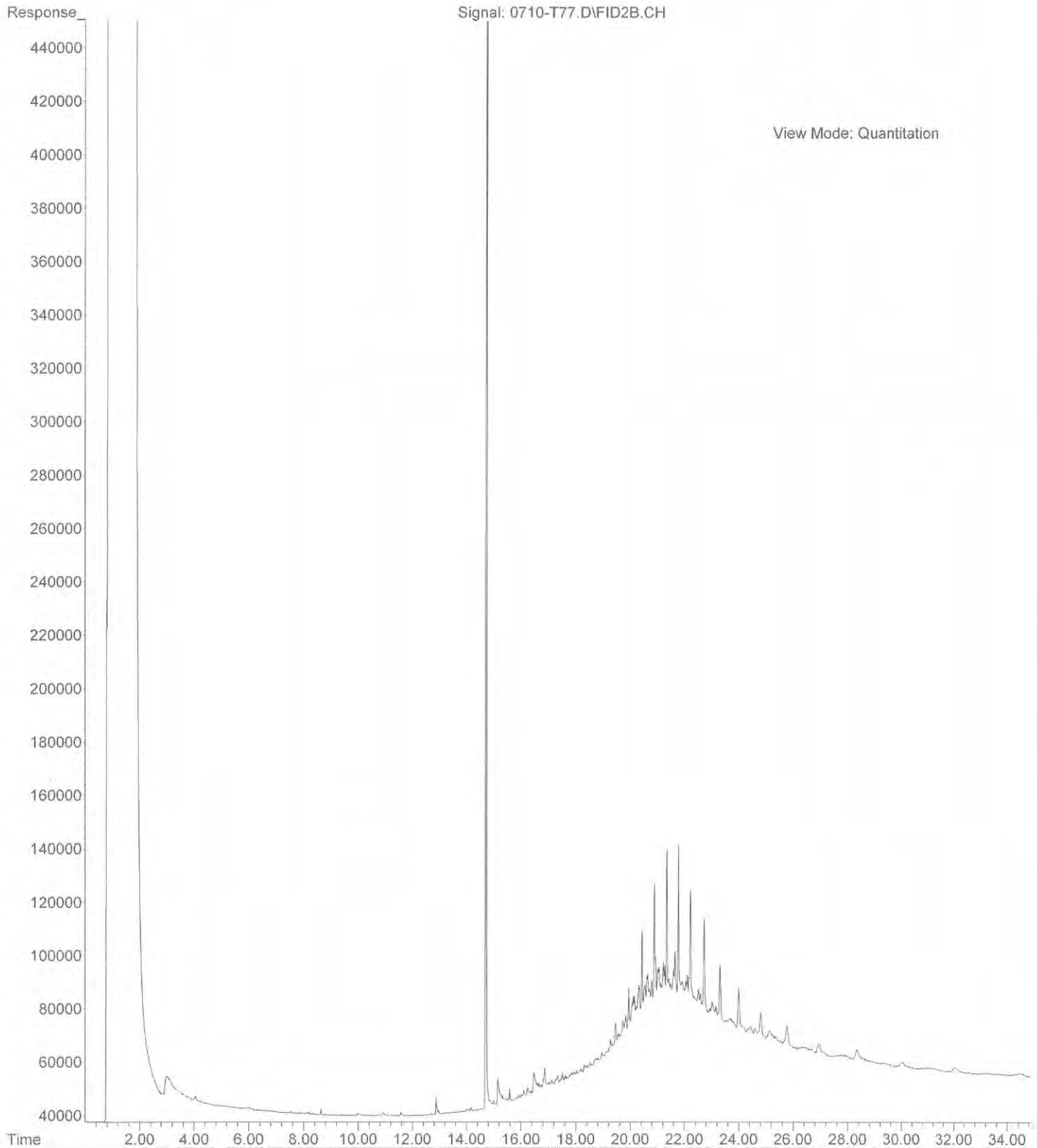
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3	STP-10-SP		0950	
4	STP-02-11		1035	
5	STP-03-15		1115	
6	STP-04-15		1145	
7	STP-05-10		1240	
8	STP-06-15		1315	
9	STP-08-3		1340	

Number of Containers

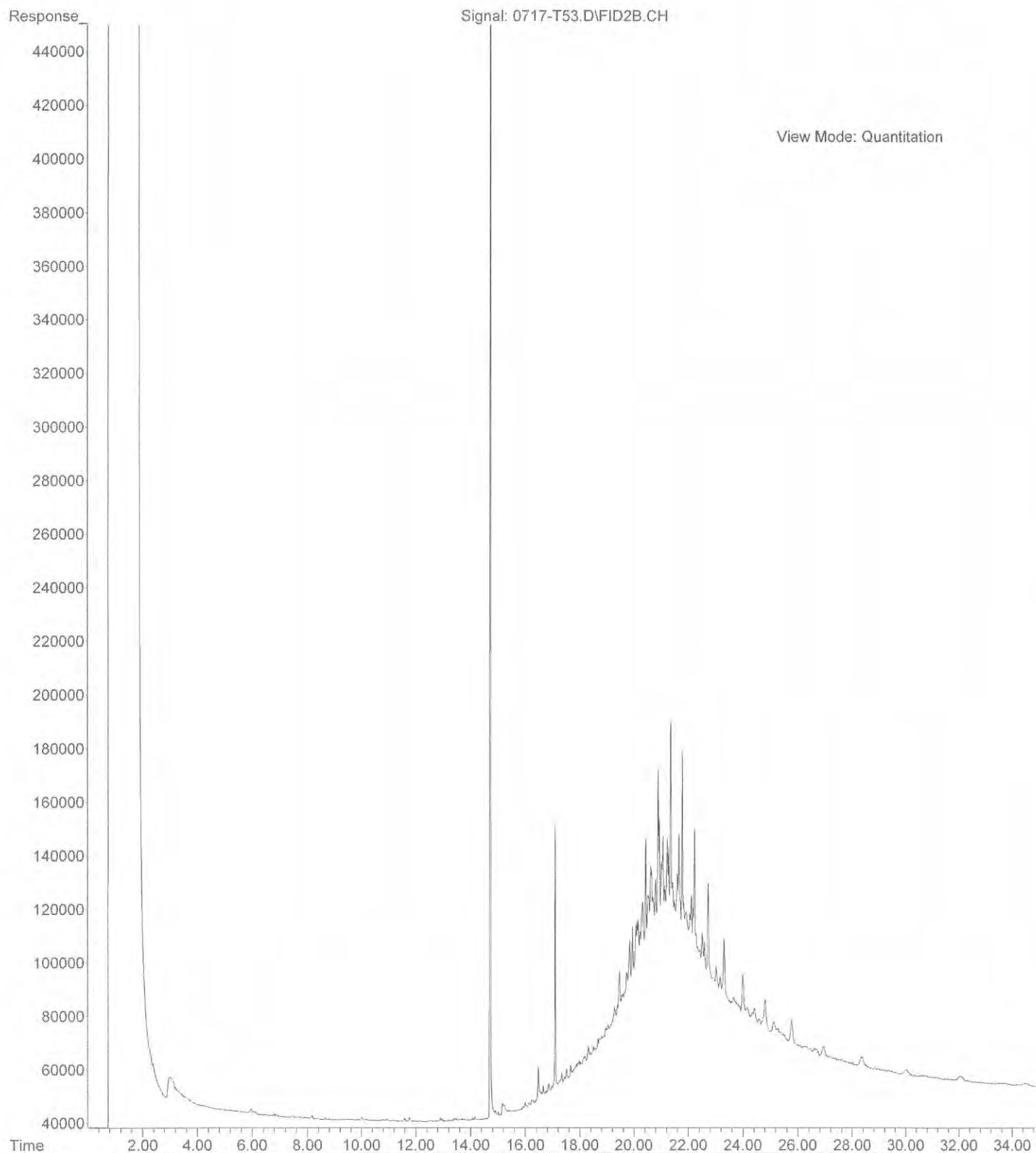
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NWTPH-HCID									
NWTPH-Gx/BTEX									
NWTPH-Gx	X	X	X	X	X	X	X	X	X
NWTPH-Dx (Acid / SG Clean-up)									
Volatiles 8260C	X	X	X	X	X	X	X	X	X
Halogenated Volatiles 8260C									
EDB EPA 8011 (Waters Only)									
Semivolatiles 8270D/SIM (with low-level PAHs)	X	X	X	X	X	X	X	X	X
PAHs 8270D/SIM (low-level)	X	X	X	X	X	X	X	X	X
PCBs 8082A	X	X	X	X	X	X	X	X	X
Organochlorine Pesticides 8081B	X	X	X	X	X	X	X	X	X
Organophosphorus Pesticides 8270D/SIM									
Chlorinated Acid Herbicides 8151A	X	X	X	X	X	X	X	X	X
Total RCRA Metals									
Total MTCA Metals									
TCLP Metals <u>Pb only</u>	X	X	X	X	X	X	X	X	X
HEM (oil and grease) 1664A	X	X	X	X	X	X	X	X	X
<u>Total Metals</u>	X	X	X	X	X	X	X	X	X
<u>Dx with SG/AC</u>									
<u>TCLP Hg</u>									
% Moisture									

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	<u>GEI</u>	<u>7/1/05</u>	<u>0905</u>	<u>Arsenic, Cadmium, Chromium, Copper, Lead, Mercury/Nickel, Silver, Zinc</u>
<u>[Signature]</u>	<u>Spdy</u>	<u>7/1/05</u>	<u>0905</u>	
<u>[Signature]</u>	<u>Spdy</u>	<u>7/1/05</u>	<u>1120</u>	
<u>[Signature]</u>	<u>GEI</u>	<u>7/1/05</u>	<u>1120</u>	<u>Added 7/1/05 to stay TA</u>
Received				Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Relinquished				Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>

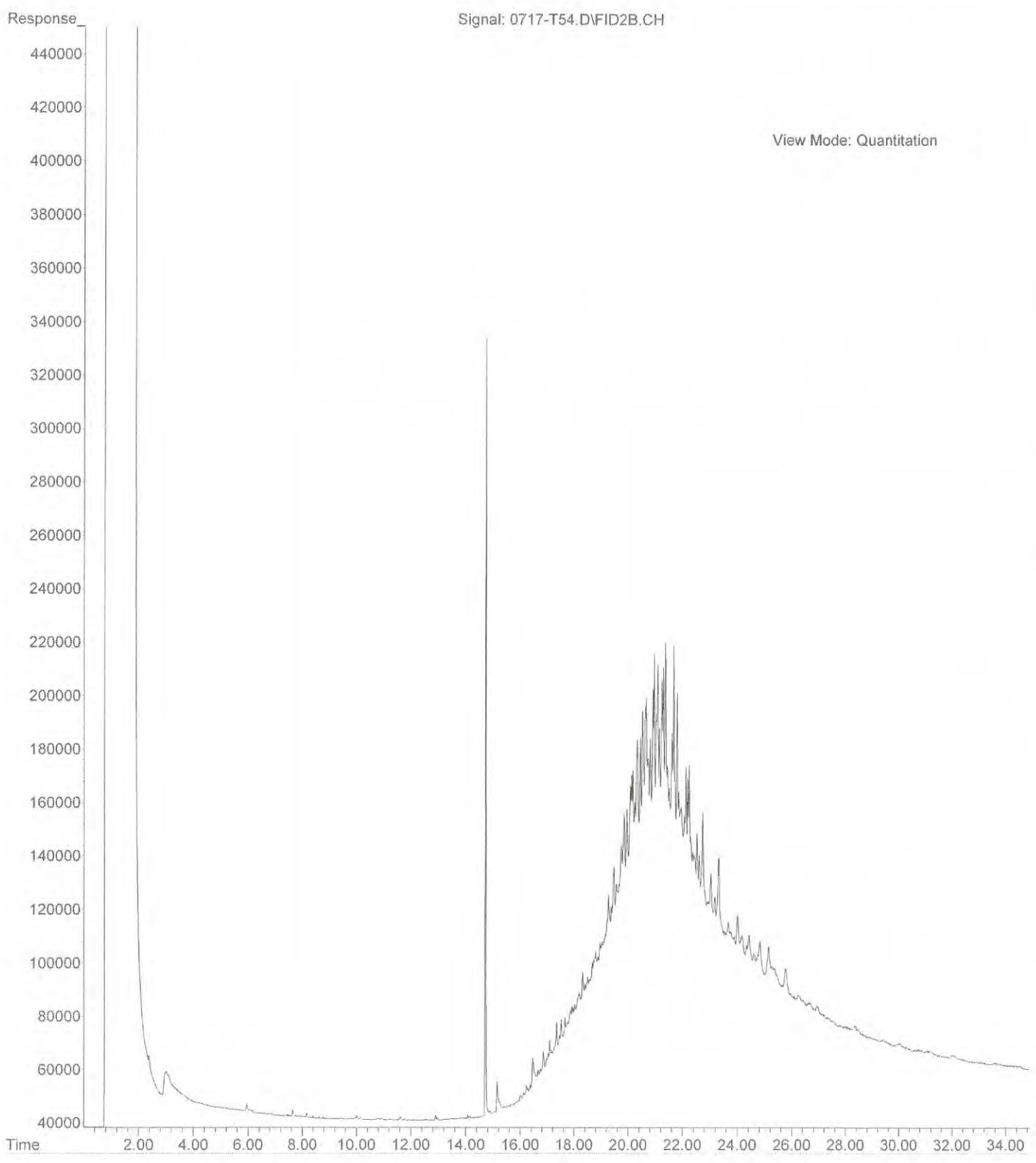
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Instrument : Teri
Sample Name: 07-008-01 ACU 5x
Misc Info :
Vial Number: 77



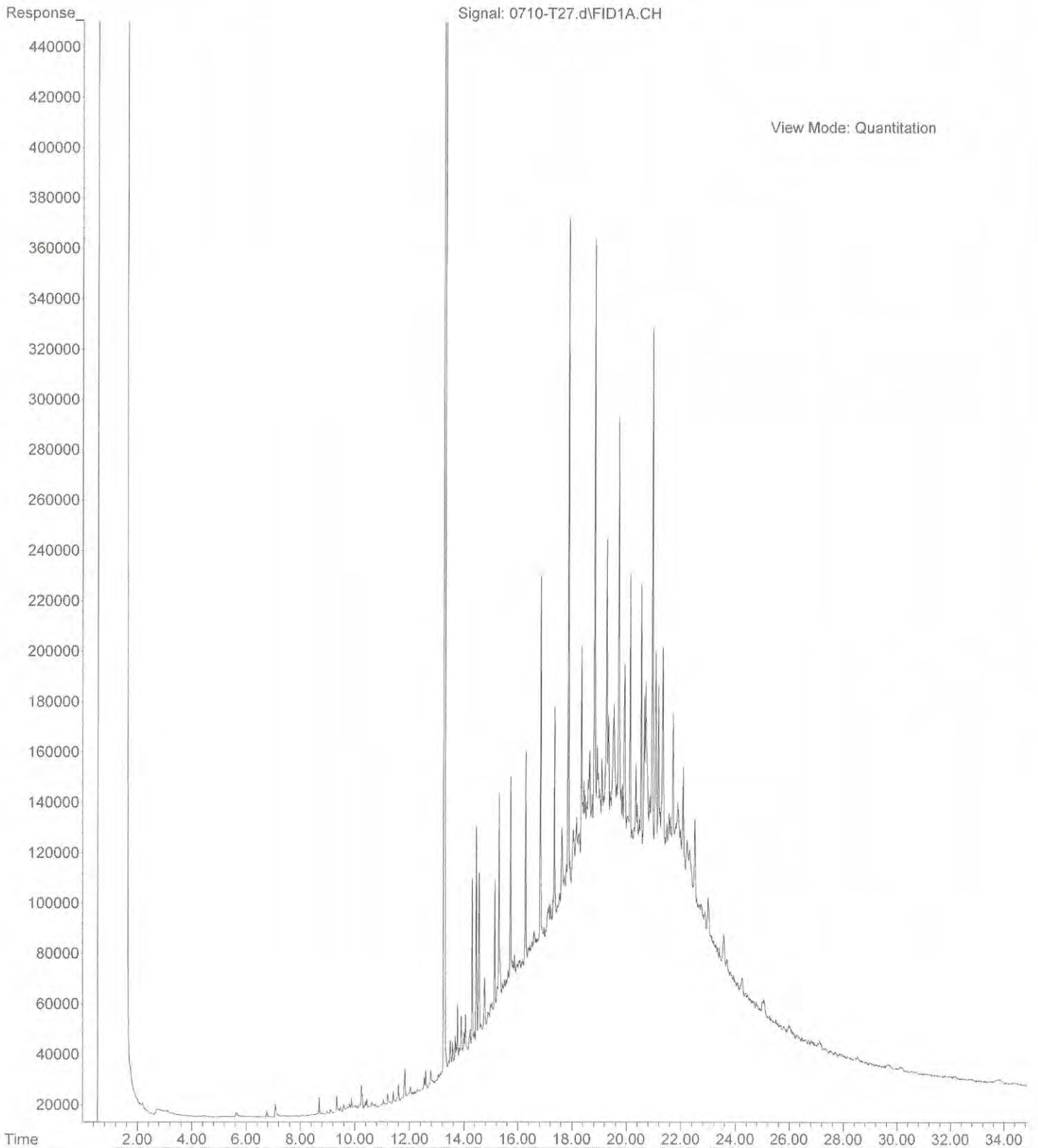
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Instrument : Teri
Sample Name: 07-008-02 ACU 10X
Misc Info :
Vial Number: 53



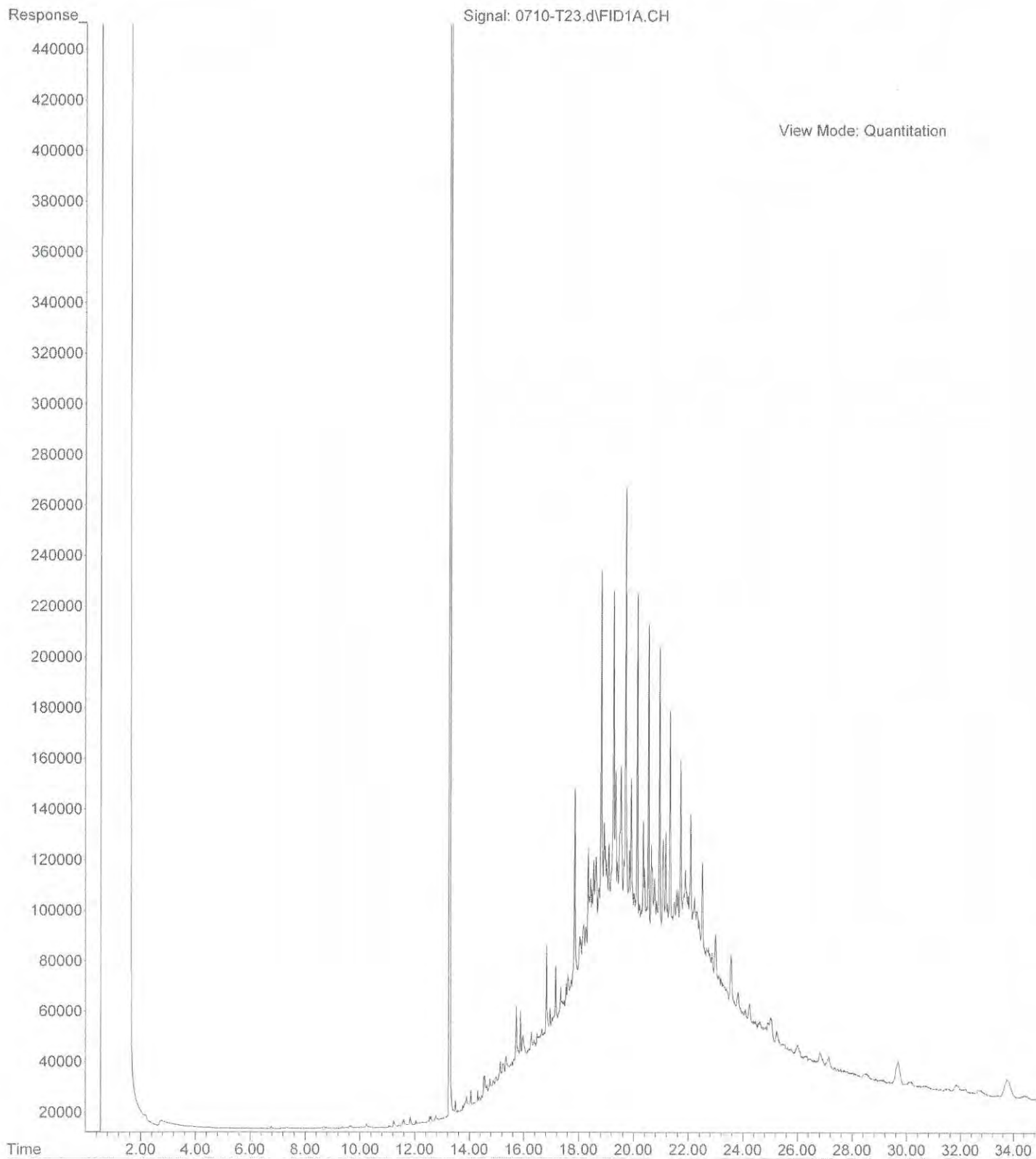
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Instrument : Teri
Sample Name: 07-008-04 ACU 25X
Misc Info :
Vial Number: 54



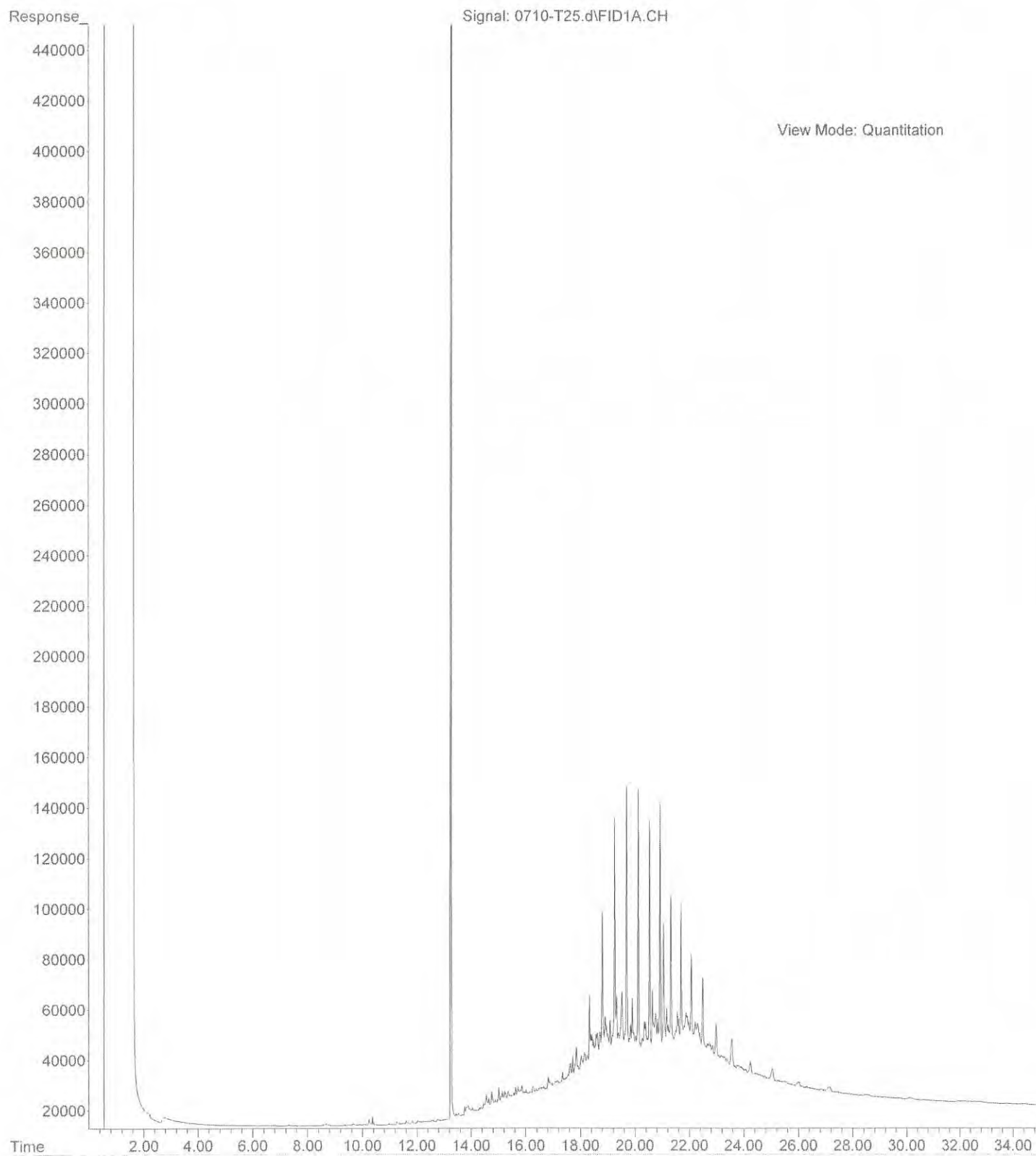
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Operator : JT
Acquired : 11 Jul 2020 2:30 using AcqMethod T200106F.M
Instrument : Teri
Sample Name: 07-008-06 ACU
Misc Info :
Vial Number: 27



File :X:\DIESELS\TERI\DATA\T200710\0710-T23.d
Operator : JT
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Instrument : Teri
Sample Name: 07-008-07 ACU
Misc Info :
Vial Number: 23



File :X:\DIESELS\TERI\DATA\T200710\0710-T25.d
Operator : JT
Acquired : 11 Jul 2020 1:04 using AcqMethod T200106F.M
Instrument : Teri
Sample Name: 07-008-08 ACU 5x
Misc Info :
Vial Number: 25



ATTACHMENT C
Asbestos and Lead-Based Paint Survey Report prepared by
Pacific Rim Environmental



Asbestos and Lead-Based Paint Survey

Go East Landfill
4330 108th Street SE
Everett, WA 98208



Performed for:

GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Prepared By:

Melanie Sandefur
Project Administrator
PacRim

Sr. Review By:

Tricia Lewis
AHERA Accredited BI
PacRim

Date Finalized: 7/20/2020
PacRim#: 16927

Pacific Rim Environmental, Inc.

6510 Southcenter Blvd, Ste. #40
Seattle, WA 98188

(206) 244-8965
www.pacrimenv.com

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Appendix C: **Lead-Based Paint Data Sheets**

Appendix D: **Inspector/Laboratory Certifications**

QAQC Review By: 

Date Reviewed: 7/21/2020

Section 1.0 Scope of Work

Go East Landfill | 4330 108th Street SE, Everett, WA 98208

On June 29th & 30th, 2020 Todd Carter, an AHERA Accredited Building Inspector and a Washington State DOC Lead Inspector for Pacific Rim Environmental, Inc. (PacRim), performed an asbestos and lead-based paint survey at the subject property described below.

Site: Go East Landfill 4330 108th Street SE, Everett, WA: 9.6-acre former landfill



Limitations: Former landfill. Sampling of materials excavated from supplemental test pits only.

Field inspection, data collection, and report generation were performed according to the following **Scope of Work**:

Asbestos-Containing Materials (ACM)

1. Bulk sampling and analysis of suspect asbestos-containing materials (ACM).
2. Analysis of suspect ACM by a NVLAP accredited laboratory.
3. Quantity estimates of ACM.
4. Written report including recommendations based on the technician's observations, abatement (removal) cost estimates (under separate cover), sample descriptions, and sample location.
5. Statement of Compliance with W.A.C. 296-62-07721 Sign-off form.

Lead-Based Paints (LBP)

6. Perform limited screening of suspect lead-based paints.
7. Written report including: Sample descriptions, conditions, locations, analytical results, and recommendations.

Section 2.0 Survey Definitions and Purpose

Go East Landfill | 4330 108th Street SE, Everett, WA 98208

DEFINITIONS:

Surfacing: Materials; which are either spray-applied or troweled-on for acoustical, decorative or fireproofing purposes.

Thermal System Insulation (TSI): Insulating materials used to inhibit heat transfer or to prevent condensation on pipes, boilers, tanks, ducts and various other components.

Miscellaneous: All other materials not included in the above categories such as floor tile, ceiling tile, roofing felt, cementitious materials, wallboard systems and products such as caulking, mastics and putties.

Homogeneous Material: For the purposes of this report; **Homogeneous Material** is defined as an area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in color, texture and application. When materials are determined to be Homogeneous by the on-site AHERA Accredited Building Inspector; although laboratory results may vary, in accordance with AHERA regulations, if any of the samples in a Homogeneous Material Sample Set are found to contain asbestos, then all materials in the Sample Set must be considered to contain asbestos.

HM#: Homogeneous Material Number indicates which Homogeneous Material Sample Set that the collected sample belongs to.

Homogeneous Area: For the purposes of this report; **Homogeneous Area** is defined as a summary of all areas where a Homogeneous Material was identified within the Project Scope.

PURPOSE:

The survey was intended to identify possible asbestos-containing materials (ACM) of the test pits at Go East Landfill. This inspection covered only those areas, which were exposed and/or physically accessible to the inspector. ***Materials uncovered during the course of demolition, renovation, or maintenance activities that are not identified in this inspection report must be presumed to contain asbestos until PLM analysis proves that this material is not asbestos-containing.***

This survey is not intended for, nor should be used as a design specification. The Asbestos in Schools Hazard Amendment and Reauthorization Act (ASHARA), effective November 20, 1990, expanded accreditation requirements to apply to persons who work with asbestos in public and commercial buildings as well as schools. Specifically, ASHARA expanded the Toxic Substances Control Act (TSCA) Section 206 (a) (1) and (3) to require accreditation for any person who designs or conducts a response action with respect to friable ACM in a building. TSCA Section 207 provides for civil penalties of \$5,000 for each day of a violation for not employing accredited individuals to design and conduct response actions. Sampling of suspect asbestos-containing materials was conducted as prescribed in 40 CFR 763.86.

Section 3.0 Homogeneous Materials Sampling and Results Summary

Go East Landfill | 4330 108th Street SE, Everett, WA 98208

Bulk samples collected were submitted for sample analysis in accordance with method EPA-600/R-93/116: "Method for the Determination of Asbestos in Bulk Building Materials". Analyses were performed at Pacific Rim Environmental, Inc., a NVLAP Accredited Laboratory (Lab Code 101631-0). Materials are positive for asbestos if they are found to contain greater than one percent (1%) or 1% asbestos. Materials that are less than one percent (<1%) asbestos, although not considered positive for asbestos, when removed must follow applicable Washington State regulations.

A total of sixteen (16) bulk samples were collected by PacRim and submitted for PLM laboratory analysis.

The following materials were determined to be ACM by laboratory analysis:

- **Built-up Roofing and Insulation Debris**
- **Built-up Roofing and Pea Gravel Ballast**
- **Cement Board**

Materials identified as asbestos-containing materials (ACM) as defined by the EPA:

HM#	AHERA Category	Homogeneous Material Description	Homogeneous Area	Quantity (Approx.)	Sample #'s	Asbestos Content
3	Misc.	Built-up Roofing & Insulation Debris	STP-03	Unknown	03	Layer 1: (Lt gry insulation) None Detected Layer 2: (Blk ashen felt) Chrysotile 1-3%
5	Misc.	Built-up Roofing & Pea Gravel Ballast	STP-01	Unknown	05	Chrysotile 1-3%
8	Misc.	Cement Board	STP-02, Surface area STP-07	Unknown	12, 16	Chrysotile 10-15%

Materials determined to be Non-Asbestos:

HM#	AHERA Category	Homogeneous Material Description	Homogeneous Area	Sample #'s	Asbestos Content
1	Misc.	Built-up Roofing	STP-01	01	None Detected
2	Misc.	Gypsum Debris	STP-01, STP-07, STP-12	02, 06, 09	None Detected
4	Misc.	Refractory Brick	STP-01	04	None Detected
6	Misc.	Built-up Roofing	STP-07, STP-12, STP-02	07, 08, 10, 13	None Detected
7	TSI	Insulation Debris	STP-12	11	None Detected
9	Misc.	Gypsum Wall Board Debris	STP-03	14	None Detected
10	Misc.	Flooring Tile	STP-03	15	None Detected (Both Layers)

Materials uncovered during the course of demolition, renovation, or maintenance activities that are not identified in this inspection report must be presumed to contain asbestos until PLM analysis proves that this material is not asbestos-containing.

Section 4.0 Statement of Compliance

Go East Landfill | 4330 108th Street SE, Everett, WA 98208

In accordance with W.A.C. 296-62-07721 and PSCAA Regulation III, Article 4, Pacific Rim Environmental, Inc. performed an asbestos and lead-based paint survey of the subject property located at 4330 108th Street SE in Everett, Washington. Should employees or contract personnel encounter any suspect asbestos-containing materials (ACM) it is their responsibility to:

1. Contact a representative of the owner.
2. Consult the inspection report to determine whether or not the suspect material contains asbestos.
3. If the suspect material does not appear in the inspection report, then that material was not sampled and must be presumed to contain asbestos until proven otherwise by sampling and PLM analysis.
4. Ensure that all employees and contractors, who may disturb suspect materials, are informed and advised of the location and type of materials that contain asbestos.

Limitations: Former landfill. Sampling of materials excavated from supplemental test pits only.

The following materials were determined to be ACM by laboratory analysis:

- **Built-up Roofing and Insulation Debris**
- **Built-up Roofing and Pea Gravel Ballast**
- **Cement Board**

I Hereby Attest:

The inspection report has been made available to me. I will inform all subcontractors of the location and types of materials containing asbestos. I am authorized to sign on behalf of my company.

Contractor:	_____	Owner's Rep:	_____
Signature:	_____	Signature:	_____
Print Name:	_____	Print Name:	_____
Title:	_____	Title:	_____
Date:	_____	Date:	_____

Section 5.0 Lead-Based Paint Screening Summary

Go East Landfill | 4330 108th Street SE, Everett, WA 98208

The inspection and testing performed on the painted components observed in the test pits of the subject property **did not identify** lead-based paint concentrations.

Sample #	Location	Description	Result
LBP-1	STP-10	Concrete Debris	0.023%
LBP-2	STP-10	Wood Debris	0.029%
LBP-3	STP-4	Wood Debris	0.20%
LBP-4	STP-6	Wood Debris	0.096%

The FAAS sample results are provided in Appendix C.

General Information:

It is important to keep in mind that although the EPA/HUD standard uses a criterion of 5,000 parts per million dry weight or 1.00 milligrams per square centimeter (1.00 mg/cm²) for lead-based paint, there still may be lead present in those results reported as negative. In the event that lead is present, Federal OSHA and Washington State Department of Labor & Industries regulations will still apply, since neither agency has established a concentration of lead in paint below which the lead in construction standards do not apply. Workers wearing respiratory protection and who have received proper training in the handling of lead contaminated materials must be used for any construction activities (including manual scraping, manual/power sanding, heat gun applications, general cleanup, and demolition) that affect a paint film containing lead.

If the building is to be renovated or remodeled there are procedures regarding the disturbance or removal of the lead-based paints that **can** be followed (i.e. initial air monitoring, clearance sampling, etc.). These procedures can be found in *HUD-0006700 Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*. It is not required that these regulations/procedures be utilized on this project, however because these are the only available guidelines for the removal of lead-based paints PRE feels it necessary to inform you of these guidelines.

The current state rules or regulations that currently apply to lead-based paints are WAC 296-155-17603 Scope* and WAC 296-155-17607 Permissible Exposure Limit**. The WAC code states that if lead is detectable in the workplace in any quantity, initial air monitoring must be performed on employees doing demolition, renovation or remodeling work in areas found to have materials containing lead. Also, workers performing lead removal must be trained in accordance with WAC 296-155-17625.

Appendix A: Asbestos Sample Summary & Asbestos Inspection Summary

Asbestos Sample Summary



Client: GeoEngineers, Inc.
600 Stewart Street, Suite 1700
Seattle, WA 98101


Job Number: 16927
Print Date: July 20, 2020

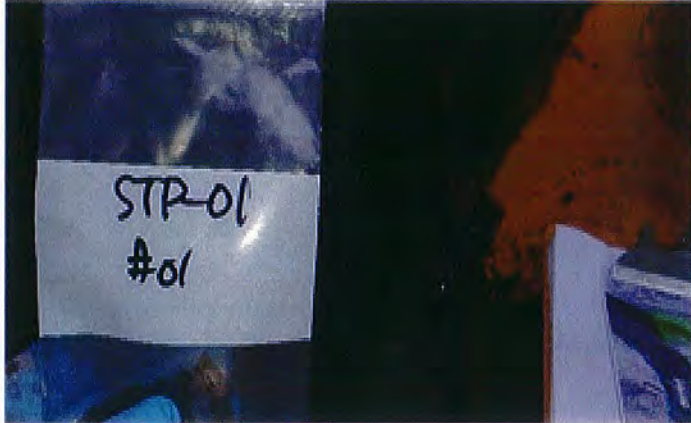
Project: Go East Landfill
4330 108th Street SE
Everett, WA 98208
*HM with ACM Material


Sample #	Sample Date	Sample Location	Additional Locations	AHERA Category	Sample Description	Asbestos Type / %	Quantity	HM #
-01	29-Jun-2020	STP-01	N/A	Miscellaneous	Built-up Roofing	None Detected	Unknown	1
-02	29-Jun-2020	STP-01	N/A	Miscellaneous	Gypsum Debris	None Detected	Unknown	2
-03	29-Jun-2020	STP-03	N/A	Miscellaneous	Built-up Roofing and insulation debris	Layer 1: (Lt gry insulation) None Detected Layer 2: (Blk ashen felt) Chrysotile 1-3%	Unknown	3
-04	29-Jun-2020	STP-01	N/A	Miscellaneous	Refractory brick	None Detected	Unknown	4
-05	29-Jun-2020	STP-01	N/A	Miscellaneous	Built-up Roofing and pea gravel ballast	Chrysotile 1-3%	Unknown	5
-06	29-Jun-2020	STP-07	N/A	Miscellaneous	Gypsum Debris	None Detected	Unknown	2
-07	29-Jun-2020	STP-07	N/A	Miscellaneous	Built-up Roofing	None Detected	Unknown	6
-08	30-Jun-2020	STP-12	N/A	Miscellaneous	Built-up Roofing	Layer 1: (Blk tar roofing) None Detected Layer 2: (Blk tar roofing) None Detected	Unknown	6
-09	30-Jun-2020	STP-12	N/A	Miscellaneous	Gypsum Debris	Layer 1: (Lt yellow/lt grn drywall) None Detected Layer 2: (Blk tar roofing) None Detected	Unknown	2
-10	30-Jun-2020	STP-12	N/A	Miscellaneous	Built-up Roofing	None Detected	Unknown	6
-11	30-Jun-2020	STP-12	N/A	TSI	Insulation debris	None Detected	Unknown	7
-12	30-Jun-2020	STP-02	N/A	Miscellaneous	Cement Board	Chrysotile 10-15%	Unknown	8
-13	30-Jun-2020	STP-02	N/A	Miscellaneous	Built-up Roofing	None Detected	Unknown	6
-14	30-Jun-2020	STP-03	N/A	Miscellaneous	Gypsum Wall Board Debris	None Detected	Unknown	9
-15	30-Jun-2020	STP-03	N/A	Miscellaneous	Flooring tile	Layer 1: (Wht floor tile) None Detected Layer 2: (Wht mastic) None Detected	Unknown	10
-16	30-Jun-2020	Surface area STP-07	N/A	Miscellaneous	Cement Board	None Detected*	Unknown	8

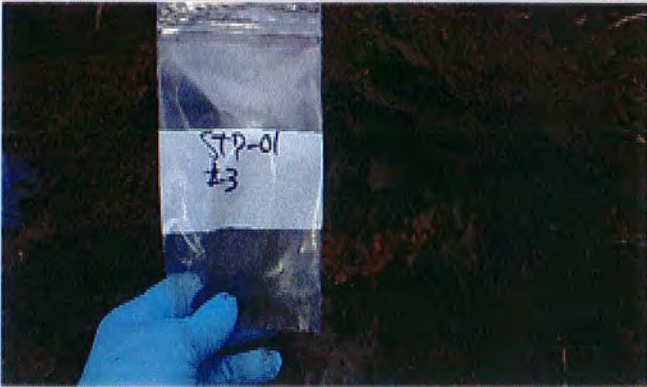
Inspection Summary


Project Information


Job Number	16927
Project Name	Go East Landfill
Project Address:	4330 108th Street SE
Client:	GeoEngineers, Inc.
Date of Survey:	29-Jun-2020
PacRim Technician:	Todd Carter
Limitations:	Former landfill. Sampling of materials excavated from supplemental test pits only.
Exterior Photo:	
Turnaround Requested:	3-5 Days


Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-01	Homogenous Material Number	1
Material Description	Built-up Roofing		
Homogenous Mtl Area	N/A		
Sample Location	STP-01		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			

Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-02	Homogenous Material Number	2
Material Description	Gypsum Debris		
Homogenous Mtl Area	N/A		
Sample Location	STP-01		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			

Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-03	Homogenous Material Number	3
Material Description	Built-up Roofing and insulation debris		
Homogenous Mtl Area	N/A		
Sample Location	STP-03		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	Layer 1: (Lt gry insulation) None Detected Layer 2: (Blk ashen felt) Chrysotile 1-3%		
Sample Photo			

Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-04	Homogenous Material Number	4
Material Description	Refractory brick		
Homogenous Mtl Area	N/A		
Sample Location	STP-01		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			

Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-05	Homogenous Material Number	5
Material Description	Built-up Roofing and pea gravel ballast		
Homogenous Mtl Area	N/A		
Sample Location	STP-01		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	Chrysotile 1-3%		
Sample Photo			


Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-06	Homogenous Material Number	2
Material Description	Gypsum Debris		
Homogenous Mtl Area	N/A		
Sample Location	STP-07		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			





Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-07	Homogenous Material Number	6
Material Description	Built-up Roofing		
Homogenous Mtl Area	N/A		
Sample Location	STP-07		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	None Detected		


Inspection Summary


Project Information


Job Number	16927
Project Name	Go East Landfill
Project Address:	4330 108th Street SE
Client:	GeoEngineers, Inc.
Date of Survey:	30-Jun-2020
PacRim Technician:	Todd Carter
Limitations:	Former landfill. Sampling of materials excavated from supplemental test pits only.
Exterior Photo:	
Turnaround Requested:	3-5 Days


Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-08	Homogenous Material Number	6
Material Description	Built-up Roofing		
Homogenous Mtl Area	N/A		
Sample Location	STP-12		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	Layer 1: (Blk tar roofing) None Detected Layer 2: (Blk tar roofing) None Detected		
Sample Photo			


Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-09	Homogenous Material Number	2
Material Description	Gypsum Debris		
Homogenous Mtl Area	N/A		
Sample Location	STP-12		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	Layer 1: (Lt yellow/Lt grn drywall) None Detected Layer 2: (Blk tar roofing) None Detected		
Sample Photo			


Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-10	Homogenous Material Number	6
Material Description	Built-up Roofing		
Homogenous Mtl Area	N/A		
Sample Location	STP-12		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			


Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	TSI
Sample Number	-11	Homogenous Material Number	7
Material Description	Insulation debris		
Homogenous Mtl Area	N/A		
Sample Location	STP-12		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			

Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-12	Homogenous Material Number	8
Material Description	Cement Board		
Homogenous Mtl Area	N/A		
Sample Location	STP-2		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	Chrysotile 10-15%		
Sample Photo			

Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-13	Homogenous Material Number	6
Material Description	Built-up Roofing		
Homogenous Mtl Area	N/A		
Sample Location	STP-2		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			

Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-14	Homogenous Material Number	9
Material Description	Gypsum Wall Board Debris		
Homogenous Mtl Area	N/A		
Sample Location	STP-3		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			

Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-15	Homogenous Material Number	10
Material Description	Flooring tile		
Homogenous Mtl Area	N/A		
Sample Location	STP-3		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	Layer 1: (Wht floor tile) None Detected Layer 2: (Wht mastic) None Detected		
Sample Photo			

Sample			
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	-16	Homogenous Material Number	8
Material Description	Cement Board		
Homogenous Mtl Area	N/A		
Sample Location	Surface area STP-7		
Quantity	Unknown	Unit of Measure	
Asbestos Type/%	None Detected*		
Sample Photo			

Appendix B: Bulk Sample Analysis Report



Pacific Rim Environmental Inc.
Bulk Sample Analysis Report



Customer Name: GeoEngineers, Inc.
 600 Stewart St., Ste. 1700
 Seattle
 WA 98101

PacRim Number: 16927
Report Number: 2020-07-0001
Date Received: 7/1/2020
Analysis Start Date: 7/10/2020
Analysis End Date: 7/12/2020
Turnaround Time: 3-5 Days
Report Date: 7/13/2020
Report By: William F. Golloway
Analyst(s): William F. Golloway

Customer Project Number: None Given
Project Name: Go East Landfill
Project Address: 4330 108th Street SE
 Everett
 WA 98208

Samples Analyzed for this report
Beginning Laboratory ID Number: 2020-07-0001
Ending Laboratory ID Number: 2020-07-0016

Sample Set Number
 2020-2591

PO Number: None Given
Total Samples: 16

The bulk samples submitted were analyzed for asbestos content using Polarized Light Microscopy (PLM). Analysis was performed in accordance with Appendix E to Subpart E of 40 CFR Part 763 and EPA/600/R93/116.

The test results pertain only to the samples submitted for analysis. Unless otherwise noted, the samples were inhomogeneous; subsamples of components were analyzed to achieve representative analysis. Separate layers of layered samples were analyzed and reported separately. Unless otherwise stated, asbestos content was quantified by calibrated visual estimation (CVES). CVES concentrations are reported in two to three percent ranges for fiber concentrations ranging from one to ten percent, and usually five percent ranges for concentrations greater than ten percent. Samples in which asbestos was not observed are reported as "None Detected".

Limitations and Uncertainty:

Factors such as sample quality, sample size, interfering matrix material, fiber size, and fiber concentration contribute to the uncertainty in asbestos concentration estimates in bulk materials. Relative errors exceeding 100% may occur in samples containing less than ten percent asbestos. Relative errors are typically below thirty percent in samples having greater than ten percent asbestos, and approach zero as asbestos concentrations approach 100%.

Asbestos fibers with diameters less than approximately 0.25 microns are not detectable by PLM. Fibers with larger diameters may not be visible if obscured by interfering matrix materials. These extremely fine fibers may occur in floor tiles, adhesives, products with cement binders, and other non-friable or semi-friable materials. This limitation can be overcome using alternate analytical methods, such as Transmission Electron Microscopy (TEM).

This report cannot be represented by the customer to claim product endorsement by the National Voluntary Accreditation Program (NVLAP), or any agency of the United States government. This report shall not be reproduced except in full without written permission from Pacific Rim Environmental, Inc. (PacRim).

NVLAP Accredited Lab #: 101631-0
Samples Submitted by: PacRim

Report
Reviewed by:  7-13-2020
Approved Signatory



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Customer Name: GeoEngineers, Inc.
Customer Project Number: None Given
Project Name: Go East Landfill
Sample Date: 29-Jun-2020
Report Date: 7/13/2020
Report By: William F. Golloway

Sample Set Number
2020-2591

PacRim Number: 16927
Report Number: 2020-07-0001
Date Received: 7/1/2020
Analysis Start Date: 7/10/2020
Analysis End Date: 7/12/2020
Analyst(s): William F. Golloway

Field Sample Number: 01 **Field Sample Description:** Built-up Roofing **Field Sample Location:** STP-01 **Analyst:** WFG
Lab ID: 2020-07-0001 **Analysis Date:** 7/10/2020
Sample Date: 29-Jun-2020

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Black, somewhat brittle tar-like roofing with inseparable, embedded felts, adhering aggregate, and brown surface residue	None Detected	Cellulose 15-20% Fibrous Glass <1%	Tar, Mineral Aggregate, Binder

Field Sample Number: 02 **Field Sample Description:** Gypsum Debris **Field Sample Location:** STP-01 **Analyst:** WFG
Lab ID: 2020-07-0002 **Analysis Date:** 7/10/2020
Sample Date: 29-Jun-2020

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
White, chalky, to black, brittle, partially ashen drywall-like material with embedded fibers	None Detected	Fibrous Glass 1-3% Cellulose <1%	Gypsum, Mineral Aggregate, Binder, Ash

Field Sample Number: 03 **Field Sample Description:** Built-up Roofing and insulation debris **Field Sample Location:** STP-03 **Analyst:** WFG
Lab ID: 2020-07-0003 **Analysis Date:** 7/10/2020
Sample Date: 29-Jun-2020

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Layer: 1 Light grey, fibrous insulation material with adhering ashen material and black residue	None Detected	Fibrous Glass 80-85%	Binder, Mineral Aggregate, Ash
Layer: 2 Black, ashen felt-like material with silver, paint-like surface residue	Chrysotile 1-3%	Fibrous Glass 3-5%	Binder, Ash, Paint

Field Sample Number: 04 **Field Sample Description:** Refractory brick **Field Sample Location:** STP-01 **Analyst:** WFG
Lab ID: 2020-07-0004 **Analysis Date:** 7/10/2020
Sample Date: 29-Jun-2020

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Light yellow and white, brick-like material with brown surface residue	None Detected	Cellulose <1%	Refractory, Mineral Aggregate, Binder



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Customer Name: GeoEngineers, Inc.
Customer Project Number: None Given
Project Name: Go East Landfill
Sample Date: 29-Jun-2020
Report Date: 7/13/2020
Report By: William F. Golloway

Sample Set Number
2020-2591

PacRim Number: 16927
Report Number: 2020-07-0001
Date Received: 7/1/2020
Analysis Start Date: 7/10/2020
Analysis End Date: 7/12/2020
Analyst(s): William F. Golloway

Field Sample Number: 05 **Field Sample Description:** Built-up Roofing and pea gravel ballast **Field Sample Location:** STP-01 **Analyst:** WFG
Lab ID: 2020-07-0005 **Analysis Date:** 7/10/2020

Sample Date: 29-Jun-2020

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Black, tar-like, somewhat pliable roofing with embedded felts and large aggregate, and adhering, white surface aggregate	Chrysotile 1-3%	Cellulose 5-7%	Tar, Mineral Aggregate, Binder

Field Sample Number: 06 **Field Sample Description:** Gypsum Debris **Field Sample Location:** STP-07 **Analyst:** WFG
Lab ID: 2020-07-0006 **Analysis Date:** 7/10/2020
Sample Date: 29-Jun-2020

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
White, chalky drywall-like material with light brown surface residue	None Detected	Cellulose <1%	Gypsum, Mineral Aggregate, Binder

Field Sample Number: 07 **Field Sample Description:** Built-up Roofing **Field Sample Location:** STP-07 **Analyst:** WFG
Lab ID: 2020-07-0007 **Analysis Date:** 7/10/2020
Sample Date: 29-Jun-2020

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Black, brittle tar roofing-like material with red surface aggregate and light brown, sandy residue	None Detected	Cellulose 3-5% Synthetics 1-3%	Tar, Mineral Aggregate, Binder

Field Sample Number: 08 **Field Sample Description:** Built-up Roofing **Field Sample Location:** STP-12 **Analyst:** WFG
Lab ID: 2020-07-0008 **Analysis Date:** 7/10/2020
Sample Date: 30-Jun-2020

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Layer: 1 Black, tar roofing with embedded fibers and brown and grey sandy residue	None Detected	Cellulose 3-5% Fibrous Glass 3-5%	Tar, Mineral Aggregate, Binder
Layer: 2 black, brittle tar roofing with red surface aggregate and embedded fibers	None Detected	Cellulose 7-10% Synthetics 1-3%	Tar, Mineral Aggregate, Binder



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Customer: GeoEngineers, Inc.
Customer Project Number: None Given
Project Name: Go East Landfill
Sample Date: 30-Jun-2020
Report Date: 7/13/2020
Report By: William F. Golloway

Sample Set Number
2020-2591

PacRim Number: 16927
Report Number: 2020-07-0001
Date Received: 7/1/2020
Analysis Start Date: 7/10/2020
Analysis End Date: 7/12/2020
Analyst(s): William F. Golloway

Customer Sample Number: <u>09</u>	Customer Sample Description: Gypsum Debris	Customer Sample Location: STP-12	Analyst: WFG
Lab ID: 2020-07-0009			Sample Date: 30-Jun-2020
			Analysis Date: 7/10/2020
Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Layer: 1 Light yellow/light green-painted, white, chalky drywall material	None Detected	Cellulose <1%	Gypsum, Mineral Aggregate, Binder, Paint
Layer: 2 Black, brittle, tar roofing material with embedded fibers and green, red, and white surface aggregate	None Detected	Cellulose 10-15%	Tar, Mineral Aggregate, Binder

Customer Sample Number: <u>10</u>	Customer Sample Description: Built-up Roofing	Customer Sample Location: STP-12	Analyst: WFG
Lab ID: 2020-07-0010			Sample Date: 30-Jun-2020
			Analysis Date: 7/10/2020
Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Black, brittle tar roofing fragments with brown surface residue	None Detected	Cellulose 7-10% Fibrous Glass <1%	Tar, Mineral Aggregate, Binder

Customer Sample Number: <u>11</u>	Customer Sample Description: Insulation debris	Customer Sample Location: STP-12	Analyst: WFG
Lab ID: 2020-07-0011			Sample Date: 30-Jun-2020
			Analysis Date: 7/12/2020
Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Light brown, fibrous insulation material with black, tar-like residue	None Detected	Fibrous Glass 70-75% Cellulose <1%	Binder, Glass Fragments, Tar

Customer Sample Number: <u>12</u>	Customer Sample Description: Cement Board	Customer Sample Location: STP-2	Analyst: WFG
Lab ID: 2020-07-0012			Sample Date: 30-Jun-2020
			Analysis Date: 7/12/2020
Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Light pink-painted, light grey, cementitious board material with adhering tar and brown, sandy residue	Chrysotile 10-15%	Cellulose <1%	Mineral Aggregate, Binder, Tar, Paint, Plant Remains

Customer Sample Number: <u>13</u>	Customer Sample Description: Built-up Roofing	Customer Sample Location: STP-2	Analyst: WFG
Lab ID: 2020-07-0013			Sample Date: 30-Jun-2020
			Analysis Date: 7/12/2020
Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Black, brittle, tar roofing with embedded felts and fibers	None Detected	Cellulose 3-5% Fibrous Glass 1-3%	Tar, Mineral Aggregate, Binder



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Customer Name: GeoEngineers, Inc.
Customer Project Number: None Given
Project Name: Go East Landfill
Sample Date: 30-Jun-2020
Report Date: 7/13/2020
Report By: William F. Golloway

Sample Set Number
2020-2591

PacRim Number: 16927
Report Number: 2020-07-0001
Date Received: 7/1/2020
Analysis Start Date: 7/10/2020
Analysis End Date: 7/12/2020
Analyst(s): William F. Golloway

Field Sample Number: 14 **Field Sample Description:** Gypsum Wall Board Debris **Field Sample Location:** STP-3 **Analyst:** WFG
Lab ID: 2020-07-0014 **Analysis Date:** 7/12/2020
Sample Date: 30-Jun-2020

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
White, chalky drywall with brown paper residue	None Detected	Cellulose <1% Fibrous Glass 3-5%	Gypsum, Mineral Aggregate, Binder

Field Sample Number: 15 **Field Sample Description:** Flooring tile **Field Sample Location:** STP-3 **Analyst:** WFG
Lab ID: 2020-07-0015 **Analysis Date:** 7/12/2020
Sample Date: 30-Jun-2020

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Layer: 1 White, brittle floor tile with light grey streaks and splotches, and brown, soil-like residue	None Detected	Cellulose <1% Animal Hair <1%	Mineral Aggregate, Binder, Wood
Layer: 2 White, somewhat pliable mastic material with sandy residue	None Detected	Cellulose <1%	Adhesive, Mineral Aggregate, Binder, Ash

Field Sample Number: 16 **Field Sample Description:** Cement Board **Field Sample Location:** Surface area STP-7 **Analyst:** WFG
Lab ID: 2020-07-0016 **Analysis Date:** 7/12/2020
Sample Date: 30-Jun-2020

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Black, light grey, orange-red-painted, white fiberboard-like material	None Detected	Fibrous Glass 25-30% Cellulose <1%	Binder, Mineral Aggregate, Paint

Appendix C: Lead-Based Paint Data Sheets



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 786-5974
<http://www.EMSL.com> cinnaminsonleadlab@emsl.com

EMSL Order: 202006017
CustomerID: PACR50
CustomerPO:
ProjectID:

Attn: **Melanie Sandefur**
Pacific Rim Environmental, Inc.
6510 Southcenter Blvd., Suite 40
Seattle, WA 98188

Phone: (206) 244-8965
Fax: (206) 244-9096
Received: 07/09/20 10:40 AM
Collected: 7/6/2020

Project: 16927

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
LBP-1	202006017-0001 Site: STP-10	7/6/2020	7/10/2020	0.2581 g	0.023 % wt
LBP-2	202006017-0002 Site: STP-10	7/6/2020	7/10/2020	0.2824 g	0.029 % wt
LBP-3	202006017-0003 Site: STP-4	7/6/2020	7/10/2020	0.2647 g	0.20 % wt
LBP-4	202006017-0004 Site: STP-6	7/6/2020	7/10/2020	0.2800 g	0.096 % wt

Phillip Worby, Lead Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.
Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.
Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 07/16/2020 10:41:59



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

202006017

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company: Pacific Rim Environmental, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 6510 Southcenter Blvd., Suite 40		<i>Third Party Billing requires written authorization from third party</i>	
City: Seattle	State/Province: WA	Zip/Postal Code: 98188	Country: US
Report To (Name): Melanie Sandefur		Telephone #: 206-244-8965	
Email Address: pre@pacrimenv.com		Fax #: 206-244-9096	Purchase Order:
Project Name/Number: 16927		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: WA		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%	<input checked="" type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter	<input type="checkbox"/>
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> <small>*if no box checked, non-ASTM Wipe assumed</small>	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	1.0 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler:		Signature of Sampler:	
Sample #	Location	Volume/Area	Date/Time Sampled

Client Sample #s	LBP-1 - LBP-4	Total # of Samples:	4
Relinquished (Client):	<i>M. Sandefur</i>	Date:	7/7/2020
Received (Lab):	<i>EFX</i>	Date:	7/9/20
Time:		Time:	9:29 am
Time:		Time:	10:40 am

Comments:
 Bill To: Pacific Rim Environmental, Inc., 6510 Southcenter Blvd., Suite 40, Seattle, WA, 98188, US
 Attention: Dai Le Phone: 206-244-8965 Email: pre@pacrimenv.com Purchase Order:



EMSL Analytical, Inc.
200 Route 130 North

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING
EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID *(Lab Use Only):*

202006017

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
1	LBP-1 STP-10		7/6/2020
2	LBP-2 STP-10		7/6/2020
3	LBP-3 STP-4		7/6/2020
4	LBP-4 STP-6		7/6/2020

Comments/Special Instructions:

BillTo: Pacific Rim Environmental, Inc., 6510 Southcenter Blvd., Suite 40, Seattle, WA, 98188, US
Attention: Dai Le Phone: 206-244-8965 Email: pre@pacrimenv.com Purchase Order:

Appendix D: Inspector / Laboratory Certifications

Certificate of Completion

This is to certify that
Todd P. Carter
has satisfactorily completed
4 hours of refresher training as an
AHERA Building Inspector

to comply with the training requirements of
TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085

173441
Certificate Number



Jun 4, 2019 Expires in 1 year.

Date(s) of Training

Exam Score: N/A
(if applicable)


Instructor

ARGUS PACIFIC, INC / 21905 64th AVE W, SUITE 100 / MOUNTLAKE TERRACE, WASHINGTON 98043 / 206.285.3373 / ARGUSPACIFIC.COM

Certificate of Completion

This is to certify that
Todd P. Carter
has satisfactorily completed
8 hours of refresher training as a
Lead Risk Assessor

to comply with the training requirements of
WAC 365-230

Lead Provider #9015

166475
Certificate Number



Instructor

Mar 23, 2018 Expires in 3 years.

Date(s) of Training

Exam Score: N/A
if appropriate.

ARGUS PACIFIC, INC / 1900 WEST NICKERSON ST, SUITE 315 / SEATTLE, WASHINGTON 98119 / 206.285.3373 / ARGUSPACIFIC.COM

STATE OF WASHINGTON

Department of Commerce

Lead-Based Paint Abatement Program

Todd P Carter

*Has fulfilled the certification requirements of
WAC 365-230
and has been certified to conduct lead-based
paint activities as a
Risk Assessor*

Certification #
0340

Issuance Date
04/09/2018

Expiration Date
04/10/2021

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101631-0

Pacific Rim Environmental, Inc.
Tukwila, WA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2020-04-01 through 2021-03-31

Effective Dates



A handwritten signature in blue ink, appearing to read 'John S. Lamm', written over a horizontal line.

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Pacific Rim Environmental, Inc.

6510 Southcenter Boulevard

Suite #40

Tukwila, WA 98188

Mr. William F. Golloway

Phone: 206-244-8965 Fax: 206-244-9096

Email: fgolloway@pacrimenv.com

<http://www.pacrimenv.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101631-0

Bulk Asbestos Analysis

Code

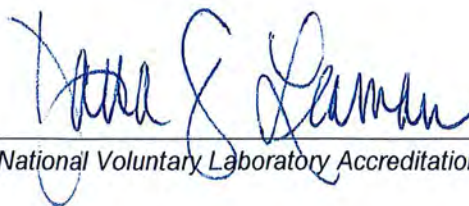
Description

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



For the National Voluntary Laboratory Accreditation Program

State of New Jersey
Department of Environmental Protection
Certifies That

EMSL ANALYTICAL INC

Laboratory Certification ID # 03036

is hereby approved as a

Nationally Accredited Environmental Laboratory
to perform the analyses as indicated on the Annual Certified Parameter List
which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of
Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2016 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2021



Michele M. Potter

Michele M. Potter
Manager

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

APPENDIX B
Data Validation Report and Laboratory Analytical Data

Project: 2021 Confirmation Soil Sampling Results
Go East Landfill Site, Everett, Washington

GEI File: 6694-002-03

Date: June 20, 2021

This report documents the results of a United States Environmental Protection Agency (USEPA)-defined Stage 2A Modified data validation (USEPA Document 540-R-08-005; USEPA, 2009) of analytical data from the analyses of soil samples collected as part of the April to June 2021 sampling event, and the associated laboratory and field quality control (QC) samples. The samples were obtained from the Go East Landfill Site located in Everett, Washington.

OBJECTIVE AND QUALITY CONTROL ELEMENTS

GeoEngineers, Inc. (GeoEngineers) completed the data validation consistent with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Data Review (USEPA 2017) and Inorganic Superfund Data Review (USEPA 2017) to determine if the laboratory analytical results meet the project objectives and are usable for their intended purpose. Data usability was assessed by determining if:

- The samples were analyzed using well-defined and acceptable methods that provide reporting limits below applicable regulatory criteria;
- The precision and accuracy of the data are measured by well-defined control limits to provide defensible data; and
- The quality assurance/quality control (QA/QC) procedures utilized by the laboratory meet acceptable industry practices and standards.

In accordance with the National Functional Guidelines definition of a Stage 2A (with the checks of calibration outliers and column confirmation outliers) validation, the QC leader assessed and reviewed of the following QC elements:

- Data Package Completeness
- Chain-of-Custody Documentation
- Holding Times and Sample Preservation
- Method Blanks
- Surrogates
- Matrix Spikes/Matrix Spike Duplicates
- Laboratory Control Samples/Laboratory Control Sample Duplicates
- Laboratory and Field Duplicates
- Column Confirmations (applies only to Pesticides and Herbicides)
- Calibrations (ICVs and CCVs)

■ Reporting Limits

VALIDATED SAMPLE DELIVERY GROUPS

This data validation included review of the sample delivery group (SDG) listed below in Table 1.

TABLE 1: SUMMARY OF VALIDATED SAMPLE DELIVERY GROUP

Laboratory SDG	Samples Validated
2104-264	IAEX-1-6, IAEX-2-25, IAEX-3-25
2104-279	IAEX-4-6, IAEX-5-6, IAEX-6-30, IAEX-7-9, IAEX-8-28
2104-296	IAEX-9-30, IAEX-10-4, IAEX-11-4
2104-309	IAEX-12-2, IAEX-13-3, IAEX-14-8, IAEX-15-2
2105-023	IAEX-16-15, IAEX-17-35, IAEX-18-35, IAEX-19-1
2105-034	IAEX-20-11, IAEX-21-6, IAEX-22-8, IAEX-23-3, IAEX-24-35
2105-048	IAEX-25-5, IAEX-26-3
2105-069	IAEX-27-25, IAEX-28-28, IAEX-29-25, IAEX-30-30
2105-085	IAEX-31-3, IAEX-32-5
2105-103	IAEX-33-2, IAEX-34-2, DUP-210511, IAEX-35-2, IAEX-36-2, IAEX-37-2, IAEX-38-3
2105-117	IAEX-39-20, IAEX-40-55
2105-130	IAEX-41-20, IAEX-42-20, IAEX-43-30
2105-148	IAEX-44-30, IAEX-45-30, IAEX-46-10
2105-160	IAEX-47-10, IAEX-48-15, DUP-210517, IAEX-49-20
2105-206	IAEX-50-2, IAEX-51-3, IAEX-52-3
2105-213	IAEX-53-17
2105-222	IAEX-54-4, IAEX-55-3
2105-269	IAEX-56-6, IAEX-57-6, IAEX-58-5
2106-025	IAEX-59-5, IAEX-60-5
2106-061	IAEX-61-6, IAEX-62-5, IAEX-63-4
2106-113	IAEX-64-8, IAEX-65-15
2106-152	IAEX-66-5
2106-159	IAEX-67-30
2106-167	IAEX-68-5

CHEMICAL ANALYSIS PERFORMED

OnSite Environmental, Inc. (OnSite) of Redmond, Washington, performed laboratory analysis on the soil samples using the following methods:

- Gasoline range hydrocarbons by NWTPH-Gx
- Diesel and Heavy Oil range hydrocarbons by NWTPH-Dx
- Volatile Organic Compounds by EPA 8260D
- Semivolatile Organic Compounds by EPA 8270E (Full-scan Compound list)
- Low-level polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270E/Selective Ion Monitoring (SIM).
- Polychlorinated Biphenyls (PCB) Aroclors by EPA Method 8082A
- Organochlorinated Pesticides by EPA Method 8081B
- Chlorinated Acidic Herbicides by EPA Method 8151A
- Arsenic, cadmium, chromium, lead, mercury, nickel, selenium, and zinc by EPA Methods 6010D/7471B

DATA VALIDATION SUMMARY

The results for each of the QC elements are summarized below.

Data Package Completeness

OnSite provided all required deliverables for the data validation according to the National Functional Guidelines. The laboratories followed adequate corrective action processes and all identified anomalies were discussed in the relevant laboratory case narrative.

Chain-of-Custody Documentation

Chain-of-custody (COC) forms were provided with the laboratory analytical reports. The COCs were accurate and complete when submitted to the lab. All forms were appropriately signed and dated by both field collectors and laboratory personnel upon receipt.

Holding Times and Sample Preservation

The sample holding time is defined as the time that elapses between sample collection and sample analysis. Maximum holding time criteria exist for each analysis to help ensure that the analyte concentrations found at the time of analysis reflect the concentration present at the time of sample collection. Established holding times were met for all analyses. The samples arrived at the laboratory at a temperatures between 2°C and 6°C the sample containers were properly preserved.

Method Blanks

Method blanks are analyzed to ensure that laboratory procedures and reagents do not introduce measurable concentrations of the analytes of interest. A method blank was analyzed with each batch of samples, at a frequency of 1 per 20 samples. For all sample batches, method blanks for all applicable methods were analyzed at the required frequency. None of the analytes of interest were detected above the reporting limits in any of the method blanks.

Surrogate Recoveries

A surrogate compound is a compound that is chemically similar to the organic analytes of interest, but unlikely to be found in any environmental sample. Surrogates are used for organic analyses and are added to all samples, standards, and blanks to serve as an accuracy and specificity check of each analysis. The surrogates are added to the samples at a known concentration and percent recoveries are calculated following analysis. All surrogate percent recoveries for field samples were within the laboratory control limits, with the following exceptions:

- **SDG 2104-296: (NWTPH-Gx)** The %R for the surrogate fluorobenzene was greater than the control limits in Sample IAEX-10-4; however, there was no positive result for gasoline in this sample. No action was required for this outlier.

Matrix Spikes/Matrix Spike Duplicates

Since the actual analyte concentration in an environmental sample is not known, the accuracy of a particular analysis is usually inferred by performing a matrix spike (MS) analysis on one sample from the associated batch, known as the parent sample. One aliquot of the sample is analyzed in the normal manner and then a second aliquot of the sample is spiked with a known amount of analyte concentration and analyzed. From these analyses, a percent recovery is calculated. Matrix spike duplicate (MSD) analyses are generally performed for organic analyses as a precision check and analyzed in the same sequence as a matrix spike. Using the result values from the MS and MSD, the relative percent difference (RPD) is calculated. The percent recovery control limits for MS and MSD analyses are specified in the laboratory documents, as are the RPD control limits for MS/MSD sample sets.

For inorganic methods, the matrix spike is followed by a post-digestion spike sample if any element percent recoveries were outside the control limits in the matrix spike. The percent recovery control limits for matrix spikes are 75% to 125%.

One MS/MSD analysis should be performed for every analytical batch or every 20 field samples, whichever is more frequent. The frequency requirements were met for all analyses and the percent recovery and RPD values were within the proper control limits, with the exceptions noted below.

- **SDG 2104-296 (Pesticides):** An MS/MSD was performed on Sample IAEX-9-30. The %R values for heptachlor epoxide, endrin, and endosulfan II were greater than their respective control limits in this QC sample pair. However, there were no positive detections for these target analytes in the parent sample. For this reason no qualifiers were applied.
- **SDG 2105-160 (Metals):** An MS/MSD was performed on Sample IAEX-47-10. The RPD value for lead was greater than the control limit in this QC sample pair. The positive result for lead was qualified as estimated (J) in the parent sample for precision, no other positive results for lead were reported in any of the other associated batched samples. Also, the %R value for lead was greater than the control limit in this QC sample pair. However, the %R value for lead was within the control limit in the corresponding MSD. For this reason no accuracy qualifiers were applied.

Laboratory Control Samples/Laboratory Control Sample Duplicates

A Laboratory Control Sample (LCS) is a blank sample that is spiked with a known amount of analyte and then analyzed. An LCS is similar to an MS, but without the possibility of matrix interference. Given that matrix interference is not an issue, control limits for accuracy and precision in the LCS and its duplicate (LCSD) are usually more rigorous than for MS/MSD analyses. Additionally, data qualification based on LCS/LCSD analyses would apply to each sample in the associated batch, instead of just the parent sample. The %R control limits for LCS and LCSD analyses are specified in the laboratory documents, as are the RPD control limits for LCS/LCSD sample sets.

One LCS/LCSD analysis should be performed for every analytical batch or every 20 field samples, whichever is more frequent. The frequency requirements were met for each analysis and the %R and RPD values were within the proper control limits, with the exceptions noted below.

- **SDG 2104-309 (Herbicides):** The RPD values for Dalapon and pentachlorophenol were greater than their respective control limits in this QC sample pair. However, there were no positive detections for these target analytes in the associated samples. For this reason no qualifiers were applied.
- **SDG 2105-117 & 2105-130 (Herbicides):** The RPD value for Dalapon was greater than the control limit in this QC sample pair extracted on 5/14/21. However, there were no positive detections for this target analyte in the associated samples. For this reason no qualifiers were applied.
- **SDG 2105-222 (Herbicides):** The RPD value for Dalapon was greater than the control limit in this QC sample pair extracted on 5/25/21. However, there were no positive detections for this target analyte in the associated samples. For this reason no qualifiers were applied.

Laboratory Duplicates

Internal laboratory duplicate analyses are performed to monitor the precision of the analyses. Two separate aliquots of a sample are analyzed as distinct samples in the laboratory and the RPD between the two results is calculated. Duplicate analyses should be performed once per analytical batch. If one or more of the samples used has a concentration less than five times the reporting limit for that sample, the absolute difference is used instead of the RPD. For organic analyses, the RPD control limits are specified in the laboratory documents. For inorganic analyses, the RPD control limit for groundwater samples is 20 percent. Laboratory duplicates were analyzed at the proper frequency and the specified acceptance criteria were met, with the following exceptions.

- **SDG 2105-160 (Metals):** An internal laboratory duplicate was performed on Sample IAEX-47-10. The RPD values for lead and zinc were greater than the control limit of 20% in this QC sample pair. For this reason, the any positive results for these elements were qualified as estimated (J) in all the samples associated with this SDG: IAEX-47-10, IAEX-48-15, DUP-210517, and IAEX-49-20. It was noted that there were no positive results for lead in Samples IAEX-48-15, DUP-210517, and IAEX-49-20; for this reason no action was required for lead in any of these samples.
- **SDG 2105-222 (Metals):** An internal laboratory duplicate was performed on Sample IAEX-54-4. The RPD value for mercury were greater than the control limit of 20% in this QC sample pair. For this reason, the any positive results for these elements were qualified as estimated (J) in all the samples associated with this SDG: IAEX-47-10, IAEX-48-15, DUP-210517, and IAEX-49-20. It was noted that there were no positive

results for lead in Samples IAEX-48-15, DUP-210517, and IAEX-49-20; for this reason no action was required for lead in any of these samples.

Field Duplicates

In order to assess field sampling precision, field duplicate samples were collected and analyzed along with the reviewed sample batches. The duplicate samples were analyzed for the same parameters as the associated parent samples. Precision is determined by calculating the RPD between each pair of samples. If one or more of the sample analytes has a concentration less than five times the reporting limit for that sample, then the absolute difference is used as a measurement of precision instead of the RPD. The RPD control limit for soil samples is 50 percent, while the absolute difference control limit is simply the highest PQL between the two samples multiplied by 2.

- **SDG 2105-103:** One field duplicate sample pair, IAEX-34-2 & DUP-210511, was submitted with this SDG. The precision criteria for mentioned above were met for all analytes in this sample pair. No qualifiers were required.
- **SDG 2105-160:** One field duplicate sample pair, IAEX-48-15 & DUP-210517, was submitted with this SDG. The precision criteria for mentioned above were met for all analytes in this sample pair. No qualifiers were required.

Initial and Continuing Calibrations (ICALs & CCALs)

All initial calibrations were conducted according to the laboratory methods and consisted of the appropriate number of standards. For inorganic analyses, this consisted of having an instrument blank and five calibration standards. All correlation coefficients were at least 0.995 and all ICV and CCV %R values were within the control limits of $\pm 10\%$ stated in the National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2017), with the following exceptions.

- **SDG 2105-069:** (Herbicides) The closing CCV %D values (5/10/21; Both columns) were less than -20% for Dicamba. There were no positive results for this target analyte in any of the associated samples. The reporting limits were qualified as estimated (UJ) in Samples IAEX-27-25, IAEX-28-28, IAEX-29-25, and IAEX-30-30.
- **SDG 2105-148:** (Pesticides) The closing CCV %D values (5/18/21; Both columns) were less than -20% for TCMX, gamma-chlordane, alpha-chlordane, endrin aldehyde, methoxychlor, and endrin ketone. There were no positive results for these target analytes in any of the associated samples. The reporting limits for these compounds were qualified as estimated (UJ) in Samples IAEX-44-30, IAEX-45-30, and IAEX-46-10.

Reporting Limits

The Laboratory Method Reporting Limits (MRLs) met the requirements prescribed on the Chain-of-Custody and the Work Plan described below, with the following exceptions:

- The PQLs for benzyl alcohol and 4-chloro-3-methylphenol were elevated in Sample IAEX-1-6. These adjusted increases in PQLs did not hinder the usefulness of this data because the analyte concentrations were all far less than the stated cleanup levels in the work plan.

OVERALL ASSESSMENT

As was determined by this data validation, the laboratory followed the specified analytical methods. Accuracy was acceptable, as demonstrated by the surrogates, LCS/LCSD, and MS/MSD percent recovery values, with the exceptions mentioned above. Precision was also acceptable, as demonstrated by the LCS/LCSD, MS/MSD and laboratory/field duplicate RPD values, with the exceptions mentioned above.

Data were qualified as estimated because of continuing calibration outliers, internal laboratory precision outliers, and matrix spike accuracy outliers. All data are acceptable for the intended use.

The data are acceptable for the intended use, with the following qualifications listed below in Table 2.

TABLE 2. SUMMARY OF QUALIFIED SAMPLES

Sample ID	Analyte	Qualifier	Reason
IAEX-27-25	Dicamba	UJ	Continuing Calibration
IAEX-28-28	Dicamba	UJ	Continuing Calibration
IAEX-29-25	Dicamba	UJ	Continuing Calibration
IAEX-30-30	Dicamba	UJ	Continuing Calibration
IAEX-44-30	TCMX	UJ	Continuing Calibration
IAEX-44-30	Alpha-chlordane	UJ	Continuing Calibration
IAEX-44-30	Gamma-chlordane	UJ	Continuing Calibration
IAEX-44-30	Endrin aldehyde	UJ	Continuing Calibration
IAEX-44-30	Methoxychlor	UJ	Continuing Calibration
IAEX-44-30	Endrin ketone	UJ	Continuing Calibration
IAEX-45-30	TCMX	UJ	Continuing Calibration
IAEX-45-30	Alpha-chlordane	UJ	Continuing Calibration
IAEX-45-30	Gamma-chlordane	UJ	Continuing Calibration
IAEX-45-30	Endrin aldehyde	UJ	Continuing Calibration
IAEX-45-30	Methoxychlor	UJ	Continuing Calibration
IAEX-45-30	Endrin ketone	UJ	Continuing Calibration
IAEX-46-10	TCMX	UJ	Continuing Calibration
IAEX-46-10	Alpha-chlordane	UJ	Continuing Calibration
IAEX-46-10	Gamma-chlordane	UJ	Continuing Calibration
IAEX-46-10	Endrin aldehyde	UJ	Continuing Calibration
IAEX-46-10	Methoxychlor	UJ	Continuing Calibration
IAEX-46-10	Endrin ketone	UJ	Continuing Calibration
IAEX-47-10	Lead	J	MS/MSD RPD
IAEX-47-10	Lead	J	Internal Duplicate RPD
IAEX-47-10	Zinc	J	Internal Duplicate RPD

Sample ID	Analyte	Qualifier	Reason
IAEX-48-15	Zinc	J	Internal Duplicate RPD
DUP-210517	Zinc	J	Internal Duplicate RPD
IAEX-49-20	Zinc	J	Internal Duplicate RPD

REFERENCES

GeoEngineers, Inc., "Interim Action Work Plan, Go East Corp Landfill Site, Everett, Washington, Ecology Agreed Order No. DE 18121 - prepared for Washington State Department of Ecology on Behalf of PG&E, LLC. GEI File No. 6694-002-03, April 23, 2020.

U.S. Environmental Protection Agency (USEPA). "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use," EPA-540-R-08-005. January 2009.

U.S. Environmental Protection Agency (USEPA). "National Functional Guidelines for Organic Superfund Methods Data Review," EPA-540-R-2017-001, USEPA, January 2017.

U.S. Environmental Protection Agency (USEPA). "National Functional Guidelines for Inorganic Superfund Methods Data Review," EPA-540-R-2017-002, USEPA, January 2017.



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 30, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2104-264

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on April 27, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 30, 2021
Samples Submitted: April 27, 2021
Laboratory Reference: 2104-264
Project: 6694-002-03 T700

Case Narrative

Samples were collected on April 27, 2021 and received by the laboratory on April 27, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: April 30, 2021
Samples Submitted: April 27, 2021
Laboratory Reference: 2104-264
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-1-6	04-264-01	Soil	4-27-21	4-27-21	
IAEX-2-25	04-264-02	Soil	4-27-21	4-27-21	
IAEX-3-25	04-264-03	Soil	4-27-21	4-27-21	



Date of Report: April 30, 2021
 Samples Submitted: April 27, 2021
 Laboratory Reference: 2104-264
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-1-6					
Laboratory ID:	04-264-01					
Gasoline	ND	6.7	NWTPH-Gx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	58-129				
Client ID:	IAEX-2-25					
Laboratory ID:	04-264-02					
Gasoline	ND	5.6	NWTPH-Gx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	58-129				
Client ID:	IAEX-3-25					
Laboratory ID:	04-264-03					
Gasoline	ND	5.7	NWTPH-Gx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	58-129				



Date of Report: April 30, 2021
 Samples Submitted: April 27, 2021
 Laboratory Reference: 2104-264
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-1-6					
Laboratory ID:	04-264-01					
Diesel Range Organics	ND	29	NWTPH-Dx	4-28-21	4-28-21	
Lube Oil Range Organics	59	57	NWTPH-Dx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>81</i>	<i>50-150</i>				

Client ID:	IAEX-2-25					
Laboratory ID:	04-264-02					
Diesel Range Organics	ND	27	NWTPH-Dx	4-28-21	4-28-21	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>88</i>	<i>50-150</i>				

Client ID:	IAEX-3-25					
Laboratory ID:	04-264-03					
Diesel Range Organics	ND	28	NWTPH-Dx	4-28-21	4-28-21	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>76</i>	<i>50-150</i>				



Date of Report: April 30, 2021
 Samples Submitted: April 27, 2021
 Laboratory Reference: 2104-264
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-1-6					
Laboratory ID:	04-264-01					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chloromethane	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromomethane	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Chloroethane	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Acetone	ND	0.014	EPA 8260D	4-28-21	4-28-21	
Iodomethane	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methylene Chloride	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Vinyl Acetate	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Butanone	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Bromochloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chloroform	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Benzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Trichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Dibromomethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methyl Isobutyl Ketone	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Toluene	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	



Date of Report: April 30, 2021
 Samples Submitted: April 27, 2021
 Laboratory Reference: 2104-264
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-1-6					
Laboratory ID:	04-264-01					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Hexanone	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Ethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
m,p-Xylene	ND	0.0022	EPA 8260D	4-28-21	4-28-21	
o-Xylene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Styrene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromoform	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromo-3-chloropropane	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Hexachlorobutadiene	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Naphthalene	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	113	74-131				
<i>Toluene-d8</i>	95	78-128				
<i>4-Bromofluorobenzene</i>	101	71-130				



Date of Report: April 30, 2021
 Samples Submitted: April 27, 2021
 Laboratory Reference: 2104-264
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-2-25					
Laboratory ID:	04-264-02					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chloromethane	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromomethane	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Chloroethane	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Acetone	ND	0.015	EPA 8260D	4-28-21	4-28-21	
Iodomethane	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methylene Chloride	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Vinyl Acetate	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Butanone	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Bromochloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chloroform	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Benzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Trichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Dibromomethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methyl Isobutyl Ketone	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Toluene	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-2-25					
Laboratory ID:	04-264-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Hexanone	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Ethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
m,p-Xylene	ND	0.0022	EPA 8260D	4-28-21	4-28-21	
o-Xylene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Styrene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromoform	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromo-3-chloropropane	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Hexachlorobutadiene	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
Naphthalene	ND	0.0056	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>112</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-130</i>				



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 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-3-25					
Laboratory ID:	04-264-03					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chloromethane	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromomethane	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Chloroethane	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Acetone	ND	0.014	EPA 8260D	4-28-21	4-28-21	
Iodomethane	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methylene Chloride	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Vinyl Acetate	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Butanone	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Bromochloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chloroform	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Benzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Trichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Dibromomethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methyl Isobutyl Ketone	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Toluene	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-3-25					
Laboratory ID:	04-264-03					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Hexanone	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Ethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
m,p-Xylene	ND	0.0022	EPA 8260D	4-28-21	4-28-21	
o-Xylene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Styrene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromoform	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Hexachlorobutadiene	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Naphthalene	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>109</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-130</i>				



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 Laboratory Reference: 2104-264
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-1-6					
Laboratory ID:	04-264-01					
n-Nitrosodimethylamine	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Pyridine	ND	0.38	EPA 8270E	4-28-21	4-29-21	
Phenol	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Aniline	ND	0.19	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroethyl)ether	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2-Chlorophenol	ND	0.038	EPA 8270E	4-28-21	4-29-21	
1,3-Dichlorobenzene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
1,4-Dichlorobenzene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Benzyl alcohol	ND	0.082	EPA 8270E	4-28-21	4-29-21	U1
1,2-Dichlorobenzene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2-Methylphenol (o-Cresol)	ND	0.051	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroisopropyl)ether	ND	0.038	EPA 8270E	4-28-21	4-29-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.038	EPA 8270E	4-28-21	4-29-21	
n-Nitroso-di-n-propylamine	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Hexachloroethane	ND	0.053	EPA 8270E	4-28-21	4-29-21	
Nitrobenzene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Isophorone	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2-Nitrophenol	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2,4-Dimethylphenol	ND	0.048	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroethoxy)methane	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2,4-Dichlorophenol	ND	0.038	EPA 8270E	4-28-21	4-29-21	
1,2,4-Trichlorobenzene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Naphthalene	0.0082	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
4-Chloroaniline	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Hexachlorobutadiene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
4-Chloro-3-methylphenol	ND	0.045	EPA 8270E	4-28-21	4-29-21	U1
2-Methylnaphthalene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
1-Methylnaphthalene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
Hexachlorocyclopentadiene	ND	0.087	EPA 8270E	4-28-21	4-29-21	
2,4,6-Trichlorophenol	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2,3-Dichloroaniline	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2,4,5-Trichlorophenol	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2-Chloronaphthalene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2-Nitroaniline	ND	0.038	EPA 8270E	4-28-21	4-29-21	
1,4-Dinitrobenzene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Dimethylphthalate	ND	0.038	EPA 8270E	4-28-21	4-29-21	
1,3-Dinitrobenzene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2,6-Dinitrotoluene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
1,2-Dinitrobenzene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Acenaphthylene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
3-Nitroaniline	ND	0.038	EPA 8270E	4-28-21	4-29-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-1-6					
Laboratory ID:	04-264-01					
2,4-Dinitrophenol	ND	0.52	EPA 8270E	4-28-21	4-29-21	
Acenaphthene	0.014	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
4-Nitrophenol	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2,4-Dinitrotoluene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Dibenzofuran	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2,3,5,6-Tetrachlorophenol	ND	0.038	EPA 8270E	4-28-21	4-29-21	
2,3,4,6-Tetrachlorophenol	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Diethylphthalate	ND	0.19	EPA 8270E	4-28-21	4-29-21	
4-Chlorophenyl-phenylether	ND	0.038	EPA 8270E	4-28-21	4-29-21	
4-Nitroaniline	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Fluorene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
4,6-Dinitro-2-methylphenol	ND	0.39	EPA 8270E	4-28-21	4-29-21	
n-Nitrosodiphenylamine	ND	0.038	EPA 8270E	4-28-21	4-29-21	
1,2-Diphenylhydrazine	ND	0.038	EPA 8270E	4-28-21	4-29-21	
4-Bromophenyl-phenylether	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Hexachlorobenzene	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Pentachlorophenol	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Phenanthrene	0.016	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
Anthracene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
Carbazole	ND	0.038	EPA 8270E	4-28-21	4-29-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Fluoranthene	0.015	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
Pyrene	0.026	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	4-28-21	4-29-21	
bis-2-Ethylhexyladipate	ND	0.24	EPA 8270E	4-28-21	4-29-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Benzo[a]anthracene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
Chrysene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Benzo[b]fluoranthene	0.0081	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo(j,k)fluoranthene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo[a]pyrene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
Indeno[1,2,3-cd]pyrene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
Dibenz[a,h]anthracene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo[g,h,i]perylene	ND	0.0076	EPA 8270E/SIM	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	74	22 - 109				
Phenol-d6	108	36 - 110				
Nitrobenzene-d5	106	31 - 109				
2-Fluorobiphenyl	91	45 - 107				
2,4,6-Tribromophenol	98	43 - 124				
Terphenyl-d14	92	52 - 118				



Date of Report: April 30, 2021
 Samples Submitted: April 27, 2021
 Laboratory Reference: 2104-264
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-2-25					
Laboratory ID:	04-264-02					
n-Nitrosodimethylamine	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Pyridine	ND	0.36	EPA 8270E	4-28-21	4-29-21	
Phenol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Aniline	ND	0.18	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroethyl)ether	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2-Chlorophenol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
1,3-Dichlorobenzene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
1,4-Dichlorobenzene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Benzyl alcohol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
1,2-Dichlorobenzene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2-Methylphenol (o-Cresol)	ND	0.036	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroisopropyl)ether	ND	0.036	EPA 8270E	4-28-21	4-29-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.036	EPA 8270E	4-28-21	4-29-21	
n-Nitroso-di-n-propylamine	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Hexachloroethane	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Nitrobenzene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Isophorone	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2-Nitrophenol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2,4-Dimethylphenol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroethoxy)methane	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2,4-Dichlorophenol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
1,2,4-Trichlorobenzene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Naphthalene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
4-Chloroaniline	ND	0.18	EPA 8270E	4-28-21	4-29-21	
Hexachlorobutadiene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
4-Chloro-3-methylphenol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
1-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
Hexachlorocyclopentadiene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2,4,6-Trichlorophenol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2,3-Dichloroaniline	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2,4,5-Trichlorophenol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2-Chloronaphthalene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2-Nitroaniline	ND	0.036	EPA 8270E	4-28-21	4-29-21	
1,4-Dinitrobenzene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Dimethylphthalate	ND	0.036	EPA 8270E	4-28-21	4-29-21	
1,3-Dinitrobenzene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2,6-Dinitrotoluene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
1,2-Dinitrobenzene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Acenaphthylene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
3-Nitroaniline	ND	0.036	EPA 8270E	4-28-21	4-29-21	



Date of Report: April 30, 2021
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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-2-25					
Laboratory ID:	04-264-02					
2,4-Dinitrophenol	ND	0.18	EPA 8270E	4-28-21	4-29-21	
Acenaphthene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
4-Nitrophenol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2,4-Dinitrotoluene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Dibenzofuran	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2,3,5,6-Tetrachlorophenol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
2,3,4,6-Tetrachlorophenol	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Diethylphthalate	ND	0.18	EPA 8270E	4-28-21	4-29-21	
4-Chlorophenyl-phenylether	ND	0.036	EPA 8270E	4-28-21	4-29-21	
4-Nitroaniline	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Fluorene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
4,6-Dinitro-2-methylphenol	ND	0.18	EPA 8270E	4-28-21	4-29-21	
n-Nitrosodiphenylamine	ND	0.036	EPA 8270E	4-28-21	4-29-21	
1,2-Diphenylhydrazine	ND	0.036	EPA 8270E	4-28-21	4-29-21	
4-Bromophenyl-phenylether	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Hexachlorobenzene	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Pentachlorophenol	ND	0.18	EPA 8270E	4-28-21	4-29-21	
Phenanthrene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
Anthracene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
Carbazole	ND	0.036	EPA 8270E	4-28-21	4-29-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	4-28-21	4-29-21	
Fluoranthene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
Pyrene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	4-28-21	4-29-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	4-28-21	4-29-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	4-28-21	4-29-21	
Benzo[a]anthracene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
Chrysene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	4-28-21	4-29-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	4-28-21	4-29-21	
Benzo[b]fluoranthene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo(j,k)fluoranthene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo[a]pyrene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
Indeno[1,2,3-cd]pyrene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
Dibenz[a,h]anthracene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo[g,h,i]perylene	ND	0.0072	EPA 8270E/SIM	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	50	22 - 109				
Phenol-d6	69	36 - 110				
Nitrobenzene-d5	67	31 - 109				
2-Fluorobiphenyl	62	45 - 107				
2,4,6-Tribromophenol	79	43 - 124				
Terphenyl-d14	67	52 - 118				



Date of Report: April 30, 2021
 Samples Submitted: April 27, 2021
 Laboratory Reference: 2104-264
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-3-25					
Laboratory ID:	04-264-03					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Pyridine	ND	0.37	EPA 8270E	4-28-21	4-29-21	
Phenol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Aniline	ND	0.19	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2-Chlorophenol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Benzyl alcohol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	4-28-21	4-29-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	4-28-21	4-29-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Hexachloroethane	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Nitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Isophorone	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2-Nitrophenol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Naphthalene	0.0083	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
4-Chloroaniline	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
1-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-29-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Dimethylphthalate	ND	0.037	EPA 8270E	4-28-21	4-29-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Acenaphthylene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
3-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-29-21	



Date of Report: April 30, 2021
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 Laboratory Reference: 2104-264
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-3-25					
Laboratory ID:	04-264-03					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Acenaphthene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
4-Nitrophenol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Dibenzofuran	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Diethylphthalate	ND	0.19	EPA 8270E	4-28-21	4-29-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	4-28-21	4-29-21	
4-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Fluorene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270E	4-28-21	4-29-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	4-28-21	4-29-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	4-28-21	4-29-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Pentachlorophenol	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Phenanthrene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
Anthracene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
Carbazole	ND	0.037	EPA 8270E	4-28-21	4-29-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Fluoranthene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
Pyrene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	4-28-21	4-29-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	4-28-21	4-29-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Benzo[a]anthracene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
Chrysene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	4-28-21	4-29-21	
Benzo[b]fluoranthene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo(j,k)fluoranthene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo[a]pyrene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
Indeno[1,2,3-cd]pyrene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
Dibenz[a,h]anthracene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo[g,h,i]perylene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	56	22 - 109				
Phenol-d6	80	36 - 110				
Nitrobenzene-d5	93	31 - 109				
2-Fluorobiphenyl	78	45 - 107				
2,4,6-Tribromophenol	102	43 - 124				
Terphenyl-d14	87	52 - 118				



Date of Report: April 30, 2021
 Samples Submitted: April 27, 2021
 Laboratory Reference: 2104-264
 Project: 6694-002-03 T700

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-1-6					
Laboratory ID:	04-264-01					
Aroclor 1016	ND	0.057	EPA 8082A	4-28-21	4-28-21	
Aroclor 1221	ND	0.057	EPA 8082A	4-28-21	4-28-21	
Aroclor 1232	ND	0.057	EPA 8082A	4-28-21	4-28-21	
Aroclor 1242	ND	0.057	EPA 8082A	4-28-21	4-28-21	
Aroclor 1248	ND	0.057	EPA 8082A	4-28-21	4-28-21	
Aroclor 1254	ND	0.057	EPA 8082A	4-28-21	4-28-21	
Aroclor 1260	ND	0.057	EPA 8082A	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	86	46-125				
Client ID:	IAEX-2-25					
Laboratory ID:	04-264-02					
Aroclor 1016	ND	0.054	EPA 8082A	4-28-21	4-28-21	
Aroclor 1221	ND	0.054	EPA 8082A	4-28-21	4-28-21	
Aroclor 1232	ND	0.054	EPA 8082A	4-28-21	4-28-21	
Aroclor 1242	ND	0.054	EPA 8082A	4-28-21	4-28-21	
Aroclor 1248	ND	0.054	EPA 8082A	4-28-21	4-28-21	
Aroclor 1254	ND	0.054	EPA 8082A	4-28-21	4-28-21	
Aroclor 1260	ND	0.054	EPA 8082A	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	86	46-125				
Client ID:	IAEX-3-25					
Laboratory ID:	04-264-03					
Aroclor 1016	ND	0.056	EPA 8082A	4-28-21	4-28-21	
Aroclor 1221	ND	0.056	EPA 8082A	4-28-21	4-28-21	
Aroclor 1232	ND	0.056	EPA 8082A	4-28-21	4-28-21	
Aroclor 1242	ND	0.056	EPA 8082A	4-28-21	4-28-21	
Aroclor 1248	ND	0.056	EPA 8082A	4-28-21	4-28-21	
Aroclor 1254	ND	0.056	EPA 8082A	4-28-21	4-28-21	
Aroclor 1260	ND	0.056	EPA 8082A	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	81	46-125				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-1-6					
Laboratory ID:	04-264-01					
alpha-BHC	ND	5.7	EPA 8081B	4-29-21	4-29-21	
gamma-BHC (Lindane)	ND	5.7	EPA 8081B	4-29-21	4-29-21	
beta-BHC	ND	5.7	EPA 8081B	4-29-21	4-29-21	
delta-BHC	ND	5.7	EPA 8081B	4-29-21	4-29-21	
Heptachlor	ND	5.7	EPA 8081B	4-29-21	4-29-21	
Aldrin	ND	5.7	EPA 8081B	4-29-21	4-29-21	
Heptachlor Epoxide	ND	5.7	EPA 8081B	4-29-21	4-29-21	
gamma-Chlordane	ND	5.7	EPA 8081B	4-29-21	4-29-21	
alpha-Chlordane	ND	11	EPA 8081B	4-29-21	4-29-21	
4,4'-DDE	ND	11	EPA 8081B	4-29-21	4-29-21	
Endosulfan I	ND	5.7	EPA 8081B	4-29-21	4-29-21	
Dieldrin	ND	11	EPA 8081B	4-29-21	4-29-21	
Endrin	ND	5.7	EPA 8081B	4-29-21	4-29-21	
4,4'-DDD	ND	11	EPA 8081B	4-29-21	4-29-21	
Endosulfan II	ND	11	EPA 8081B	4-29-21	4-29-21	
4,4'-DDT	ND	11	EPA 8081B	4-29-21	4-29-21	
Endrin Aldehyde	ND	11	EPA 8081B	4-29-21	4-29-21	
Methoxychlor	ND	11	EPA 8081B	4-29-21	4-29-21	
Endosulfan Sulfate	ND	11	EPA 8081B	4-29-21	4-29-21	
Endrin Ketone	ND	11	EPA 8081B	4-29-21	4-29-21	
Toxaphene	ND	57	EPA 8081B	4-29-21	4-29-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	95	33-97				
DCB	99	36-115				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-2-25					
Laboratory ID:	04-264-02					
alpha-BHC	ND	5.4	EPA 8081B	4-29-21	4-29-21	
gamma-BHC (Lindane)	ND	5.4	EPA 8081B	4-29-21	4-29-21	
beta-BHC	ND	5.4	EPA 8081B	4-29-21	4-29-21	
delta-BHC	ND	5.4	EPA 8081B	4-29-21	4-29-21	
Heptachlor	ND	5.4	EPA 8081B	4-29-21	4-29-21	
Aldrin	ND	5.4	EPA 8081B	4-29-21	4-29-21	
Heptachlor Epoxide	ND	5.4	EPA 8081B	4-29-21	4-29-21	
gamma-Chlordane	ND	5.4	EPA 8081B	4-29-21	4-29-21	
alpha-Chlordane	ND	11	EPA 8081B	4-29-21	4-29-21	
4,4'-DDE	ND	11	EPA 8081B	4-29-21	4-29-21	
Endosulfan I	ND	5.4	EPA 8081B	4-29-21	4-29-21	
Dieldrin	ND	11	EPA 8081B	4-29-21	4-29-21	
Endrin	ND	5.4	EPA 8081B	4-29-21	4-29-21	
4,4'-DDD	ND	11	EPA 8081B	4-29-21	4-29-21	
Endosulfan II	ND	11	EPA 8081B	4-29-21	4-29-21	
4,4'-DDT	ND	11	EPA 8081B	4-29-21	4-29-21	
Endrin Aldehyde	ND	11	EPA 8081B	4-29-21	4-29-21	
Methoxychlor	ND	11	EPA 8081B	4-29-21	4-29-21	
Endosulfan Sulfate	ND	11	EPA 8081B	4-29-21	4-29-21	
Endrin Ketone	ND	11	EPA 8081B	4-29-21	4-29-21	
Toxaphene	ND	54	EPA 8081B	4-29-21	4-29-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	97	33-97				
DCB	99	36-115				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-3-25					
Laboratory ID:	04-264-03					
alpha-BHC	ND	5.6	EPA 8081B	4-29-21	4-29-21	
gamma-BHC (Lindane)	ND	5.6	EPA 8081B	4-29-21	4-29-21	
beta-BHC	ND	5.6	EPA 8081B	4-29-21	4-29-21	
delta-BHC	ND	5.6	EPA 8081B	4-29-21	4-29-21	
Heptachlor	ND	5.6	EPA 8081B	4-29-21	4-29-21	
Aldrin	ND	5.6	EPA 8081B	4-29-21	4-29-21	
Heptachlor Epoxide	ND	5.6	EPA 8081B	4-29-21	4-29-21	
gamma-Chlordane	ND	5.6	EPA 8081B	4-29-21	4-29-21	
alpha-Chlordane	ND	11	EPA 8081B	4-29-21	4-29-21	
4,4'-DDE	ND	11	EPA 8081B	4-29-21	4-29-21	
Endosulfan I	ND	5.6	EPA 8081B	4-29-21	4-29-21	
Dieldrin	ND	11	EPA 8081B	4-29-21	4-29-21	
Endrin	ND	5.6	EPA 8081B	4-29-21	4-29-21	
4,4'-DDD	ND	11	EPA 8081B	4-29-21	4-29-21	
Endosulfan II	ND	11	EPA 8081B	4-29-21	4-29-21	
4,4'-DDT	ND	11	EPA 8081B	4-29-21	4-29-21	
Endrin Aldehyde	ND	11	EPA 8081B	4-29-21	4-29-21	
Methoxychlor	ND	11	EPA 8081B	4-29-21	4-29-21	
Endosulfan Sulfate	ND	11	EPA 8081B	4-29-21	4-29-21	
Endrin Ketone	ND	11	EPA 8081B	4-29-21	4-29-21	
Toxaphene	ND	56	EPA 8081B	4-29-21	4-29-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	91	33-97				
DCB	96	36-115				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-1-6					
Laboratory ID:	04-264-01					
Dalapon	ND	210	EPA 8151A	4-29-21	4-29-21	
Dicamba	ND	11	EPA 8151A	4-29-21	4-29-21	
MCPPP	ND	1100	EPA 8151A	4-29-21	4-29-21	
MCPA	ND	2700	EPA 8151A	4-29-21	4-29-21	
Dichlorprop	ND	81	EPA 8151A	4-29-21	4-29-21	
2,4-D	ND	11	EPA 8151A	4-29-21	4-29-21	
Pentachlorophenol	ND	5.4	EPA 8151A	4-29-21	4-29-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	4-29-21	4-29-21	
2,4,5-T	ND	11	EPA 8151A	4-29-21	4-29-21	
2,4-DB	ND	11	EPA 8151A	4-29-21	4-29-21	
Dinoseb	ND	11	EPA 8151A	4-29-21	4-29-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	81	18-119				
Client ID:	IAEX-2-25					
Laboratory ID:	04-264-02					
Dalapon	ND	200	EPA 8151A	4-29-21	4-29-21	
Dicamba	ND	10	EPA 8151A	4-29-21	4-29-21	
MCPPP	ND	1000	EPA 8151A	4-29-21	4-29-21	
MCPA	ND	2500	EPA 8151A	4-29-21	4-29-21	
Dichlorprop	ND	76	EPA 8151A	4-29-21	4-29-21	
2,4-D	ND	10	EPA 8151A	4-29-21	4-29-21	
Pentachlorophenol	ND	5.1	EPA 8151A	4-29-21	4-29-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	4-29-21	4-29-21	
2,4,5-T	ND	10	EPA 8151A	4-29-21	4-29-21	
2,4-DB	ND	10	EPA 8151A	4-29-21	4-29-21	
Dinoseb	ND	10	EPA 8151A	4-29-21	4-29-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	83	18-119				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-3-25					
Laboratory ID:	04-264-03					
Dalapon	ND	200	EPA 8151A	4-29-21	4-29-21	
Dicamba	ND	10	EPA 8151A	4-29-21	4-29-21	
MCPPP	ND	1000	EPA 8151A	4-29-21	4-29-21	
MCPA	ND	2600	EPA 8151A	4-29-21	4-29-21	
Dichlorprop	ND	79	EPA 8151A	4-29-21	4-29-21	
2,4-D	ND	10	EPA 8151A	4-29-21	4-29-21	
Pentachlorophenol	ND	5.3	EPA 8151A	4-29-21	4-29-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	4-29-21	4-29-21	
2,4,5-T	ND	11	EPA 8151A	4-29-21	4-29-21	
2,4-DB	ND	11	EPA 8151A	4-29-21	4-29-21	
Dinoseb	ND	11	EPA 8151A	4-29-21	4-29-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	81	18-119				



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**TOTAL METALS
 EPA 6010D/7471B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-1-6					
Laboratory ID:	04-264-01					
Arsenic	ND	11	EPA 6010D	4-29-21	4-29-21	
Cadmium	ND	0.57	EPA 6010D	4-29-21	4-29-21	
Chromium	26	0.57	EPA 6010D	4-29-21	4-29-21	
Copper	12	1.1	EPA 6010D	4-29-21	4-29-21	
Lead	15	5.7	EPA 6010D	4-29-21	4-29-21	
Mercury	0.037	0.023	EPA 7471B	4-28-21	4-28-21	
Nickel	45	2.8	EPA 6010D	4-29-21	4-29-21	
Selenium	ND	0.57	EPA 6020B	4-29-21	4-29-21	
Zinc	32	2.8	EPA 6010D	4-29-21	4-29-21	

Client ID:	IAEX-2-25					
Laboratory ID:	04-264-02					
Arsenic	ND	11	EPA 6010D	4-29-21	4-29-21	
Cadmium	ND	0.54	EPA 6010D	4-29-21	4-29-21	
Chromium	27	0.54	EPA 6010D	4-29-21	4-29-21	
Copper	11	1.1	EPA 6010D	4-29-21	4-29-21	
Lead	ND	5.4	EPA 6010D	4-29-21	4-29-21	
Mercury	0.025	0.021	EPA 7471B	4-28-21	4-28-21	
Nickel	44	2.7	EPA 6010D	4-29-21	4-29-21	
Selenium	ND	0.54	EPA 6020B	4-29-21	4-29-21	
Zinc	24	2.7	EPA 6010D	4-29-21	4-29-21	

Client ID:	IAEX-3-25					
Laboratory ID:	04-264-03					
Arsenic	ND	11	EPA 6010D	4-29-21	4-29-21	
Cadmium	ND	0.56	EPA 6010D	4-29-21	4-29-21	
Chromium	26	0.56	EPA 6010D	4-29-21	4-29-21	
Copper	9.9	1.1	EPA 6010D	4-29-21	4-29-21	
Lead	ND	5.6	EPA 6010D	4-29-21	4-29-21	
Mercury	0.026	0.022	EPA 7471B	4-28-21	4-28-21	
Nickel	43	2.8	EPA 6010D	4-29-21	4-29-21	
Selenium	ND	0.56	EPA 6020B	4-29-21	4-29-21	
Zinc	26	2.8	EPA 6010D	4-29-21	4-29-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S2					
Gasoline	ND	5.0	NWTPH-Gx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	58-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-227-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				93	93	58-129		



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S1					
Diesel Range Organics	ND	25	NWTPH-Dx	4-28-21	4-28-21	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	88	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-264-01							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range Organics	51.6	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				81	85	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Chloromethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Bromomethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Chloroethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Acetone	ND	0.013	EPA 8260D	4-28-21	4-28-21	
Iodomethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Methylene Chloride	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
2-Butanone	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Bromochloromethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Chloroform	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Benzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Trichloroethene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Dibromomethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Toluene	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
2-Hexanone	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Chlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Ethylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
m,p-Xylene	ND	0.0020	EPA 8260D	4-28-21	4-28-21	
o-Xylene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Styrene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Bromoform	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Bromobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Naphthalene	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>114</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0428S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0428	0.0432	0.0500	0.0500	86	86	55-126	1	17	
Benzene	0.0521	0.0533	0.0500	0.0500	104	107	65-121	2	16	
Trichloroethene	0.0532	0.0532	0.0500	0.0500	106	106	74-126	0	16	
Toluene	0.0480	0.0482	0.0500	0.0500	96	96	71-121	0	16	
Chlorobenzene	0.0490	0.0497	0.0500	0.0500	98	99	72-123	1	16	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					99	94	74-131			
<i>Toluene-d8</i>					96	94	78-128			
<i>4-Bromofluorobenzene</i>					105	104	71-130			



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S2					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Pyridine	ND	0.33	EPA 8270E	4-28-21	4-29-21	
Phenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Aniline	ND	0.17	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Chlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Benzyl alcohol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	4-28-21	4-29-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	4-28-21	4-29-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Hexachloroethane	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Nitrobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Isophorone	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Nitrophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
4-Chloroaniline	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Nitroaniline	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Dimethylphthalate	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
3-Nitroaniline	ND	0.033	EPA 8270E	4-28-21	4-29-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S2					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
4-Nitrophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Dibenzofuran	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Diethylphthalate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	4-28-21	4-29-21	
4-Nitroaniline	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270E	4-28-21	4-29-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	4-28-21	4-29-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Pentachlorophenol	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Carbazole	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	63	22 - 109				
Phenol-d6	85	36 - 110				
Nitrobenzene-d5	88	31 - 109				
2-Fluorobiphenyl	80	45 - 107				
2,4,6-Tribromophenol	88	43 - 124				
Terphenyl-d14	85	52 - 118				



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0428S2									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	1.33	1.19	1.33	1.33	100	89	47 - 104	11	30	
2-Chlorophenol	1.17	1.11	1.33	1.33	88	83	45 - 108	5	31	
1,4-Dichlorobenzene	0.521	0.484	0.667	0.667	78	73	41 - 105	7	32	
n-Nitroso-di-n-propylamine	0.544	0.524	0.667	0.667	82	79	47 - 103	4	28	
1,2,4-Trichlorobenzene	0.615	0.575	0.667	0.667	92	86	42 - 111	7	32	
4-Chloro-3-methylphenol	0.956	0.946	1.33	1.33	72	71	61 - 108	1	25	
Acenaphthene	0.506	0.456	0.667	0.667	76	68	54 - 102	10	23	
4-Nitrophenol	1.44	1.37	1.33	1.33	108	103	53 - 122	5	24	
2,4-Dinitrotoluene	0.554	0.636	0.667	0.667	83	95	57 - 107	14	22	
Pentachlorophenol	1.17	1.10	1.33	1.33	88	83	44 - 132	6	23	
Pyrene	0.545	0.522	0.667	0.667	82	78	58 - 111	4	21	
<i>Surrogate:</i>										
2-Fluorophenol					67	60	22 - 109			
Phenol-d6					96	94	36 - 110			
Nitrobenzene-d5					103	90	31 - 109			
2-Fluorobiphenyl					83	73	45 - 107			
2,4,6-Tribromophenol					99	97	43 - 124			
Terphenyl-d14					86	88	52 - 118			



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**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S1					
Aroclor 1016	ND	0.050	EPA 8082A	4-28-21	4-28-21	
Aroclor 1221	ND	0.050	EPA 8082A	4-28-21	4-28-21	
Aroclor 1232	ND	0.050	EPA 8082A	4-28-21	4-28-21	
Aroclor 1242	ND	0.050	EPA 8082A	4-28-21	4-28-21	
Aroclor 1248	ND	0.050	EPA 8082A	4-28-21	4-28-21	
Aroclor 1254	ND	0.050	EPA 8082A	4-28-21	4-28-21	
Aroclor 1260	ND	0.050	EPA 8082A	4-28-21	4-28-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	91		46-125			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0428S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.487	0.491	0.500	0.500	N/A	97	98	50-134	1	18	
Surrogate:											
DCB						96	91	46-125			



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 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0429S2					
alpha-BHC	ND	5.0	EPA 8081B	4-29-21	4-29-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	4-29-21	4-29-21	
beta-BHC	ND	5.0	EPA 8081B	4-29-21	4-29-21	
delta-BHC	ND	5.0	EPA 8081B	4-29-21	4-29-21	
Heptachlor	ND	5.0	EPA 8081B	4-29-21	4-29-21	
Aldrin	ND	5.0	EPA 8081B	4-29-21	4-29-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	4-29-21	4-29-21	
gamma-Chlordane	ND	5.0	EPA 8081B	4-29-21	4-29-21	
alpha-Chlordane	ND	10	EPA 8081B	4-29-21	4-29-21	
4,4'-DDE	ND	10	EPA 8081B	4-29-21	4-29-21	
Endosulfan I	ND	5.0	EPA 8081B	4-29-21	4-29-21	
Dieldrin	ND	10	EPA 8081B	4-29-21	4-29-21	
Endrin	ND	5.0	EPA 8081B	4-29-21	4-29-21	
4,4'-DDD	ND	10	EPA 8081B	4-29-21	4-29-21	
Endosulfan II	ND	10	EPA 8081B	4-29-21	4-29-21	
4,4'-DDT	ND	10	EPA 8081B	4-29-21	4-29-21	
Endrin Aldehyde	ND	10	EPA 8081B	4-29-21	4-29-21	
Methoxychlor	ND	10	EPA 8081B	4-29-21	4-29-21	
Endosulfan Sulfate	ND	10	EPA 8081B	4-29-21	4-29-21	
Endrin Ketone	ND	10	EPA 8081B	4-29-21	4-29-21	
Toxaphene	ND	50	EPA 8081B	4-29-21	4-29-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	91	33-97				
DCB	96	36-115				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	SB	SBD	SB	SBD	Result	Recovery	Limits	RPD	Limit		
SPIKE BLANKS											
Laboratory ID:	SB0429S2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	92.0	92.9	100	100	N/A	92	93	48-117	1	15	
gamma-BHC (Lindane)	88.9	89.8	100	100	N/A	89	90	48-118	1	15	
beta-BHC	91.4	92.0	100	100	N/A	91	92	48-116	1	15	
delta-BHC	88.0	90.3	100	100	N/A	88	90	40-118	3	15	
Heptachlor	93.7	96.2	100	100	N/A	94	96	40-114	3	15	
Aldrin	96.4	97.7	100	100	N/A	96	98	55-110	1	15	
Heptachlor Epoxide	95.2	96.9	100	100	N/A	95	97	49-110	2	15	
gamma-Chlordane	89.2	90.5	100	100	N/A	89	91	54-110	1	15	
alpha-Chlordane	96.3	97.9	100	100	N/A	96	98	53-110	2	15	
4,4'-DDE	112	115	100	100	N/A	112	115	57-119	3	15	
Endosulfan I	93.9	95.7	100	100	N/A	94	96	49-114	2	15	
Dieldrin	96.0	97.9	100	100	N/A	96	98	53-110	2	15	
Endrin	97.3	99.6	100	100	N/A	97	100	51-114	2	15	
4,4'-DDD	97.5	99.1	100	100	N/A	97	99	50-120	2	15	
Endosulfan II	91.5	92.9	100	100	N/A	91	93	50-110	2	15	
4,4'-DDT	90.2	92.7	100	100	N/A	90	93	47-128	3	15	
Endrin Aldehyde	92.3	94.4	100	100	N/A	92	94	42-110	2	15	
Methoxychlor	119	122	100	100	N/A	119	122	46-126	2	15	
Endosulfan Sulfate	92.3	94.6	100	100	N/A	92	95	50-110	2	15	
Endrin Ketone	86.2	87.8	100	100	N/A	86	88	47-114	2	15	
Surrogate:											
TCMX						94	95	33-97			
DCB						101	102	36-115			



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**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0429S1					
Dalapon	ND	180	EPA 8151A	4-29-21	4-29-21	
Dicamba	ND	9.4	EPA 8151A	4-29-21	4-29-21	
MCPPE	ND	940	EPA 8151A	4-29-21	4-29-21	
MCPA	ND	2300	EPA 8151A	4-29-21	4-29-21	
Dichlorprop	ND	71	EPA 8151A	4-29-21	4-29-21	
2,4-D	ND	9.4	EPA 8151A	4-29-21	4-29-21	
Pentachlorophenol	ND	4.8	EPA 8151A	4-29-21	4-29-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	4-29-21	4-29-21	
2,4,5-T	ND	9.5	EPA 8151A	4-29-21	4-29-21	
2,4-DB	ND	9.5	EPA 8151A	4-29-21	4-29-21	
Dinoseb	ND	9.5	EPA 8151A	4-29-21	4-29-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	87	18-119				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0429S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	670	927	1250	1250	N/A	54	74	10-105 32 35
Dicamba	198	202	250	250	N/A	79	81	32-106 2 20
MCPPE	17100	17500	25000	25000	N/A	68	70	19-143 2 23
MCPA	18100	18400	25000	25000	N/A	73	74	17-128 2 25
Dichlorprop	200	205	250	250	N/A	80	82	19-123 2 20
2,4-D	174	185	250	250	N/A	70	74	10-131 6 24
Pentachlorophenol	19.7	19.5	25.0	25.0	N/A	79	78	10-119 1 21
2,4,5-TP (Silvex)	212	210	250	250	N/A	85	84	38-127 1 18
2,4,5-T	212	214	250	250	N/A	85	86	24-144 1 19
2,4-DB	174	181	250	250	N/A	70	72	17-154 4 22
Dinoseb	148	155	250	250	N/A	59	62	10-124 5 32
<i>Surrogate:</i>								
DCAA						91	87	18-119



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 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0429SM3					
Arsenic	ND	10	EPA 6010D	4-29-21	4-29-21	
Cadmium	ND	0.50	EPA 6010D	4-29-21	4-29-21	
Chromium	ND	0.50	EPA 6010D	4-29-21	4-29-21	
Copper	ND	1.0	EPA 6010D	4-29-21	4-29-21	
Lead	ND	5.0	EPA 6010D	4-29-21	4-29-21	
Nickel	ND	2.5	EPA 6010D	4-29-21	4-29-21	
Zinc	ND	2.5	EPA 6010D	4-29-21	4-29-21	
Laboratory ID:	MB0429SM3					
Selenium	ND	0.50	EPA 6020B	4-29-21	4-29-21	
Laboratory ID:	MB0428S2					
Mercury	ND	0.020	EPA 7471B	4-28-21	4-28-21	



Date of Report: April 30, 2021
 Samples Submitted: April 27, 2021
 Laboratory Reference: 2104-264
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	04-264-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	23.1	23.8	NA	NA		NA	NA	3	20	
Copper	10.7	10.9	NA	NA		NA	NA	2	20	
Lead	12.9	15.9	NA	NA		NA	NA	21	20	C
Nickel	39.9	39.5	NA	NA		NA	NA	1	20	
Zinc	28.2	30.0	NA	NA		NA	NA	6	20	

Laboratory ID:	04-264-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	04-240-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	04-264-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	101	100	100	100	ND	101	100	75-125	0	20
Cadmium	45.0	45.2	50.0	50.0	ND	90	90	75-125	1	20
Chromium	121	124	100	100	23.1	98	101	75-125	3	20
Copper	60.2	59.8	50.0	50.0	10.7	99	98	75-125	1	20
Lead	267	263	250	250	12.9	102	100	75-125	1	20
Nickel	135	133	100	100	39.9	95	93	75-125	1	20
Zinc	124	124	100	100	28.2	95	95	75-125	0	20

Laboratory ID:	04-264-01									
Selenium	92.5	95.3	100	100	ND	93	95	75-125	3	20

Laboratory ID:	04-240-01									
Mercury	0.577	0.593	0.500	0.500	0.0154	112	116	80-120	3	20



Date of Report: April 30, 2021
Samples Submitted: April 27, 2021
Laboratory Reference: 2104-264
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-1-6	04-264-01	12	4-28-21
IAEX-2-25	04-264-02	7	4-28-21
IAEX-3-25	04-264-03	10	4-28-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





MVA Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 893-3981 • www.onsite-env.com

Chain of Custody

Company: GeoEngineers
 Project Number: 6694-002-03 T700
 Project Name: Go East Corp Landfill Site
 Project Manager: Rob Leet
 Sampled by: Paul Robinette

Turnaround Request
 (in working days)
 (Check One)
 Same Day
 2 Days
 Standard (7 Days)
 1 Day
 3 Days
 _____ (other)

Laboratory Number: 04-264

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
1	IAEX-1-6	4/23/24	1715	S
2	IAEX-2-25	4/23/24	1215	S
3	IAEX-3-25	4/23/24	1430	S

Number of Containers

Test Name	1	2	3
NWTPH-HCID			
NWTPH-Gx/BTEX			
NWTPH-Gx	X	X	X
NWTPH-Dx ^{NO ACU/SG DS} Acid / SG Clean-up	X	X	X
Volatiles 8260C	X	X	X
Halogenated Volatiles 8260C			
EDB EPA 8011 (Waters Only)			
Semivolatiles 8270D/SIM (with low-level PAHs)	X	X	X
PAHs 8270D/SIM (low-level)			
PCBs 8082A	X	X	X
Organochlorine Pesticides 8081B	X	X	X
Organophosphorus Pesticides 8270D/SIM			
Chlorinated Acid Herbicides 8151A	X	X	X
Total RCRA Metals			
Total MTCA Metals			
TCLP Metals			
HEM (oil and grease) 1664A			
TOTAL METALS *	X	X	X
% Moisture			

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	GEI	4/23/24	1515	
<i>[Signature]</i>	Alpha Group	4/23/24	1516	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc
<i>[Signature]</i>	Alpha Group	4/23/24	1505	**PCBs as Aroclors
<i>[Signature]</i>	GEI	4/23/24	1705	

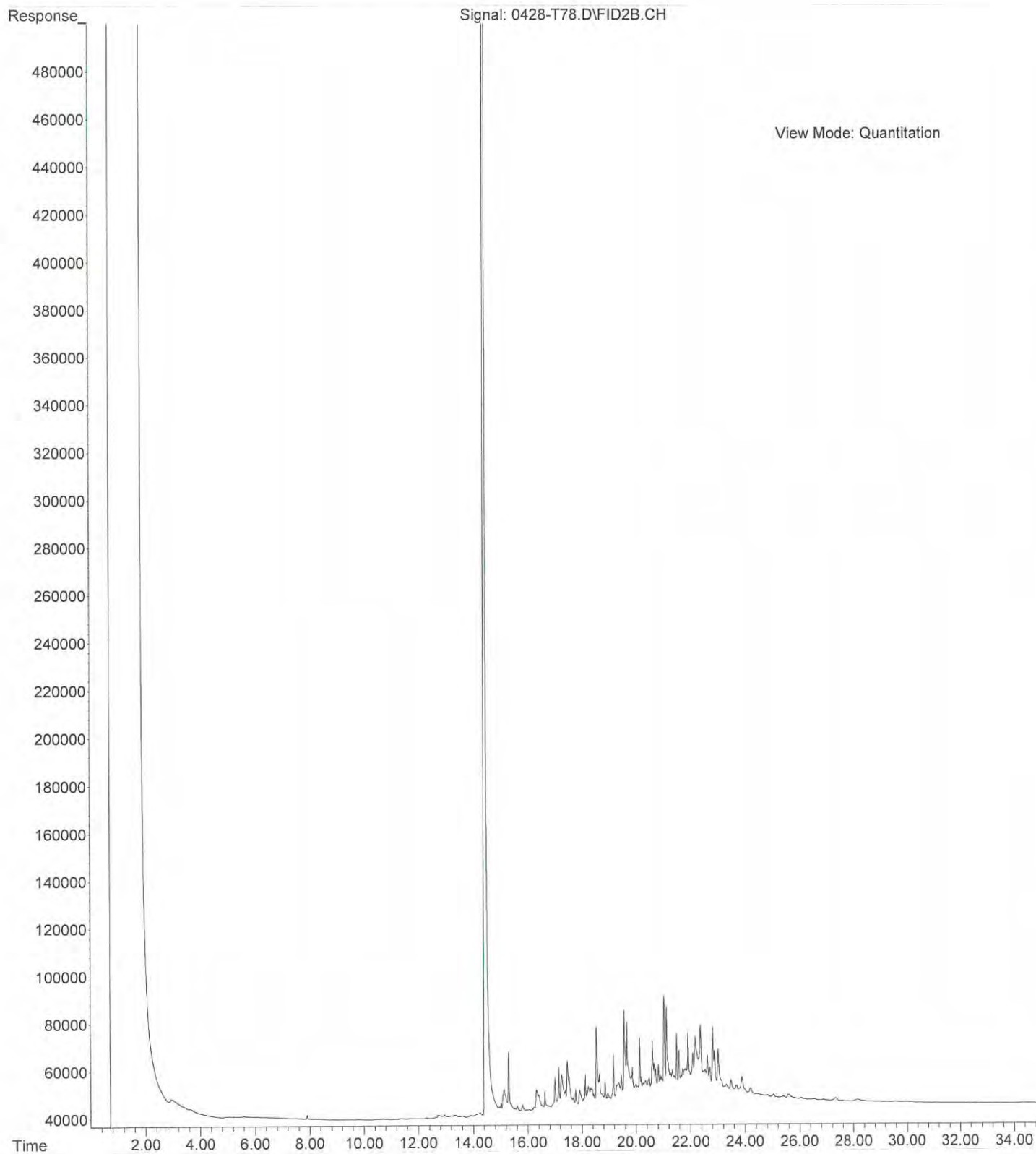
Relinquished
 Received
 Relinquished
 Received
 Relinquished
 Received
 Reviewed/Date

Reviewed/Date

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)

File :X:\DIESELS\Teri\Data\T210428.SEC\0428-T78.D
Operator : JT
Acquired : 29 Apr 2021 3:12 using AcqMethod T210205F.M
Instrument : Teri
Sample Name: 04-264-01 DUP
Misc Info :
Vial Number: 78





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 3, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2104-279

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on April 28, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 3, 2021
Samples Submitted: April 28, 2021
Laboratory Reference: 2104-279
Project: 6694-002-03 T700

Case Narrative

Samples were collected on April 28, 2021 and received by the laboratory on April 28, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Organochlorine Pesticides by EPA 8081B Analysis

The MS/MSD had several compound recoveries outside of control limits with a high bias. Because the samples were non-detect for these compounds, and a spike blank extracted with these samples had all parameters within control limits, no further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: May 3, 2021
Samples Submitted: April 28, 2021
Laboratory Reference: 2104-279
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-4-6	04-279-01	Soil	4-28-21	4-28-21	
IAEX-5-6	04-279-02	Soil	4-28-21	4-28-21	
IAEX-6-30	04-279-03	Soil	4-28-21	4-28-21	
IAEX-7-9	04-279-04	Soil	4-28-21	4-28-21	
IAEX-8-28	04-279-05	Soil	4-28-21	4-28-21	



Date of Report: May 3, 2021
 Samples Submitted: April 28, 2021
 Laboratory Reference: 2104-279
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-4-6					
Laboratory ID:	04-279-01					
Gasoline	ND	5.9	NWTPH-Gx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	58-129				
Client ID:	IAEX-5-6					
Laboratory ID:	04-279-02					
Gasoline	ND	6.1	NWTPH-Gx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	58-129				
Client ID:	IAEX-6-30					
Laboratory ID:	04-279-03					
Gasoline	ND	6.2	NWTPH-Gx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	58-129				
Client ID:	IAEX-7-9					
Laboratory ID:	04-279-04					
Gasoline	ND	7.3	NWTPH-Gx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	58-129				
Client ID:	IAEX-8-28					
Laboratory ID:	04-279-05					
Gasoline	ND	6.8	NWTPH-Gx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	58-129				



Date of Report: May 3, 2021
 Samples Submitted: April 28, 2021
 Laboratory Reference: 2104-279
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-4-6					
Laboratory ID:	04-279-01					
Diesel Range Organics	ND	31	NWTPH-Dx	4-30-21	4-30-21	
Lube Oil	380	63	NWTPH-Dx	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	82	50-150				
Client ID:	IAEX-5-6					
Laboratory ID:	04-279-02					
Diesel Range Organics	ND	28	NWTPH-Dx	4-30-21	4-30-21	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	78	50-150				
Client ID:	IAEX-6-30					
Laboratory ID:	04-279-03					
Diesel Range Organics	ND	28	NWTPH-Dx	4-30-21	5-3-21	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-30-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	88	50-150				
Client ID:	IAEX-7-9					
Laboratory ID:	04-279-04					
Diesel Range Organics	ND	29	NWTPH-Dx	4-30-21	5-3-21	
Lube Oil Range Organics	ND	59	NWTPH-Dx	4-30-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Client ID:	IAEX-8-28					
Laboratory ID:	04-279-05					
Diesel Range Organics	ND	28	NWTPH-Dx	4-30-21	4-30-21	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				



Date of Report: May 3, 2021
 Samples Submitted: April 28, 2021
 Laboratory Reference: 2104-279
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-4-6					
Laboratory ID:	04-279-01					
Dichlorodifluoromethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Chloromethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Vinyl Chloride	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Bromomethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Chloroethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Trichlorofluoromethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Acetone	ND	0.013	EPA 8260D	4-28-21	4-28-21	
Iodomethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Carbon Disulfide	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Methylene Chloride	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
(trans) 1,2-Dichloroethene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Methyl t-Butyl Ether	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
2,2-Dichloropropane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
(cis) 1,2-Dichloroethene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
2-Butanone	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Bromochloromethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Chloroform	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,1,1-Trichloroethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Carbon Tetrachloride	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloropropene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Benzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloroethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Trichloroethene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloropropane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Dibromomethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Bromodichloromethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
(cis) 1,3-Dichloropropene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Toluene	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
(trans) 1,3-Dichloropropene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	



Date of Report: May 3, 2021
 Samples Submitted: April 28, 2021
 Laboratory Reference: 2104-279
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-4-6					
Laboratory ID:	04-279-01					
1,1,2-Trichloroethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Tetrachloroethene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,3-Dichloropropane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
2-Hexanone	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Dibromochloromethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromoethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Chlorobenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,1,1,2-Tetrachloroethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Ethylbenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
m,p-Xylene	ND	0.0020	EPA 8260D	4-28-21	4-28-21	
o-Xylene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Styrene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Bromoform	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Isopropylbenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Bromobenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,1,2,2-Tetrachloroethane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichloropropane	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
n-Propylbenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
2-Chlorotoluene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
4-Chlorotoluene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,3,5-Trimethylbenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
tert-Butylbenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trimethylbenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
sec-Butylbenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,3-Dichlorobenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
p-Isopropyltoluene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,4-Dichlorobenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,2-Dichlorobenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
n-Butylbenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trichlorobenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Naphthalene	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichlorobenzene	ND	0.00099	EPA 8260D	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>113</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-130</i>				



Date of Report: May 3, 2021
 Samples Submitted: April 28, 2021
 Laboratory Reference: 2104-279
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-5-6					
Laboratory ID:	04-279-02					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chloromethane	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromomethane	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Chloroethane	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Acetone	ND	0.014	EPA 8260D	4-28-21	4-28-21	
Iodomethane	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methylene Chloride	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Vinyl Acetate	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Butanone	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Bromochloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chloroform	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Benzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Trichloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Dibromomethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Methyl Isobutyl Ketone	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Toluene	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-5-6					
Laboratory ID:	04-279-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Hexanone	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Chlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Ethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
m,p-Xylene	ND	0.0022	EPA 8260D	4-28-21	4-28-21	
o-Xylene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Styrene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromoform	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Bromobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
Hexachlorobutadiene	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
Naphthalene	ND	0.0055	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-6-30					
Laboratory ID:	04-279-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Chloromethane	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Bromomethane	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
Chloroethane	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Acetone	0.022	0.016	EPA 8260D	4-28-21	4-28-21	Y
Iodomethane	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Methylene Chloride	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Vinyl Acetate	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
2-Butanone	0.0061	0.0060	EPA 8260D	4-28-21	4-28-21	
Bromochloromethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Chloroform	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Benzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Trichloroethene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Dibromomethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
Toluene	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-6-30					
Laboratory ID:	04-279-03					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
2-Hexanone	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Chlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Ethylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
m,p-Xylene	ND	0.0024	EPA 8260D	4-28-21	4-28-21	
o-Xylene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Styrene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Bromoform	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Bromobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromo-3-chloropropane	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
Naphthalene	ND	0.0060	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>120</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-7-9					
Laboratory ID:	04-279-04					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Chloromethane	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Bromomethane	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
Chloroethane	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Acetone	ND	0.015	EPA 8260D	4-28-21	4-28-21	
Iodomethane	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Methylene Chloride	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Vinyl Acetate	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
2-Butanone	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
Bromochloromethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Chloroform	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Benzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Trichloroethene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Dibromomethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Methyl Isobutyl Ketone	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
Toluene	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-7-9					
Laboratory ID:	04-279-04					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
2-Hexanone	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Chlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Ethylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
m,p-Xylene	ND	0.0023	EPA 8260D	4-28-21	4-28-21	
o-Xylene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Styrene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Bromoform	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Bromobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromo-3-chloropropane	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
Hexachlorobutadiene	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
Naphthalene	ND	0.0058	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>113</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-8-28					
Laboratory ID:	04-279-05					
Dichlorodifluoromethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Chloromethane	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
Vinyl Chloride	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Bromomethane	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
Chloroethane	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
Trichlorofluoromethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Acetone	0.013	0.012	EPA 8260D	4-28-21	4-28-21	Y
Iodomethane	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
Carbon Disulfide	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Methylene Chloride	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
(trans) 1,2-Dichloroethene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Methyl t-Butyl Ether	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Vinyl Acetate	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
2,2-Dichloropropane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
(cis) 1,2-Dichloroethene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
2-Butanone	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
Bromochloromethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Chloroform	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,1,1-Trichloroethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Carbon Tetrachloride	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloropropene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Benzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloroethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Trichloroethene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloropropane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Dibromomethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Bromodichloromethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
(cis) 1,3-Dichloropropene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Methyl Isobutyl Ketone	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
Toluene	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
(trans) 1,3-Dichloropropene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-8-28					
Laboratory ID:	04-279-05					
1,1,2-Trichloroethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Tetrachloroethene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,3-Dichloropropane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
2-Hexanone	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
Dibromochloromethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromoethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Chlorobenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,1,1,2-Tetrachloroethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Ethylbenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
m,p-Xylene	ND	0.0019	EPA 8260D	4-28-21	4-28-21	
o-Xylene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Styrene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Bromoform	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
Isopropylbenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Bromobenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,1,2,2-Tetrachloroethane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichloropropane	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
n-Propylbenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
2-Chlorotoluene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
4-Chlorotoluene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,3,5-Trimethylbenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
tert-Butylbenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trimethylbenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
sec-Butylbenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,3-Dichlorobenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
p-Isopropyltoluene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,4-Dichlorobenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,2-Dichlorobenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
n-Butylbenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromo-3-chloropropane	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trichlorobenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
Hexachlorobutadiene	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
Naphthalene	ND	0.0047	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichlorobenzene	ND	0.00094	EPA 8260D	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>112</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-4-6					
Laboratory ID:	04-279-01					
n-Nitrosodimethylamine	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Pyridine	ND	0.42	EPA 8270E	4-28-21	4-30-21	
Phenol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Aniline	ND	0.21	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroethyl)ether	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2-Chlorophenol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
1,3-Dichlorobenzene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
1,4-Dichlorobenzene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Benzyl alcohol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
1,2-Dichlorobenzene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2-Methylphenol (o-Cresol)	ND	0.042	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroisopropyl)ether	ND	0.042	EPA 8270E	4-28-21	4-30-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.042	EPA 8270E	4-28-21	4-30-21	
n-Nitroso-di-n-propylamine	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Hexachloroethane	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Nitrobenzene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Isophorone	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2-Nitrophenol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2,4-Dimethylphenol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroethoxy)methane	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2,4-Dichlorophenol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
1,2,4-Trichlorobenzene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Naphthalene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
4-Chloroaniline	ND	0.21	EPA 8270E	4-28-21	4-30-21	
Hexachlorobutadiene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
4-Chloro-3-methylphenol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2-Methylnaphthalene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
1-Methylnaphthalene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
Hexachlorocyclopentadiene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2,4,6-Trichlorophenol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2,3-Dichloroaniline	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2,4,5-Trichlorophenol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2-Chloronaphthalene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2-Nitroaniline	ND	0.042	EPA 8270E	4-28-21	4-30-21	
1,4-Dinitrobenzene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Dimethylphthalate	ND	0.042	EPA 8270E	4-28-21	4-30-21	
1,3-Dinitrobenzene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2,6-Dinitrotoluene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
1,2-Dinitrobenzene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Acenaphthylene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
3-Nitroaniline	ND	0.042	EPA 8270E	4-28-21	4-30-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-4-6					
Laboratory ID:	04-279-01					
2,4-Dinitrophenol	ND	0.21	EPA 8270E	4-28-21	4-30-21	
Acenaphthene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
4-Nitrophenol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2,4-Dinitrotoluene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Dibenzofuran	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2,3,5,6-Tetrachlorophenol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
2,3,4,6-Tetrachlorophenol	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Diethylphthalate	ND	0.21	EPA 8270E	4-28-21	4-30-21	
4-Chlorophenyl-phenylether	ND	0.042	EPA 8270E	4-28-21	4-30-21	
4-Nitroaniline	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Fluorene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
4,6-Dinitro-2-methylphenol	ND	0.21	EPA 8270E	4-28-21	4-30-21	
n-Nitrosodiphenylamine	ND	0.042	EPA 8270E	4-28-21	4-30-21	
1,2-Diphenylhydrazine	ND	0.042	EPA 8270E	4-28-21	4-30-21	
4-Bromophenyl-phenylether	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Hexachlorobenzene	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Pentachlorophenol	ND	0.21	EPA 8270E	4-28-21	4-30-21	
Phenanthrene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
Anthracene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
Carbazole	ND	0.042	EPA 8270E	4-28-21	4-30-21	
Di-n-butylphthalate	ND	0.21	EPA 8270E	4-28-21	4-30-21	
Fluoranthene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
Pyrene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
Butylbenzylphthalate	ND	0.21	EPA 8270E	4-28-21	4-30-21	
bis-2-Ethylhexyladipate	ND	0.21	EPA 8270E	4-28-21	4-30-21	
3,3'-Dichlorobenzidine	ND	0.21	EPA 8270E	4-28-21	4-30-21	
Benzo[a]anthracene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
Chrysene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
bis(2-Ethylhexyl)phthalate	ND	0.21	EPA 8270E	4-28-21	4-30-21	
Di-n-octylphthalate	ND	0.21	EPA 8270E	4-28-21	4-30-21	
Benzo[b]fluoranthene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo(j,k)fluoranthene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo[a]pyrene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
Indeno[1,2,3-cd]pyrene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
Dibenz[a,h]anthracene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo[g,h,i]perylene	ND	0.0084	EPA 8270E/SIM	4-28-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>75</i>	<i>22 - 109</i>				
<i>Phenol-d6</i>	<i>80</i>	<i>36 - 110</i>				
<i>Nitrobenzene-d5</i>	<i>73</i>	<i>31 - 109</i>				
<i>2-Fluorobiphenyl</i>	<i>76</i>	<i>45 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>94</i>	<i>43 - 124</i>				
<i>Terphenyl-d14</i>	<i>70</i>	<i>52 - 118</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-5-6					
Laboratory ID:	04-279-02					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Pyridine	ND	0.37	EPA 8270E	4-28-21	4-30-21	
Phenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Aniline	ND	0.18	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Chlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Benzyl alcohol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	4-28-21	4-30-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Hexachloroethane	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Nitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Isophorone	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Nitrophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Naphthalene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
4-Chloroaniline	ND	0.18	EPA 8270E	4-28-21	4-30-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
1-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Dimethylphthalate	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Acenaphthylene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
3-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-5-6					
Laboratory ID:	04-279-02					
2,4-Dinitrophenol	ND	0.18	EPA 8270E	4-28-21	4-30-21	
Acenaphthene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
4-Nitrophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Dibenzofuran	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Diethylphthalate	ND	0.18	EPA 8270E	4-28-21	4-30-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
4-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Fluorene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
4,6-Dinitro-2-methylphenol	ND	0.18	EPA 8270E	4-28-21	4-30-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Pentachlorophenol	ND	0.18	EPA 8270E	4-28-21	4-30-21	
Phenanthrene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
Anthracene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
Carbazole	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	4-28-21	4-30-21	
Fluoranthene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
Pyrene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	4-28-21	4-30-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	4-28-21	4-30-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	4-28-21	4-30-21	
Benzo[a]anthracene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
Chrysene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	4-28-21	4-30-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	4-28-21	4-30-21	
Benzo[b]fluoranthene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo(j,k)fluoranthene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo[a]pyrene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
Indeno[1,2,3-cd]pyrene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
Dibenz[a,h]anthracene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo[g,h,i]perylene	ND	0.0074	EPA 8270E/SIM	4-28-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>62</i>	<i>22 - 109</i>				
<i>Phenol-d6</i>	<i>65</i>	<i>36 - 110</i>				
<i>Nitrobenzene-d5</i>	<i>62</i>	<i>31 - 109</i>				
<i>2-Fluorobiphenyl</i>	<i>69</i>	<i>45 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>92</i>	<i>43 - 124</i>				
<i>Terphenyl-d14</i>	<i>73</i>	<i>52 - 118</i>				



Date of Report: May 3, 2021
 Samples Submitted: April 28, 2021
 Laboratory Reference: 2104-279
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-6-30					
Laboratory ID:	04-279-03					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Pyridine	ND	0.37	EPA 8270E	4-28-21	4-30-21	
Phenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Aniline	ND	0.19	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Chlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Benzyl alcohol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	4-28-21	4-30-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Hexachloroethane	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Nitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Isophorone	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Nitrophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Naphthalene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
4-Chloroaniline	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Methylnaphthalene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
1-Methylnaphthalene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Dimethylphthalate	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Acenaphthylene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
3-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-6-30					
Laboratory ID:	04-279-03					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Acenaphthene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
4-Nitrophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Dibenzofuran	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Diethylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
4-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Fluorene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270E	4-28-21	4-30-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Pentachlorophenol	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Phenanthrene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Anthracene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Carbazole	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Fluoranthene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Pyrene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Benzo[a]anthracene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Chrysene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Benzo[b]fluoranthene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo(j,k)fluoranthene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo[a]pyrene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Indeno[1,2,3-cd]pyrene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Dibenz[a,h]anthracene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo[g,h,i]perylene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	72	22 - 109				
Phenol-d6	75	36 - 110				
Nitrobenzene-d5	71	31 - 109				
2-Fluorobiphenyl	77	45 - 107				
2,4,6-Tribromophenol	97	43 - 124				
Terphenyl-d14	77	52 - 118				



Date of Report: May 3, 2021
 Samples Submitted: April 28, 2021
 Laboratory Reference: 2104-279
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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-7-9					
Laboratory ID:	04-279-04					
n-Nitrosodimethylamine	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Pyridine	ND	0.39	EPA 8270E	4-28-21	4-30-21	
Phenol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Aniline	ND	0.19	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroethyl)ether	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2-Chlorophenol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
1,3-Dichlorobenzene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
1,4-Dichlorobenzene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Benzyl alcohol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
1,2-Dichlorobenzene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2-Methylphenol (o-Cresol)	ND	0.039	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroisopropyl)ether	ND	0.039	EPA 8270E	4-28-21	4-30-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.039	EPA 8270E	4-28-21	4-30-21	
n-Nitroso-di-n-propylamine	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Hexachloroethane	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Nitrobenzene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Isophorone	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2-Nitrophenol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2,4-Dimethylphenol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroethoxy)methane	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2,4-Dichlorophenol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
1,2,4-Trichlorobenzene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Naphthalene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
4-Chloroaniline	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Hexachlorobutadiene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
4-Chloro-3-methylphenol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2-Methylnaphthalene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
1-Methylnaphthalene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
Hexachlorocyclopentadiene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2,4,6-Trichlorophenol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2,3-Dichloroaniline	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2,4,5-Trichlorophenol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2-Chloronaphthalene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2-Nitroaniline	ND	0.039	EPA 8270E	4-28-21	4-30-21	
1,4-Dinitrobenzene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Dimethylphthalate	ND	0.039	EPA 8270E	4-28-21	4-30-21	
1,3-Dinitrobenzene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2,6-Dinitrotoluene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
1,2-Dinitrobenzene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Acenaphthylene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
3-Nitroaniline	ND	0.039	EPA 8270E	4-28-21	4-30-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-7-9					
Laboratory ID:	04-279-04					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Acenaphthene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
4-Nitrophenol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2,4-Dinitrotoluene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Dibenzofuran	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2,3,5,6-Tetrachlorophenol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
2,3,4,6-Tetrachlorophenol	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Diethylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
4-Chlorophenyl-phenylether	ND	0.039	EPA 8270E	4-28-21	4-30-21	
4-Nitroaniline	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Fluorene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270E	4-28-21	4-30-21	
n-Nitrosodiphenylamine	ND	0.039	EPA 8270E	4-28-21	4-30-21	
1,2-Diphenylhydrazine	ND	0.039	EPA 8270E	4-28-21	4-30-21	
4-Bromophenyl-phenylether	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Hexachlorobenzene	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Pentachlorophenol	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Phenanthrene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
Anthracene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
Carbazole	ND	0.039	EPA 8270E	4-28-21	4-30-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Fluoranthene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
Pyrene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
bis(2-Ethylhexyl)adipate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Benzo[a]anthracene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
Chrysene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Benzo[b]fluoranthene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo(j,k)fluoranthene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo[a]pyrene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
Indeno[1,2,3-cd]pyrene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
Dibenz[a,h]anthracene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo[g,h,i]perylene	ND	0.0078	EPA 8270E/SIM	4-28-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>72</i>	<i>22 - 109</i>				
<i>Phenol-d6</i>	<i>77</i>	<i>36 - 110</i>				
<i>Nitrobenzene-d5</i>	<i>72</i>	<i>31 - 109</i>				
<i>2-Fluorobiphenyl</i>	<i>77</i>	<i>45 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>94</i>	<i>43 - 124</i>				
<i>Terphenyl-d14</i>	<i>76</i>	<i>52 - 118</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-8-28					
Laboratory ID:	04-279-05					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Pyridine	ND	0.37	EPA 8270E	4-28-21	4-30-21	
Phenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Aniline	ND	0.19	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Chlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Benzyl alcohol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	4-28-21	4-30-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Hexachloroethane	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Nitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Isophorone	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Nitrophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Naphthalene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
4-Chloroaniline	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Methylnaphthalene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
1-Methylnaphthalene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Dimethylphthalate	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Acenaphthylene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
3-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-8-28					
Laboratory ID:	04-279-05					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Acenaphthene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
4-Nitrophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Dibenzofuran	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Diethylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
4-Nitroaniline	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Fluorene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270E	4-28-21	4-30-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	4-28-21	4-30-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Pentachlorophenol	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Phenanthrene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Anthracene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Carbazole	ND	0.037	EPA 8270E	4-28-21	4-30-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Fluoranthene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Pyrene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
bis(2-Ethylhexyl)adipate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Benzo[a]anthracene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Chrysene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	4-28-21	4-30-21	
Benzo[b]fluoranthene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo(j,k)fluoranthene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo[a]pyrene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Indeno[1,2,3-cd]pyrene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Dibenz[a,h]anthracene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
Benzo[g,h,i]perylene	ND	0.0075	EPA 8270E/SIM	4-28-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>64</i>	<i>22 - 109</i>				
<i>Phenol-d6</i>	<i>70</i>	<i>36 - 110</i>				
<i>Nitrobenzene-d5</i>	<i>65</i>	<i>31 - 109</i>				
<i>2-Fluorobiphenyl</i>	<i>72</i>	<i>45 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>91</i>	<i>43 - 124</i>				
<i>Terphenyl-d14</i>	<i>69</i>	<i>52 - 118</i>				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-4-6					
Laboratory ID:	04-279-01					
Aroclor 1016	ND	0.063	EPA 8082A	4-30-21	4-30-21	
Aroclor 1221	ND	0.063	EPA 8082A	4-30-21	4-30-21	
Aroclor 1232	ND	0.063	EPA 8082A	4-30-21	4-30-21	
Aroclor 1242	ND	0.063	EPA 8082A	4-30-21	4-30-21	
Aroclor 1248	ND	0.063	EPA 8082A	4-30-21	4-30-21	
Aroclor 1254	ND	0.063	EPA 8082A	4-30-21	4-30-21	
Aroclor 1260	ND	0.063	EPA 8082A	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	84	46-125				
Client ID:	IAEX-5-6					
Laboratory ID:	04-279-02					
Aroclor 1016	ND	0.055	EPA 8082A	4-30-21	4-30-21	
Aroclor 1221	ND	0.055	EPA 8082A	4-30-21	4-30-21	
Aroclor 1232	ND	0.055	EPA 8082A	4-30-21	4-30-21	
Aroclor 1242	ND	0.055	EPA 8082A	4-30-21	4-30-21	
Aroclor 1248	ND	0.055	EPA 8082A	4-30-21	4-30-21	
Aroclor 1254	ND	0.055	EPA 8082A	4-30-21	4-30-21	
Aroclor 1260	ND	0.055	EPA 8082A	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	87	46-125				
Client ID:	IAEX-6-30					
Laboratory ID:	04-279-03					
Aroclor 1016	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1221	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1232	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1242	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1248	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1254	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1260	ND	0.056	EPA 8082A	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	89	46-125				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-7-9					
Laboratory ID:	04-279-04					
Aroclor 1016	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1221	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1232	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1242	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1248	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1254	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1260	ND	0.058	EPA 8082A	4-30-21	4-30-21	

Surrogate: *Percent Recovery* *Control Limits*
 DCB 90 46-125

Client ID:	IAEX-8-28					
Laboratory ID:	04-279-05					
Aroclor 1016	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1221	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1232	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1242	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1248	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1254	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1260	ND	0.056	EPA 8082A	4-30-21	4-30-21	

Surrogate: *Percent Recovery* *Control Limits*
 DCB 93 46-125



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-4-6					
Laboratory ID:	04-279-01					
alpha-BHC	ND	6.3	EPA 8081B	4-30-21	4-30-21	
gamma-BHC (Lindane)	ND	6.3	EPA 8081B	4-30-21	4-30-21	
beta-BHC	ND	6.3	EPA 8081B	4-30-21	4-30-21	
delta-BHC	ND	6.3	EPA 8081B	4-30-21	4-30-21	
Heptachlor	ND	6.3	EPA 8081B	4-30-21	4-30-21	
Aldrin	ND	6.3	EPA 8081B	4-30-21	4-30-21	
Heptachlor Epoxide	ND	6.3	EPA 8081B	4-30-21	4-30-21	
gamma-Chlordane	8.4	6.3	EPA 8081B	4-30-21	4-30-21	
alpha-Chlordane	ND	13	EPA 8081B	4-30-21	4-30-21	
4,4'-DDE	ND	13	EPA 8081B	4-30-21	4-30-21	
Endosulfan I	ND	6.3	EPA 8081B	4-30-21	4-30-21	
Dieldrin	ND	13	EPA 8081B	4-30-21	4-30-21	
Endrin	ND	6.3	EPA 8081B	4-30-21	4-30-21	
4,4'-DDD	ND	13	EPA 8081B	4-30-21	4-30-21	
Endosulfan II	ND	13	EPA 8081B	4-30-21	4-30-21	
4,4'-DDT	ND	13	EPA 8081B	4-30-21	4-30-21	
Endrin Aldehyde	ND	13	EPA 8081B	4-30-21	4-30-21	
Methoxychlor	ND	13	EPA 8081B	4-30-21	4-30-21	
Endosulfan Sulfate	ND	13	EPA 8081B	4-30-21	4-30-21	
Endrin Ketone	ND	13	EPA 8081B	4-30-21	4-30-21	
Toxaphene	ND	63	EPA 8081B	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	91	30-110				
DCB	86	40-117				



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 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-5-6					
Laboratory ID:	04-279-02					
alpha-BHC	ND	5.5	EPA 8081B	4-30-21	4-30-21	
gamma-BHC (Lindane)	ND	5.5	EPA 8081B	4-30-21	4-30-21	
beta-BHC	ND	5.5	EPA 8081B	4-30-21	4-30-21	
delta-BHC	ND	5.5	EPA 8081B	4-30-21	4-30-21	
Heptachlor	ND	5.5	EPA 8081B	4-30-21	4-30-21	
Aldrin	ND	5.5	EPA 8081B	4-30-21	4-30-21	
Heptachlor Epoxide	ND	5.5	EPA 8081B	4-30-21	4-30-21	
gamma-Chlordane	ND	5.5	EPA 8081B	4-30-21	4-30-21	
alpha-Chlordane	ND	11	EPA 8081B	4-30-21	4-30-21	
4,4'-DDE	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan I	ND	5.5	EPA 8081B	4-30-21	4-30-21	
Dieldrin	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin	ND	5.5	EPA 8081B	4-30-21	4-30-21	
4,4'-DDD	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan II	ND	11	EPA 8081B	4-30-21	4-30-21	
4,4'-DDT	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin Aldehyde	ND	11	EPA 8081B	4-30-21	4-30-21	
Methoxychlor	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan Sulfate	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin Ketone	ND	11	EPA 8081B	4-30-21	4-30-21	
Toxaphene	ND	55	EPA 8081B	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	66	30-110				
DCB	70	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-6-30					
Laboratory ID:	04-279-03					
alpha-BHC	ND	5.6	EPA 8081B	4-30-21	4-30-21	
gamma-BHC (Lindane)	ND	5.6	EPA 8081B	4-30-21	4-30-21	
beta-BHC	ND	5.6	EPA 8081B	4-30-21	4-30-21	
delta-BHC	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Heptachlor	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Aldrin	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Heptachlor Epoxide	ND	5.6	EPA 8081B	4-30-21	4-30-21	
gamma-Chlordane	ND	5.6	EPA 8081B	4-30-21	4-30-21	
alpha-Chlordane	ND	11	EPA 8081B	4-30-21	4-30-21	
4,4'-DDE	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan I	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Dieldrin	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin	ND	5.6	EPA 8081B	4-30-21	4-30-21	
4,4'-DDD	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan II	ND	11	EPA 8081B	4-30-21	4-30-21	
4,4'-DDT	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin Aldehyde	ND	11	EPA 8081B	4-30-21	4-30-21	
Methoxychlor	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan Sulfate	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin Ketone	ND	11	EPA 8081B	4-30-21	4-30-21	
Toxaphene	ND	56	EPA 8081B	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	64	30-110				
DCB	67	40-117				



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 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-7-9					
Laboratory ID:	04-279-04					
alpha-BHC	ND	5.8	EPA 8081B	4-30-21	4-30-21	
gamma-BHC (Lindane)	ND	5.8	EPA 8081B	4-30-21	4-30-21	
beta-BHC	ND	5.8	EPA 8081B	4-30-21	4-30-21	
delta-BHC	ND	5.8	EPA 8081B	4-30-21	4-30-21	
Heptachlor	ND	5.8	EPA 8081B	4-30-21	4-30-21	
Aldrin	ND	5.8	EPA 8081B	4-30-21	4-30-21	
Heptachlor Epoxide	ND	5.8	EPA 8081B	4-30-21	4-30-21	
gamma-Chlordane	ND	5.8	EPA 8081B	4-30-21	4-30-21	
alpha-Chlordane	ND	12	EPA 8081B	4-30-21	4-30-21	
4,4'-DDE	ND	12	EPA 8081B	4-30-21	4-30-21	
Endosulfan I	ND	5.8	EPA 8081B	4-30-21	4-30-21	
Dieldrin	ND	12	EPA 8081B	4-30-21	4-30-21	
Endrin	ND	5.8	EPA 8081B	4-30-21	4-30-21	
4,4'-DDD	ND	12	EPA 8081B	4-30-21	4-30-21	
Endosulfan II	ND	12	EPA 8081B	4-30-21	4-30-21	
4,4'-DDT	ND	12	EPA 8081B	4-30-21	4-30-21	
Endrin Aldehyde	ND	12	EPA 8081B	4-30-21	4-30-21	
Methoxychlor	ND	12	EPA 8081B	4-30-21	4-30-21	
Endosulfan Sulfate	ND	12	EPA 8081B	4-30-21	4-30-21	
Endrin Ketone	ND	12	EPA 8081B	4-30-21	4-30-21	
Toxaphene	ND	58	EPA 8081B	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	71	30-110				
DCB	74	40-117				



Date of Report: May 3, 2021
 Samples Submitted: April 28, 2021
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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-8-28					
Laboratory ID:	04-279-05					
alpha-BHC	ND	5.6	EPA 8081B	4-30-21	4-30-21	
gamma-BHC (Lindane)	ND	5.6	EPA 8081B	4-30-21	4-30-21	
beta-BHC	ND	5.6	EPA 8081B	4-30-21	4-30-21	
delta-BHC	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Heptachlor	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Aldrin	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Heptachlor Epoxide	ND	5.6	EPA 8081B	4-30-21	4-30-21	
gamma-Chlordane	ND	5.6	EPA 8081B	4-30-21	4-30-21	
alpha-Chlordane	ND	11	EPA 8081B	4-30-21	4-30-21	
4,4'-DDE	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan I	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Dieldrin	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin	ND	5.6	EPA 8081B	4-30-21	4-30-21	
4,4'-DDD	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan II	ND	11	EPA 8081B	4-30-21	4-30-21	
4,4'-DDT	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin Aldehyde	ND	11	EPA 8081B	4-30-21	4-30-21	
Methoxychlor	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan Sulfate	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin Ketone	ND	11	EPA 8081B	4-30-21	4-30-21	
Toxaphene	ND	56	EPA 8081B	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	65	30-110				
DCB	70	40-117				



Date of Report: May 3, 2021
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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-4-6					
Laboratory ID:	04-279-01					
Dalapon	ND	230	EPA 8151A	4-30-21	5-1-21	
Dicamba	ND	12	EPA 8151A	4-30-21	5-1-21	
MCPD	ND	1200	EPA 8151A	4-30-21	5-1-21	
MCPA	ND	2900	EPA 8151A	4-30-21	5-1-21	
Dichlorprop	ND	89	EPA 8151A	4-30-21	5-1-21	
2,4-D	ND	12	EPA 8151A	4-30-21	5-1-21	
Pentachlorophenol	ND	6.0	EPA 8151A	4-30-21	5-1-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	4-30-21	5-1-21	
2,4,5-T	ND	12	EPA 8151A	4-30-21	5-1-21	
2,4-DB	ND	12	EPA 8151A	4-30-21	5-1-21	
Dinoseb	ND	12	EPA 8151A	4-30-21	5-1-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	75	18-119				
Client ID:	IAEX-5-6					
Laboratory ID:	04-279-02					
Dalapon	ND	200	EPA 8151A	4-30-21	5-1-21	
Dicamba	ND	10	EPA 8151A	4-30-21	5-1-21	
MCPD	ND	1000	EPA 8151A	4-30-21	5-1-21	
MCPA	ND	2600	EPA 8151A	4-30-21	5-1-21	
Dichlorprop	ND	78	EPA 8151A	4-30-21	5-1-21	
2,4-D	ND	10	EPA 8151A	4-30-21	5-1-21	
Pentachlorophenol	ND	5.3	EPA 8151A	4-30-21	5-1-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4,5-T	ND	10	EPA 8151A	4-30-21	5-1-21	
2,4-DB	ND	10	EPA 8151A	4-30-21	5-1-21	
Dinoseb	ND	10	EPA 8151A	4-30-21	5-1-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	79	18-119				



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 Laboratory Reference: 2104-279
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-6-30					
Laboratory ID:	04-279-03					
Dalapon	ND	210	EPA 8151A	4-30-21	5-1-21	
Dicamba	ND	11	EPA 8151A	4-30-21	5-1-21	
MCPPP	ND	1000	EPA 8151A	4-30-21	5-1-21	
MCPA	ND	2600	EPA 8151A	4-30-21	5-1-21	
Dichlorprop	ND	79	EPA 8151A	4-30-21	5-1-21	
2,4-D	ND	11	EPA 8151A	4-30-21	5-1-21	
Pentachlorophenol	ND	5.3	EPA 8151A	4-30-21	5-1-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4,5-T	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4-DB	ND	11	EPA 8151A	4-30-21	5-1-21	
Dinoseb	ND	11	EPA 8151A	4-30-21	5-1-21	

Surrogate:	Percent Recovery	Control Limits
DCAA	77	18-119

Client ID:	IAEX-7-9					
Laboratory ID:	04-279-04					
Dalapon	ND	210	EPA 8151A	4-30-21	5-1-21	
Dicamba	ND	11	EPA 8151A	4-30-21	5-1-21	
MCPPP	ND	1100	EPA 8151A	4-30-21	5-1-21	
MCPA	ND	2700	EPA 8151A	4-30-21	5-1-21	
Dichlorprop	ND	83	EPA 8151A	4-30-21	5-1-21	
2,4-D	ND	11	EPA 8151A	4-30-21	5-1-21	
Pentachlorophenol	ND	5.6	EPA 8151A	4-30-21	5-1-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4,5-T	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4-DB	ND	11	EPA 8151A	4-30-21	5-1-21	
Dinoseb	ND	11	EPA 8151A	4-30-21	5-1-21	

Surrogate:	Percent Recovery	Control Limits
DCAA	76	18-119



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-8-28					
Laboratory ID:	04-279-05					
Dalapon	ND	210	EPA 8151A	4-30-21	5-1-21	
Dicamba	ND	11	EPA 8151A	4-30-21	5-1-21	
MCPPP	ND	1000	EPA 8151A	4-30-21	5-1-21	
MCPA	ND	2600	EPA 8151A	4-30-21	5-1-21	
Dichlorprop	ND	79	EPA 8151A	4-30-21	5-1-21	
2,4-D	ND	11	EPA 8151A	4-30-21	5-1-21	
Pentachlorophenol	ND	5.3	EPA 8151A	4-30-21	5-1-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4,5-T	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4-DB	ND	11	EPA 8151A	4-30-21	5-1-21	
Dinoseb	ND	11	EPA 8151A	4-30-21	5-1-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	87	18-119				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-4-6					
Laboratory ID:	04-279-01					
Arsenic	ND	13	EPA 6010D	4-29-21	4-29-21	
Cadmium	ND	0.63	EPA 6010D	4-29-21	4-29-21	
Chromium	33	0.63	EPA 6010D	4-29-21	4-29-21	
Copper	13	1.3	EPA 6010D	4-29-21	4-29-21	
Lead	ND	6.3	EPA 6010D	4-29-21	4-29-21	
Mercury	0.026	0.022	EPA 7471B	4-29-21	4-29-21	
Nickel	50	3.1	EPA 6010D	4-29-21	4-29-21	
Selenium	ND	0.63	EPA 6020B	4-29-21	4-29-21	
Zinc	28	3.1	EPA 6010D	4-29-21	4-29-21	

Client ID:	IAEX-5-6					
Laboratory ID:	04-279-02					
Arsenic	ND	11	EPA 6010D	4-29-21	4-29-21	
Cadmium	ND	0.55	EPA 6010D	4-29-21	4-29-21	
Chromium	24	0.55	EPA 6010D	4-29-21	4-29-21	
Copper	6.6	1.1	EPA 6010D	4-29-21	4-29-21	
Lead	ND	5.5	EPA 6010D	4-29-21	4-29-21	
Mercury	0.051	0.019	EPA 7471B	4-29-21	4-29-21	
Nickel	37	2.8	EPA 6010D	4-29-21	4-29-21	
Selenium	ND	0.55	EPA 6020B	4-29-21	4-29-21	
Zinc	28	2.8	EPA 6010D	4-29-21	4-29-21	

Client ID:	IAEX-6-30					
Laboratory ID:	04-279-03					
Arsenic	ND	11	EPA 6010D	4-29-21	4-29-21	
Cadmium	ND	0.56	EPA 6010D	4-29-21	4-29-21	
Chromium	27	0.56	EPA 6010D	4-29-21	4-29-21	
Copper	10	1.1	EPA 6010D	4-29-21	4-29-21	
Lead	ND	5.6	EPA 6010D	4-29-21	4-29-21	
Mercury	0.024	0.020	EPA 7471B	4-29-21	4-29-21	
Nickel	44	2.8	EPA 6010D	4-29-21	4-29-21	
Selenium	ND	0.56	EPA 6020B	4-29-21	4-29-21	
Zinc	31	2.8	EPA 6010D	4-29-21	4-29-21	



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-7-9					
Laboratory ID:	04-279-04					
Arsenic	ND	12	EPA 6010D	4-29-21	4-29-21	
Cadmium	ND	0.58	EPA 6010D	4-29-21	4-29-21	
Chromium	27	0.58	EPA 6010D	4-29-21	4-29-21	
Copper	5.6	1.2	EPA 6010D	4-29-21	4-29-21	
Lead	ND	5.8	EPA 6010D	4-29-21	4-29-21	
Mercury	0.030	0.020	EPA 7471B	4-29-21	4-29-21	
Nickel	48	2.9	EPA 6010D	4-29-21	4-29-21	
Selenium	ND	0.58	EPA 6020B	4-29-21	4-29-21	
Zinc	330	2.9	EPA 6010D	4-29-21	4-29-21	

Client ID:	IAEX-8-28					
Laboratory ID:	04-279-05					
Arsenic	ND	11	EPA 6010D	4-29-21	4-29-21	
Cadmium	ND	0.56	EPA 6010D	4-29-21	4-29-21	
Chromium	30	0.56	EPA 6010D	4-29-21	4-29-21	
Copper	10	1.1	EPA 6010D	4-29-21	4-29-21	
Lead	ND	5.6	EPA 6010D	4-29-21	4-29-21	
Mercury	ND	0.020	EPA 7471B	4-29-21	4-29-21	
Nickel	46	2.8	EPA 6010D	4-29-21	4-29-21	
Selenium	ND	0.56	EPA 6020B	4-29-21	4-29-21	
Zinc	35	2.8	EPA 6010D	4-29-21	4-29-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S1					
Gasoline	ND	5.0	NWTPH-Gx	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	58-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-227-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				93	94	58-129		



Date of Report: May 3, 2021
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 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0430S2					
Diesel Range Organics	ND	25	NWTPH-Dx	4-30-21	4-30-21	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	74	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0430S2							
	ORIG	DUP						
Diesel Fuel #2	89.8	77.3	NA	NA	NA	NA	15	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				93	81	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Chloromethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Bromomethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Chloroethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Acetone	ND	0.013	EPA 8260D	4-28-21	4-28-21	
Iodomethane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Methylene Chloride	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
2-Butanone	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Bromochloromethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Chloroform	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Benzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Trichloroethene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Dibromomethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Toluene	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
2-Hexanone	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Chlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Ethylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
m,p-Xylene	ND	0.0020	EPA 8260D	4-28-21	4-28-21	
o-Xylene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Styrene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Bromoform	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Bromobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
Naphthalene	ND	0.0050	EPA 8260D	4-28-21	4-28-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>114</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0428S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0428	0.0432	0.0500	0.0500	86	86	55-126	1	17	
Benzene	0.0521	0.0533	0.0500	0.0500	104	107	65-121	2	16	
Trichloroethene	0.0532	0.0532	0.0500	0.0500	106	106	74-126	0	16	
Toluene	0.0480	0.0482	0.0500	0.0500	96	96	71-121	0	16	
Chlorobenzene	0.0490	0.0497	0.0500	0.0500	98	99	72-123	1	16	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					99	94	74-131			
<i>Toluene-d8</i>					96	94	78-128			
<i>4-Bromofluorobenzene</i>					105	104	71-130			



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S2					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Pyridine	ND	0.33	EPA 8270E	4-28-21	4-29-21	
Phenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Aniline	ND	0.17	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Chlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Benzyl alcohol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	4-28-21	4-29-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	4-28-21	4-29-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Hexachloroethane	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Nitrobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Isophorone	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Nitrophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
4-Chloroaniline	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2-Nitroaniline	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Dimethylphthalate	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
3-Nitroaniline	ND	0.033	EPA 8270E	4-28-21	4-29-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0428S2					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
4-Nitrophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Dibenzofuran	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Diethylphthalate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	4-28-21	4-29-21	
4-Nitroaniline	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270E	4-28-21	4-29-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	4-28-21	4-29-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	4-28-21	4-29-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Pentachlorophenol	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Carbazole	ND	0.033	EPA 8270E	4-28-21	4-29-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	4-28-21	4-29-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	4-28-21	4-28-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	63	22 - 109				
Phenol-d6	85	36 - 110				
Nitrobenzene-d5	88	31 - 109				
2-Fluorobiphenyl	80	45 - 107				
2,4,6-Tribromophenol	88	43 - 124				
Terphenyl-d14	85	52 - 118				



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limits	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0428S2									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	1.33	1.19	1.33	1.33	100	89	47 - 104	11	30	
2-Chlorophenol	1.17	1.11	1.33	1.33	88	83	45 - 108	5	31	
1,4-Dichlorobenzene	0.521	0.484	0.667	0.667	78	73	41 - 105	7	32	
n-Nitroso-di-n-propylamine	0.544	0.524	0.667	0.667	82	79	47 - 103	4	28	
1,2,4-Trichlorobenzene	0.615	0.575	0.667	0.667	92	86	42 - 111	7	32	
4-Chloro-3-methylphenol	0.956	0.946	1.33	1.33	72	71	61 - 108	1	25	
Acenaphthene	0.506	0.456	0.667	0.667	76	68	54 - 102	10	23	
4-Nitrophenol	1.44	1.37	1.33	1.33	108	103	53 - 122	5	24	
2,4-Dinitrotoluene	0.554	0.636	0.667	0.667	83	95	57 - 107	14	22	
Pentachlorophenol	1.17	1.10	1.33	1.33	88	83	44 - 132	6	23	
Pyrene	0.545	0.522	0.667	0.667	82	78	58 - 111	4	21	
<i>Surrogate:</i>										
2-Fluorophenol					67	60	22 - 109			
Phenol-d6					96	94	36 - 110			
Nitrobenzene-d5					103	90	31 - 109			
2-Fluorobiphenyl					83	73	45 - 107			
2,4,6-Tribromophenol					99	97	43 - 124			
Terphenyl-d14					86	88	52 - 118			



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**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB4030S2					
Aroclor 1016	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1221	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1232	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1242	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1248	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1254	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1260	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	102		46-125			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	04-279-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.428	0.425	0.500	0.500	ND	86	85	43-125	1	15	
Surrogate:											
DCB						82	86	46-125			



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0430S2					
alpha-BHC	ND	5.0	EPA 8081B	4-30-21	4-30-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	4-30-21	4-30-21	
beta-BHC	ND	5.0	EPA 8081B	4-30-21	4-30-21	
delta-BHC	ND	5.0	EPA 8081B	4-30-21	4-30-21	
Heptachlor	ND	5.0	EPA 8081B	4-30-21	4-30-21	
Aldrin	ND	5.0	EPA 8081B	4-30-21	4-30-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	4-30-21	4-30-21	
gamma-Chlordane	ND	5.0	EPA 8081B	4-30-21	4-30-21	
alpha-Chlordane	ND	10	EPA 8081B	4-30-21	4-30-21	
4,4'-DDE	ND	10	EPA 8081B	4-30-21	4-30-21	
Endosulfan I	ND	5.0	EPA 8081B	4-30-21	4-30-21	
Dieldrin	ND	10	EPA 8081B	4-30-21	4-30-21	
Endrin	ND	5.0	EPA 8081B	4-30-21	4-30-21	
4,4'-DDD	ND	10	EPA 8081B	4-30-21	4-30-21	
Endosulfan II	ND	10	EPA 8081B	4-30-21	4-30-21	
4,4'-DDT	ND	10	EPA 8081B	4-30-21	4-30-21	
Endrin Aldehyde	ND	10	EPA 8081B	4-30-21	4-30-21	
Methoxychlor	ND	10	EPA 8081B	4-30-21	4-30-21	
Endosulfan Sulfate	ND	10	EPA 8081B	4-30-21	4-30-21	
Endrin Ketone	ND	10	EPA 8081B	4-30-21	4-30-21	
Toxaphene	ND	50	EPA 8081B	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>99</i>	<i>30-110</i>				
<i>DCB</i>	<i>107</i>	<i>40-117</i>				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits	Limit			
MATRIX SPIKES											
Laboratory ID:	04-296-01										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	111	113	100	100	ND	111	113	36-123	2	21	
gamma-BHC (Lindane)	114	118	100	100	ND	114	118	38-121	3	21	
beta-BHC	111	114	100	100	ND	111	114	31-125	3	21	
delta-BHC	108	111	100	100	ND	108	111	37-118	3	23	
Heptachlor	117	116	100	100	ND	117	116	37-123	1	24	
Aldrin	114	117	100	100	ND	114	117	45-118	3	22	
Heptachlor Epoxide	117	119	100	100	ND	117	119	46-114	2	22	I,I
gamma-Chlordane	112	115	100	100	ND	112	115	41-120	3	23	
alpha-Chlordane	109	111	100	100	ND	109	111	43-118	2	23	
4,4'-DDE	109	114	100	100	ND	109	114	34-139	4	22	
Endosulfan I	109	112	100	100	ND	109	112	43-124	3	25	
Dieldrin	119	123	100	100	ND	119	123	40-128	3	23	
Endrin	123	127	100	100	ND	123	127	44-120	3	28	I,I
4,4'-DDD	120	123	100	100	ND	120	123	42-131	2	21	
Endosulfan II	116	118	100	100	ND	116	118	47-112	2	22	I,I
4,4'-DDT	96.3	97.3	100	100	ND	96	97	29-141	1	32	
Endrin Aldehyde	107	110	100	100	ND	107	110	41-114	3	22	
Methoxychlor	130	130	100	100	ND	130	130	31-139	0	23	
Endosulfan Sulfate	109	111	100	100	ND	109	111	48-112	2	21	
Endrin Ketone	111	114	100	100	ND	111	114	46-117	3	22	
Surrogate:											
TCMX						82	87	30-110			
DCB						86	89	40-117			



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 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0430S1					
Dalapon	ND	180	EPA 8151A	4-30-21	5-1-21	
Dicamba	ND	9.4	EPA 8151A	4-30-21	5-1-21	
MCPPE	ND	940	EPA 8151A	4-30-21	5-1-21	
MCPA	ND	2300	EPA 8151A	4-30-21	5-1-21	
Dichlorprop	ND	71	EPA 8151A	4-30-21	5-1-21	
2,4-D	ND	9.4	EPA 8151A	4-30-21	5-1-21	
Pentachlorophenol	ND	4.8	EPA 8151A	4-30-21	5-1-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	4-30-21	5-1-21	
2,4,5-T	ND	9.5	EPA 8151A	4-30-21	5-1-21	
2,4-DB	ND	9.5	EPA 8151A	4-30-21	5-1-21	
Dinoseb	ND	9.5	EPA 8151A	4-30-21	5-1-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	86	18-119				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0430S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	300	245	1250	1250	N/A	24	20	10-105 20 35
Dicamba	192	212	250	250	N/A	77	85	32-106 10 20
MCPPE	17400	18300	25000	25000	N/A	70	73	19-143 5 23
MCPA	16300	18000	25000	25000	N/A	65	72	17-128 10 25
Dichlorprop	174	183	250	250	N/A	70	73	19-123 5 20
2,4-D	138	163	250	250	N/A	55	65	10-131 17 24
Pentachlorophenol	22.0	22.1	25.0	25.0	N/A	88	88	10-119 0 21
2,4,5-TP (Silvex)	199	208	250	250	N/A	79	83	38-127 4 18
2,4,5-T	145	168	250	250	N/A	58	67	24-144 15 19
2,4-DB	190	204	250	250	N/A	76	81	17-154 7 22
Dinoseb	178	199	250	250	N/A	71	80	10-124 11 32
<i>Surrogate:</i>								
DCAA					81	89	18-119	



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TOTAL METALS
EPA 6010D/6020B/7471B
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0429SM3					
Arsenic	ND	10	EPA 6010D	4-29-21	4-29-21	
Cadmium	ND	0.50	EPA 6010D	4-29-21	4-29-21	
Chromium	ND	0.50	EPA 6010D	4-29-21	4-29-21	
Copper	ND	1.0	EPA 6010D	4-29-21	4-29-21	
Lead	ND	5.0	EPA 6010D	4-29-21	4-29-21	
Nickel	ND	2.5	EPA 6010D	4-29-21	4-29-21	
Zinc	ND	2.5	EPA 6010D	4-29-21	4-29-21	
<hr/>						
Laboratory ID:	MB0429S1`					
Selenium	ND	0.50	EPA 6020B	4-29-21	4-29-21	
<hr/>						
Laboratory ID:	MB0429S1					
Mercury	ND	0.018	EPA 7471B	4-28-21	4-28-21	



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**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	04-264-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	23.1	23.8	NA	NA		NA	NA	3	20	
Copper	10.7	10.9	NA	NA		NA	NA	2	20	
Lead	12.9	15.9	NA	NA		NA	NA	21	20	C
Nickel	39.9	39.5	NA	NA		NA	NA	1	20	
Zinc	28.2	30.0	NA	NA		NA	NA	6	20	

Laboratory ID:	04-264-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	04-277-01									
Mercury	0.0530	0.0518	NA	NA		NA	NA	2	20	

MATRIX SPIKES

Laboratory ID:	04-264-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	101	100	100	100	ND	101	100	75-125	0	20
Cadmium	45.0	45.2	50.0	50.0	ND	90	90	75-125	1	20
Chromium	121	124	100	100	23.1	98	101	75-125	3	20
Copper	60.2	59.8	50.0	50.0	10.7	99	98	75-125	1	20
Lead	267	263	250	250	12.9	102	100	75-125	1	20
Nickel	135	133	100	100	39.9	95	93	75-125	1	20
Zinc	124	124	100	100	28.2	95	95	75-125	0	20

Laboratory ID:	04-264-01									
Selenium	92.5	95.3	100	100	ND	93	95	75-125	3	20

Laboratory ID:	04-277-01									
Mercury	0.537	0.534	0.500	0.500	0.0530	97	96	80-120	1	20



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% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-4-6	04-279-01	20	4-28-21
IAEX-5-6	04-279-02	10	4-28-21
IAEX-6-30	04-279-03	11	4-28-21
IAEX-7-9	04-279-04	15	4-28-21
IAEX-8-28	04-279-05	11	4-28-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





MVA Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(In working days)

(Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

(other) _____

Laboratory Number: **04-279**

04-279

Company: **GeoEngineers**
 Project Number: **6694-002-03 T700**
 Project Name: **Go East Corp Landfill Site**
 Project Manager: **Rob Leet**
 Sampled by: **Paul Robinette**

Lab ID: **IAEX-4-54-6 DB**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	IAEX-4-54-6 DB	4/28/21	915	S	6
2	IAEX-5-6	4/28/21	945	S	6
3	IAEX-6-30	4/28/21	1125	S	6
4	IAEX-7-9	4/28/21	1150	S	6
5	IAEX-8-28	4/28/21	1350	S	6

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL METALS *	% Moisture
6			X	X	X			X		X	X		X					X	
6			X	X	X			X		X	X		X					X	
6			X	X	X			X		X	X		X					X	
6			X	X	X			X		X	X		X					X	
6			X	X	X			X		X	X		X					X	

Signature	Company	Date	Time	Comments/Special Instructions
<i>Paul Robinette</i>	BEI	4/28/21	1510	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc
<i>Rob Leet</i>	ALPHA	4/28/21	1510	**PCBs as Aroclors
<i>Paul Robinette</i>	ALPHA	4/28/21	1600	
<i>Rob Leet</i>	ALPHA	4/28/21	1500	

Received _____

Received _____

Received _____

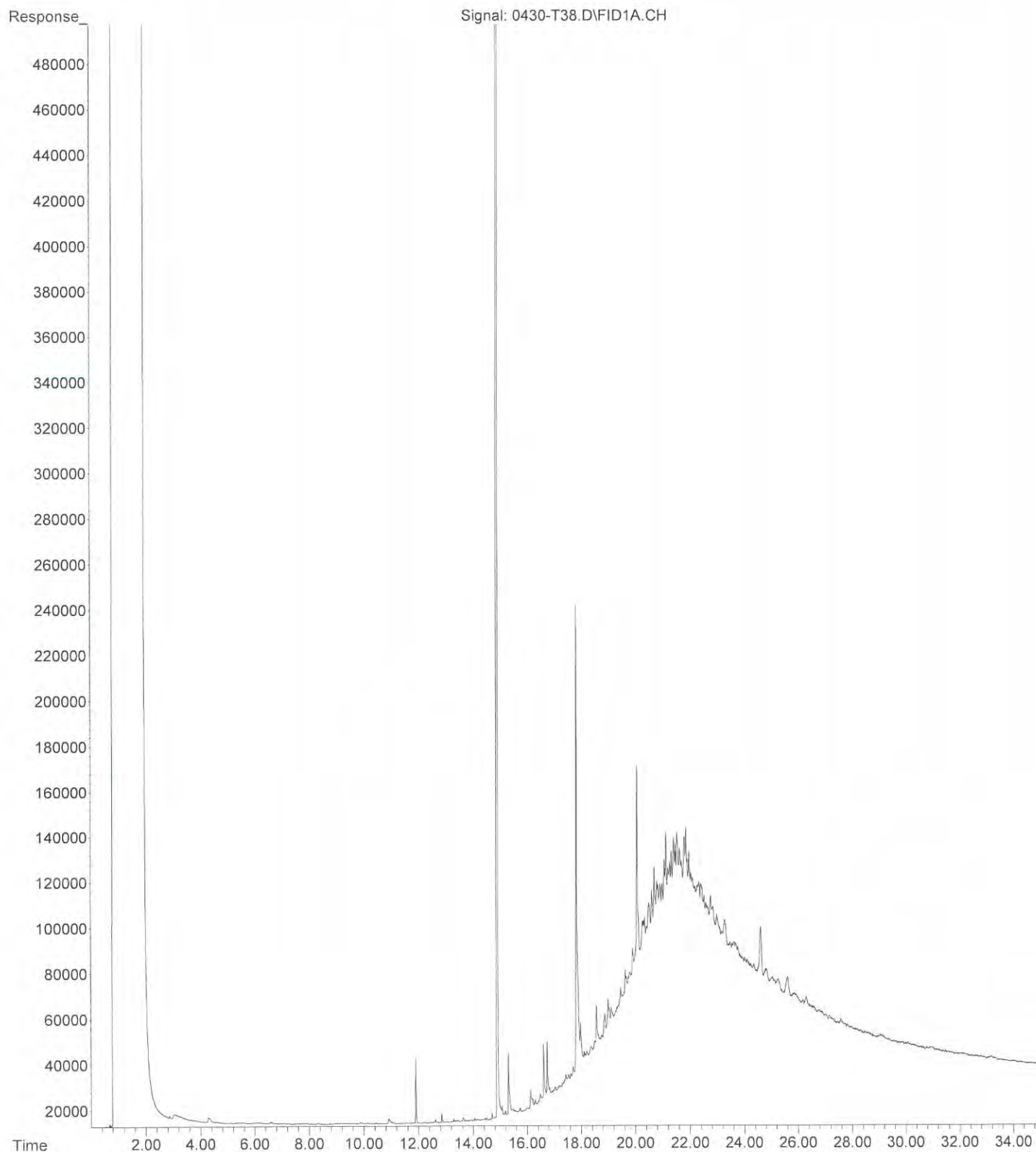
Received _____

Reviewed/Date _____

Reviewed/Date _____

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)

File :X:\DIESELS\Teri\Data\T210430\0430-T38.D
Operator : JT
Acquired : 01 May 2021 10:24 using AcqMethod T210205F.M
Instrument : Teri
Sample Name: 04-279-01
Misc Info :
Vial Number: 38





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 4, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2104-296

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on April 29, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 4, 2021
Samples Submitted: April 29, 2021
Laboratory Reference: 2104-296
Project: 6694-002-03 T700

Case Narrative

Samples were collected on April 29, 2021 and received by the laboratory on April 29, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH-Gx Analysis

The surrogate percent recovery is outside control limits on the high end for sample IAEX-10-4. Because the sample is non-detect, no further action will be taken.

Organochlorine Pesticides by EPA 8081B Analysis

The MS/MSD had several compound recoveries outside of control limits with a high bias. Because the samples were non-detect for these compounds, and a spike blank extracted with these samples had all parameters within control limits, no further action was performed.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: May 4, 2021
Samples Submitted: April 29, 2021
Laboratory Reference: 2104-296
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-9-30	04-296-01	Soil	4-29-21	4-29-21	
IAEX-10-4	04-296-02	Soil	4-29-21	4-29-21	
IAEX-11-4	04-296-03	Soil	4-29-21	4-29-21	



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-9-30					
Laboratory ID:	04-296-01					
Gasoline	ND	6.7	NWTPH-Gx	4-29-21	4-29-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	58-129				
Client ID:	IAEX-10-4					
Laboratory ID:	04-296-02					
Gasoline	ND	5.9	NWTPH-Gx	4-29-21	4-29-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	167	58-129				Q
Client ID:	IAEX-11-4					
Laboratory ID:	04-296-03					
Gasoline	ND	6.9	NWTPH-Gx	4-29-21	4-29-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	58-129				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-9-30					
Laboratory ID:	04-296-01					
Diesel Range Organics	ND	29	NWTPH-Dx	4-30-21	4-30-21	
Lube Oil Range Organics	71	58	NWTPH-Dx	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				

Client ID:	IAEX-10-4					
Laboratory ID:	04-296-02					
Diesel Range Organics	ND	28	NWTPH-Dx	4-30-21	4-30-21	
Lube Oil Range Organics	61	56	NWTPH-Dx	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	73	50-150				

Client ID:	IAEX-11-4					
Laboratory ID:	04-296-03					
Diesel Range Organics	ND	28	NWTPH-Dx	4-30-21	4-30-21	
Lube Oil Range Organics	ND	57	NWTPH-Dx	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	80	50-150				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-9-30					
Laboratory ID:	04-296-01					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Chloromethane	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Bromomethane	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
Chloroethane	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Acetone	0.034	0.016	EPA 8260D	4-30-21	4-30-21	Y
Iodomethane	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Methylene Chloride	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Vinyl Acetate	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
2-Butanone	0.0088	0.0063	EPA 8260D	4-30-21	4-30-21	
Bromochloromethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Chloroform	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Benzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Trichloroethene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Dibromomethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Methyl Isobutyl Ketone	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
Toluene	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-9-30					
Laboratory ID:	04-296-01					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
2-Hexanone	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Chlorobenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Ethylbenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
m,p-Xylene	ND	0.0025	EPA 8260D	4-30-21	4-30-21	
o-Xylene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Styrene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Bromoform	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Bromobenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
1,2-Dibromo-3-chloropropane	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
Hexachlorobutadiene	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
Naphthalene	ND	0.0063	EPA 8260D	4-30-21	4-30-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>117</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-130</i>				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-10-4					
Laboratory ID:	04-296-02					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Chloromethane	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Bromomethane	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
Chloroethane	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Acetone	ND	0.015	EPA 8260D	4-30-21	4-30-21	
Iodomethane	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Methylene Chloride	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Vinyl Acetate	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
2-Butanone	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
Bromochloromethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Chloroform	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Benzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Trichloroethene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Dibromomethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Methyl Isobutyl Ketone	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
Toluene	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	



Date of Report: May 4, 2021
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 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-10-4					
Laboratory ID:	04-296-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
2-Hexanone	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Chlorobenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Ethylbenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
m,p-Xylene	ND	0.0022	EPA 8260D	4-30-21	4-30-21	
o-Xylene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Styrene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Bromoform	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Bromobenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
1,2-Dibromo-3-chloropropane	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
Hexachlorobutadiene	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
Naphthalene	ND	0.0056	EPA 8260D	4-30-21	4-30-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-11-4					
Laboratory ID:	04-296-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Chloromethane	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Bromomethane	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
Chloroethane	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Acetone	ND	0.016	EPA 8260D	4-30-21	4-30-21	
Iodomethane	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Methylene Chloride	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Vinyl Acetate	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
2-Butanone	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
Bromochloromethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Chloroform	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Benzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Trichloroethene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Dibromomethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
Toluene	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-11-4					
Laboratory ID:	04-296-03					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
2-Hexanone	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Chlorobenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Ethylbenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
m,p-Xylene	ND	0.0024	EPA 8260D	4-30-21	4-30-21	
o-Xylene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Styrene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Bromoform	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Bromobenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
1,2-Dibromo-3-chloropropane	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
Naphthalene	ND	0.0060	EPA 8260D	4-30-21	4-30-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-9-30					
Laboratory ID:	04-296-01					
n-Nitrosodimethylamine	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Pyridine	ND	0.39	EPA 8270E	4-30-21	5-1-21	
Phenol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Aniline	ND	0.19	EPA 8270E	4-30-21	5-1-21	
bis(2-Chloroethyl)ether	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2-Chlorophenol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
1,3-Dichlorobenzene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
1,4-Dichlorobenzene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Benzyl alcohol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
1,2-Dichlorobenzene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2-Methylphenol (o-Cresol)	ND	0.039	EPA 8270E	4-30-21	5-1-21	
bis(2-Chloroisopropyl)ether	ND	0.039	EPA 8270E	4-30-21	5-1-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.039	EPA 8270E	4-30-21	5-1-21	
n-Nitroso-di-n-propylamine	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Hexachloroethane	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Nitrobenzene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Isophorone	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2-Nitrophenol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2,4-Dimethylphenol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
bis(2-Chloroethoxy)methane	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2,4-Dichlorophenol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
1,2,4-Trichlorobenzene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Naphthalene	0.011	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
4-Chloroaniline	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Hexachlorobutadiene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
4-Chloro-3-methylphenol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2-Methylnaphthalene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
1-Methylnaphthalene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
Hexachlorocyclopentadiene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2,4,6-Trichlorophenol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2,3-Dichloroaniline	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2,4,5-Trichlorophenol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2-Chloronaphthalene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2-Nitroaniline	ND	0.039	EPA 8270E	4-30-21	5-1-21	
1,4-Dinitrobenzene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Dimethylphthalate	ND	0.039	EPA 8270E	4-30-21	5-1-21	
1,3-Dinitrobenzene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2,6-Dinitrotoluene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
1,2-Dinitrobenzene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Acenaphthylene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
3-Nitroaniline	ND	0.039	EPA 8270E	4-30-21	5-1-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-9-30					
Laboratory ID:	04-296-01					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Acenaphthene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
4-Nitrophenol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2,4-Dinitrotoluene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Dibenzofuran	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2,3,5,6-Tetrachlorophenol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
2,3,4,6-Tetrachlorophenol	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Diethylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
4-Chlorophenyl-phenylether	ND	0.039	EPA 8270E	4-30-21	5-1-21	
4-Nitroaniline	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Fluorene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270E	4-30-21	5-1-21	
n-Nitrosodiphenylamine	ND	0.039	EPA 8270E	4-30-21	5-1-21	
1,2-Diphenylhydrazine	ND	0.039	EPA 8270E	4-30-21	5-1-21	
4-Bromophenyl-phenylether	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Hexachlorobenzene	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Pentachlorophenol	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Phenanthrene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
Anthracene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
Carbazole	ND	0.039	EPA 8270E	4-30-21	5-1-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Fluoranthene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
Pyrene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Benzo[a]anthracene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
Chrysene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Benzo[b]fluoranthene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo(j,k)fluoranthene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo[a]pyrene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
Indeno[1,2,3-cd]pyrene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
Dibenz[a,h]anthracene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo[g,h,i]perylene	ND	0.0078	EPA 8270E/SIM	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>59</i>	<i>22 - 109</i>				
<i>Phenol-d6</i>	<i>62</i>	<i>36 - 110</i>				
<i>Nitrobenzene-d5</i>	<i>58</i>	<i>31 - 109</i>				
<i>2-Fluorobiphenyl</i>	<i>62</i>	<i>45 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>79</i>	<i>43 - 124</i>				
<i>Terphenyl-d14</i>	<i>67</i>	<i>52 - 118</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-10-4					
Laboratory ID:	04-296-02					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Pyridine	ND	0.37	EPA 8270E	4-30-21	5-1-21	
Phenol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Aniline	ND	0.19	EPA 8270E	4-30-21	5-1-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2-Chlorophenol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Benzyl alcohol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	4-30-21	5-1-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	4-30-21	5-1-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	4-30-21	5-1-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Hexachloroethane	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Nitrobenzene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Isophorone	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2-Nitrophenol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Naphthalene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
4-Chloroaniline	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
1-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2-Nitroaniline	ND	0.037	EPA 8270E	4-30-21	5-1-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Dimethylphthalate	ND	0.037	EPA 8270E	4-30-21	5-1-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Acenaphthylene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
3-Nitroaniline	ND	0.037	EPA 8270E	4-30-21	5-1-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-10-4					
Laboratory ID:	04-296-02					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Acenaphthene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
4-Nitrophenol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Dibenzofuran	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Diethylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	4-30-21	5-1-21	
4-Nitroaniline	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Fluorene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270E	4-30-21	5-1-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	4-30-21	5-1-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	4-30-21	5-1-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Pentachlorophenol	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Phenanthrene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
Anthracene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
Carbazole	ND	0.037	EPA 8270E	4-30-21	5-1-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Fluoranthene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
Pyrene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Benzo[a]anthracene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
Chrysene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Benzo[b]fluoranthene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo(j,k)fluoranthene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo[a]pyrene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
Indeno[1,2,3-cd]pyrene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
Dibenz[a,h]anthracene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo[g,h,i]perylene	ND	0.0074	EPA 8270E/SIM	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>56</i>	<i>22 - 109</i>				
<i>Phenol-d6</i>	<i>60</i>	<i>36 - 110</i>				
<i>Nitrobenzene-d5</i>	<i>55</i>	<i>31 - 109</i>				
<i>2-Fluorobiphenyl</i>	<i>61</i>	<i>45 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>79</i>	<i>43 - 124</i>				
<i>Terphenyl-d14</i>	<i>64</i>	<i>52 - 118</i>				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-11-4					
Laboratory ID:	04-296-03					
n-Nitrosodimethylamine	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Pyridine	ND	0.38	EPA 8270E	4-30-21	5-1-21	
Phenol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Aniline	ND	0.19	EPA 8270E	4-30-21	5-1-21	
bis(2-Chloroethyl)ether	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2-Chlorophenol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
1,3-Dichlorobenzene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
1,4-Dichlorobenzene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Benzyl alcohol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
1,2-Dichlorobenzene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2-Methylphenol (o-Cresol)	ND	0.038	EPA 8270E	4-30-21	5-1-21	
bis(2-Chloroisopropyl)ether	ND	0.038	EPA 8270E	4-30-21	5-1-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.038	EPA 8270E	4-30-21	5-1-21	
n-Nitroso-di-n-propylamine	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Hexachloroethane	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Nitrobenzene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Isophorone	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2-Nitrophenol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2,4-Dimethylphenol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
bis(2-Chloroethoxy)methane	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2,4-Dichlorophenol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
1,2,4-Trichlorobenzene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Naphthalene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
4-Chloroaniline	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Hexachlorobutadiene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
4-Chloro-3-methylphenol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2-Methylnaphthalene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
1-Methylnaphthalene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
Hexachlorocyclopentadiene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2,4,6-Trichlorophenol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2,3-Dichloroaniline	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2,4,5-Trichlorophenol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2-Chloronaphthalene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2-Nitroaniline	ND	0.038	EPA 8270E	4-30-21	5-1-21	
1,4-Dinitrobenzene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Dimethylphthalate	ND	0.038	EPA 8270E	4-30-21	5-1-21	
1,3-Dinitrobenzene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2,6-Dinitrotoluene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
1,2-Dinitrobenzene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Acenaphthylene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
3-Nitroaniline	ND	0.038	EPA 8270E	4-30-21	5-1-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-11-4					
Laboratory ID:	04-296-03					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Acenaphthene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
4-Nitrophenol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2,4-Dinitrotoluene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Dibenzofuran	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2,3,5,6-Tetrachlorophenol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
2,3,4,6-Tetrachlorophenol	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Diethylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
4-Chlorophenyl-phenylether	ND	0.038	EPA 8270E	4-30-21	5-1-21	
4-Nitroaniline	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Fluorene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270E	4-30-21	5-1-21	
n-Nitrosodiphenylamine	ND	0.038	EPA 8270E	4-30-21	5-1-21	
1,2-Diphenylhydrazine	ND	0.038	EPA 8270E	4-30-21	5-1-21	
4-Bromophenyl-phenylether	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Hexachlorobenzene	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Pentachlorophenol	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Phenanthrene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
Anthracene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
Carbazole	ND	0.038	EPA 8270E	4-30-21	5-1-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Fluoranthene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
Pyrene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Benzo[a]anthracene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
Chrysene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	4-30-21	5-1-21	
Benzo[b]fluoranthene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo(j,k)fluoranthene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo[a]pyrene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
Indeno[1,2,3-cd]pyrene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
Dibenz[a,h]anthracene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo[g,h,i]perylene	ND	0.0076	EPA 8270E/SIM	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>56</i>	<i>22 - 109</i>				
<i>Phenol-d6</i>	<i>60</i>	<i>36 - 110</i>				
<i>Nitrobenzene-d5</i>	<i>56</i>	<i>31 - 109</i>				
<i>2-Fluorobiphenyl</i>	<i>64</i>	<i>45 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>78</i>	<i>43 - 124</i>				
<i>Terphenyl-d14</i>	<i>64</i>	<i>52 - 118</i>				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-9-30					
Laboratory ID:	04-296-01					
Aroclor 1016	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1221	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1232	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1242	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1248	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1254	ND	0.058	EPA 8082A	4-30-21	4-30-21	
Aroclor 1260	ND	0.058	EPA 8082A	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	95	46-125				
Client ID:	IAEX-10-4					
Laboratory ID:	04-296-02					
Aroclor 1016	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1221	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1232	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1242	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1248	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1254	ND	0.056	EPA 8082A	4-30-21	4-30-21	
Aroclor 1260	ND	0.056	EPA 8082A	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	87	46-125				
Client ID:	IAEX-11-4					
Laboratory ID:	04-296-03					
Aroclor 1016	ND	0.057	EPA 8082A	4-30-21	4-30-21	
Aroclor 1221	ND	0.057	EPA 8082A	4-30-21	4-30-21	
Aroclor 1232	ND	0.057	EPA 8082A	4-30-21	4-30-21	
Aroclor 1242	ND	0.057	EPA 8082A	4-30-21	4-30-21	
Aroclor 1248	ND	0.057	EPA 8082A	4-30-21	4-30-21	
Aroclor 1254	ND	0.057	EPA 8082A	4-30-21	4-30-21	
Aroclor 1260	ND	0.057	EPA 8082A	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	97	46-125				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-9-30					
Laboratory ID:	04-296-01					
alpha-BHC	ND	5.8	EPA 8081B	4-30-21	4-30-21	
gamma-BHC (Lindane)	ND	5.8	EPA 8081B	4-30-21	4-30-21	
beta-BHC	ND	5.8	EPA 8081B	4-30-21	4-30-21	
delta-BHC	ND	5.8	EPA 8081B	4-30-21	4-30-21	
Heptachlor	ND	5.8	EPA 8081B	4-30-21	4-30-21	
Aldrin	ND	5.8	EPA 8081B	4-30-21	4-30-21	
Heptachlor Epoxide	ND	5.8	EPA 8081B	4-30-21	4-30-21	
gamma-Chlordane	ND	5.8	EPA 8081B	4-30-21	4-30-21	
alpha-Chlordane	ND	12	EPA 8081B	4-30-21	4-30-21	
4,4'-DDE	ND	12	EPA 8081B	4-30-21	4-30-21	
Endosulfan I	ND	5.8	EPA 8081B	4-30-21	4-30-21	
Dieldrin	ND	12	EPA 8081B	4-30-21	4-30-21	
Endrin	ND	5.8	EPA 8081B	4-30-21	4-30-21	
4,4'-DDD	ND	12	EPA 8081B	4-30-21	4-30-21	
Endosulfan II	ND	12	EPA 8081B	4-30-21	4-30-21	
4,4'-DDT	ND	12	EPA 8081B	4-30-21	4-30-21	
Endrin Aldehyde	ND	12	EPA 8081B	4-30-21	4-30-21	
Methoxychlor	ND	12	EPA 8081B	4-30-21	4-30-21	
Endosulfan Sulfate	ND	12	EPA 8081B	4-30-21	4-30-21	
Endrin Ketone	ND	12	EPA 8081B	4-30-21	4-30-21	
Toxaphene	ND	58	EPA 8081B	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	73	30-110				
DCB	75	40-117				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-10-4					
Laboratory ID:	04-296-02					
alpha-BHC	ND	5.6	EPA 8081B	4-30-21	4-30-21	
gamma-BHC (Lindane)	ND	5.6	EPA 8081B	4-30-21	4-30-21	
beta-BHC	ND	5.6	EPA 8081B	4-30-21	4-30-21	
delta-BHC	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Heptachlor	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Aldrin	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Heptachlor Epoxide	ND	5.6	EPA 8081B	4-30-21	4-30-21	
gamma-Chlordane	ND	5.6	EPA 8081B	4-30-21	4-30-21	
alpha-Chlordane	ND	11	EPA 8081B	4-30-21	4-30-21	
4,4'-DDE	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan I	ND	5.6	EPA 8081B	4-30-21	4-30-21	
Dieldrin	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin	ND	5.6	EPA 8081B	4-30-21	4-30-21	
4,4'-DDD	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan II	ND	11	EPA 8081B	4-30-21	4-30-21	
4,4'-DDT	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin Aldehyde	ND	11	EPA 8081B	4-30-21	4-30-21	
Methoxychlor	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan Sulfate	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin Ketone	ND	11	EPA 8081B	4-30-21	4-30-21	
Toxaphene	ND	56	EPA 8081B	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	92	30-110				
DCB	92	40-117				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-11-4					
Laboratory ID:	04-296-03					
alpha-BHC	ND	5.7	EPA 8081B	4-30-21	4-30-21	
gamma-BHC (Lindane)	ND	5.7	EPA 8081B	4-30-21	4-30-21	
beta-BHC	ND	5.7	EPA 8081B	4-30-21	4-30-21	
delta-BHC	ND	5.7	EPA 8081B	4-30-21	4-30-21	
Heptachlor	ND	5.7	EPA 8081B	4-30-21	4-30-21	
Aldrin	ND	5.7	EPA 8081B	4-30-21	4-30-21	
Heptachlor Epoxide	ND	5.7	EPA 8081B	4-30-21	4-30-21	
gamma-Chlordane	ND	5.7	EPA 8081B	4-30-21	4-30-21	
alpha-Chlordane	ND	11	EPA 8081B	4-30-21	4-30-21	
4,4'-DDE	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan I	ND	5.7	EPA 8081B	4-30-21	4-30-21	
Dieldrin	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin	ND	5.7	EPA 8081B	4-30-21	4-30-21	
4,4'-DDD	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan II	ND	11	EPA 8081B	4-30-21	4-30-21	
4,4'-DDT	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin Aldehyde	ND	11	EPA 8081B	4-30-21	4-30-21	
Methoxychlor	ND	11	EPA 8081B	4-30-21	4-30-21	
Endosulfan Sulfate	ND	11	EPA 8081B	4-30-21	4-30-21	
Endrin Ketone	ND	11	EPA 8081B	4-30-21	4-30-21	
Toxaphene	ND	57	EPA 8081B	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	61	30-110				
DCB	66	40-117				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-9-30					
Laboratory ID:	04-296-01					
Dalapon	ND	210	EPA 8151A	4-30-21	5-1-21	
Dicamba	ND	11	EPA 8151A	4-30-21	5-1-21	
MCPD	ND	1100	EPA 8151A	4-30-21	5-1-21	
MCPA	ND	2700	EPA 8151A	4-30-21	5-1-21	
Dichlorprop	ND	83	EPA 8151A	4-30-21	5-1-21	
2,4-D	ND	11	EPA 8151A	4-30-21	5-1-21	
Pentachlorophenol	ND	5.6	EPA 8151A	4-30-21	5-1-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4,5-T	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4-DB	ND	11	EPA 8151A	4-30-21	5-1-21	
Dinoseb	ND	11	EPA 8151A	4-30-21	5-1-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	77	18-119				
Client ID:	IAEX-10-4					
Laboratory ID:	04-296-02					
Dalapon	ND	200	EPA 8151A	4-30-21	5-1-21	
Dicamba	ND	10	EPA 8151A	4-30-21	5-1-21	
MCPD	ND	1000	EPA 8151A	4-30-21	5-1-21	
MCPA	ND	2600	EPA 8151A	4-30-21	5-1-21	
Dichlorprop	ND	79	EPA 8151A	4-30-21	5-1-21	
2,4-D	ND	10	EPA 8151A	4-30-21	5-1-21	
Pentachlorophenol	ND	5.3	EPA 8151A	4-30-21	5-1-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4,5-T	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4-DB	ND	11	EPA 8151A	4-30-21	5-1-21	
Dinoseb	ND	11	EPA 8151A	4-30-21	5-1-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	95	18-119				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-11-4					
Laboratory ID:	04-296-03					
Dalapon	ND	210	EPA 8151A	4-30-21	5-1-21	
Dicamba	ND	11	EPA 8151A	4-30-21	5-1-21	
MCPPP	ND	1100	EPA 8151A	4-30-21	5-1-21	
MCPA	ND	2700	EPA 8151A	4-30-21	5-1-21	
Dichlorprop	ND	80	EPA 8151A	4-30-21	5-1-21	
2,4-D	ND	11	EPA 8151A	4-30-21	5-1-21	
Pentachlorophenol	ND	5.4	EPA 8151A	4-30-21	5-1-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4,5-T	ND	11	EPA 8151A	4-30-21	5-1-21	
2,4-DB	ND	11	EPA 8151A	4-30-21	5-1-21	
Dinoseb	ND	11	EPA 8151A	4-30-21	5-1-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	87	18-119				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-9-30					
Laboratory ID:	04-296-01					
Arsenic	ND	12	EPA 6010D	5-3-21	5-3-21	
Cadmium	ND	0.58	EPA 6010D	5-3-21	5-3-21	
Chromium	26	0.58	EPA 6010D	5-3-21	5-3-21	
Copper	16	1.2	EPA 6010D	5-3-21	5-3-21	
Lead	10	5.8	EPA 6010D	5-3-21	5-3-21	
Mercury	0.031	0.018	EPA 7471B	5-3-21	5-3-21	
Nickel	45	2.9	EPA 6010D	5-3-21	5-3-21	
Selenium	ND	0.58	EPA 6020B	5-4-21	5-4-21	
Zinc	39	2.9	EPA 6010D	5-3-21	5-3-21	

Client ID:	IAEX-10-4					
Laboratory ID:	04-296-02					
Arsenic	ND	11	EPA 6010D	5-3-21	5-3-21	
Cadmium	ND	0.56	EPA 6010D	5-3-21	5-3-21	
Chromium	29	0.56	EPA 6010D	5-3-21	5-3-21	
Copper	12	1.1	EPA 6010D	5-3-21	5-3-21	
Lead	8.4	5.6	EPA 6010D	5-3-21	5-3-21	
Mercury	0.024	0.017	EPA 7471B	5-3-21	5-3-21	
Nickel	52	2.8	EPA 6010D	5-3-21	5-3-21	
Selenium	ND	0.56	EPA 6020B	5-4-21	5-4-21	
Zinc	36	2.8	EPA 6010D	5-3-21	5-3-21	

Client ID:	IAEX-11-4					
Laboratory ID:	04-296-03					
Arsenic	ND	11	EPA 6010D	5-3-21	5-3-21	
Cadmium	ND	0.57	EPA 6010D	5-3-21	5-3-21	
Chromium	25	0.57	EPA 6010D	5-3-21	5-3-21	
Copper	14	1.1	EPA 6010D	5-3-21	5-3-21	
Lead	ND	5.7	EPA 6010D	5-3-21	5-3-21	
Mercury	0.022	0.017	EPA 7471B	5-3-21	5-3-21	
Nickel	55	2.8	EPA 6010D	5-3-21	5-3-21	
Selenium	ND	0.57	EPA 6020B	5-4-21	5-4-21	
Zinc	31	2.8	EPA 6010D	5-3-21	5-3-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0429S1					
Gasoline	ND	5.0	NWTPH-Gx	4-29-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-257-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				89	90	66-129		



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0430S2					
Diesel Range Organics	ND	25	NWTPH-Dx	4-30-21	4-30-21	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	74	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0430S2							
	ORIG	DUP						
Diesel Fuel #2	89.8	77.3	NA	NA	NA	NA	15	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				93	81	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0430S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Chloromethane	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Bromomethane	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
Chloroethane	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Acetone	ND	0.013	EPA 8260D	4-30-21	4-30-21	
Iodomethane	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Methylene Chloride	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
2-Butanone	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
Bromochloromethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Chloroform	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Benzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Trichloroethene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Dibromomethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
Toluene	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0430S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
2-Hexanone	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Chlorobenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Ethylbenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
m,p-Xylene	ND	0.0020	EPA 8260D	4-30-21	4-30-21	
o-Xylene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Styrene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Bromoform	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Bromobenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
Naphthalene	ND	0.0050	EPA 8260D	4-30-21	4-30-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>114</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>94</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0430S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0449	0.0424	0.0500	0.0500	90	85	55-126	6	17	
Benzene	0.0559	0.0537	0.0500	0.0500	112	107	65-121	4	16	
Trichloroethene	0.0565	0.0550	0.0500	0.0500	113	110	74-126	3	16	
Toluene	0.0509	0.0480	0.0500	0.0500	102	96	71-121	6	16	
Chlorobenzene	0.0509	0.0487	0.0500	0.0500	102	97	72-123	4	16	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					105	107	74-131			
<i>Toluene-d8</i>					95	95	78-128			
<i>4-Bromofluorobenzene</i>					103	103	71-130			



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0430S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Pyridine	ND	0.33	EPA 8270E	4-30-21	4-30-21	
Phenol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Aniline	ND	0.17	EPA 8270E	4-30-21	4-30-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2-Chlorophenol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Benzyl alcohol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	4-30-21	4-30-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	4-30-21	4-30-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	4-30-21	4-30-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Hexachloroethane	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Nitrobenzene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Isophorone	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2-Nitrophenol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
4-Chloroaniline	ND	0.17	EPA 8270E	4-30-21	4-30-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2-Nitroaniline	ND	0.033	EPA 8270E	4-30-21	4-30-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Dimethylphthalate	ND	0.033	EPA 8270E	4-30-21	4-30-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
3-Nitroaniline	ND	0.033	EPA 8270E	4-30-21	4-30-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0430S1					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	4-30-21	4-30-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
4-Nitrophenol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Dibenzofuran	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Diethylphthalate	ND	0.17	EPA 8270E	4-30-21	4-30-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	4-30-21	4-30-21	
4-Nitroaniline	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270E	4-30-21	4-30-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	4-30-21	4-30-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	4-30-21	4-30-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Pentachlorophenol	ND	0.17	EPA 8270E	4-30-21	4-30-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
Carbazole	ND	0.033	EPA 8270E	4-30-21	4-30-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	4-30-21	4-30-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	4-30-21	4-30-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	4-30-21	4-30-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	4-30-21	4-30-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	4-30-21	4-30-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	4-30-21	4-30-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	74	22 - 109				
Phenol-d6	81	36 - 110				
Nitrobenzene-d5	74	31 - 109				
2-Fluorobiphenyl	78	45 - 107				
2,4,6-Tribromophenol	88	43 - 124				
Terphenyl-d14	83	52 - 118				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0430S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	1.05	0.945	1.33	1.33	79	71	47 - 104	11	30	
2-Chlorophenol	1.04	0.939	1.33	1.33	78	71	45 - 108	10	31	
1,4-Dichlorobenzene	0.500	0.444	0.667	0.667	75	67	41 - 105	12	32	
n-Nitroso-di-n-propylamine	0.461	0.410	0.667	0.667	69	61	47 - 103	12	28	
1,2,4-Trichlorobenzene	0.523	0.461	0.667	0.667	78	69	42 - 111	13	32	
4-Chloro-3-methylphenol	1.13	1.04	1.33	1.33	85	78	61 - 108	8	25	
Acenaphthene	0.468	0.431	0.667	0.667	70	65	54 - 102	8	23	
4-Nitrophenol	1.13	1.08	1.33	1.33	85	81	53 - 122	5	24	
2,4-Dinitrotoluene	0.540	0.505	0.667	0.667	81	76	57 - 107	7	22	
Pentachlorophenol	0.747	0.701	1.33	1.33	56	53	44 - 132	6	23	
Pyrene	0.536	0.489	0.667	0.667	80	73	58 - 111	9	21	
<i>Surrogate:</i>										
2-Fluorophenol					77	69	22 - 109			
Phenol-d6					82	75	36 - 110			
Nitrobenzene-d5					75	64	31 - 109			
2-Fluorobiphenyl					78	73	45 - 107			
2,4,6-Tribromophenol					94	85	43 - 124			
Terphenyl-d14					79	74	52 - 118			



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB4030S2					
Aroclor 1016	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1221	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1232	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1242	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1248	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1254	ND	0.050	EPA 8082A	4-30-21	4-30-21	
Aroclor 1260	ND	0.050	EPA 8082A	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	102		46-125			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	04-279-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.428	0.425	0.500	0.500	ND	86	85	43-125	1	15	
<i>Surrogate:</i>											
DCB						82	86	46-125			



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0430S2					
alpha-BHC	ND	5.0	EPA 8081B	4-30-21	4-30-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	4-30-21	4-30-21	
beta-BHC	ND	5.0	EPA 8081B	4-30-21	4-30-21	
delta-BHC	ND	5.0	EPA 8081B	4-30-21	4-30-21	
Heptachlor	ND	5.0	EPA 8081B	4-30-21	4-30-21	
Aldrin	ND	5.0	EPA 8081B	4-30-21	4-30-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	4-30-21	4-30-21	
gamma-Chlordane	ND	5.0	EPA 8081B	4-30-21	4-30-21	
alpha-Chlordane	ND	10	EPA 8081B	4-30-21	4-30-21	
4,4'-DDE	ND	10	EPA 8081B	4-30-21	4-30-21	
Endosulfan I	ND	5.0	EPA 8081B	4-30-21	4-30-21	
Dieldrin	ND	10	EPA 8081B	4-30-21	4-30-21	
Endrin	ND	5.0	EPA 8081B	4-30-21	4-30-21	
4,4'-DDD	ND	10	EPA 8081B	4-30-21	4-30-21	
Endosulfan II	ND	10	EPA 8081B	4-30-21	4-30-21	
4,4'-DDT	ND	10	EPA 8081B	4-30-21	4-30-21	
Endrin Aldehyde	ND	10	EPA 8081B	4-30-21	4-30-21	
Methoxychlor	ND	10	EPA 8081B	4-30-21	4-30-21	
Endosulfan Sulfate	ND	10	EPA 8081B	4-30-21	4-30-21	
Endrin Ketone	ND	10	EPA 8081B	4-30-21	4-30-21	
Toxaphene	ND	50	EPA 8081B	4-30-21	4-30-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	99	30-110				
DCB	107	40-117				



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits	Limit			
MATRIX SPIKES											
Laboratory ID:	04-296-01										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	111	113	100	100	ND	111	113	36-123	2	21	
gamma-BHC (Lindane)	114	118	100	100	ND	114	118	38-121	3	21	
beta-BHC	111	114	100	100	ND	111	114	31-125	3	21	
delta-BHC	108	111	100	100	ND	108	111	37-118	3	23	
Heptachlor	117	116	100	100	ND	117	116	37-123	1	24	
Aldrin	114	117	100	100	ND	114	117	45-118	3	22	
Heptachlor Epoxide	117	119	100	100	ND	117	119	46-114	2	22	I,I
gamma-Chlordane	112	115	100	100	ND	112	115	41-120	3	23	
alpha-Chlordane	109	111	100	100	ND	109	111	43-118	2	23	
4,4'-DDE	109	114	100	100	ND	109	114	34-139	4	22	
Endosulfan I	109	112	100	100	ND	109	112	43-124	3	25	
Dieldrin	119	123	100	100	ND	119	123	40-128	3	23	
Endrin	123	127	100	100	ND	123	127	44-120	3	28	I,I
4,4'-DDD	120	123	100	100	ND	120	123	42-131	2	21	
Endosulfan II	116	118	100	100	ND	116	118	47-112	2	22	I,I
4,4'-DDT	96.3	97.3	100	100	ND	96	97	29-141	1	32	
Endrin Aldehyde	107	110	100	100	ND	107	110	41-114	3	22	
Methoxychlor	130	130	100	100	ND	130	130	31-139	0	23	
Endosulfan Sulfate	109	111	100	100	ND	109	111	48-112	2	21	
Endrin Ketone	111	114	100	100	ND	111	114	46-117	3	22	
Surrogate:											
TCMX						82	87	30-110			
DCB						86	89	40-117			



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0430S1					
Dalapon	ND	180	EPA 8151A	4-30-21	5-1-21	
Dicamba	ND	9.4	EPA 8151A	4-30-21	5-1-21	
MCPPE	ND	940	EPA 8151A	4-30-21	5-1-21	
MCPA	ND	2300	EPA 8151A	4-30-21	5-1-21	
Dichlorprop	ND	71	EPA 8151A	4-30-21	5-1-21	
2,4-D	ND	9.4	EPA 8151A	4-30-21	5-1-21	
Pentachlorophenol	ND	4.8	EPA 8151A	4-30-21	5-1-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	4-30-21	5-1-21	
2,4,5-T	ND	9.5	EPA 8151A	4-30-21	5-1-21	
2,4-DB	ND	9.5	EPA 8151A	4-30-21	5-1-21	
Dinoseb	ND	9.5	EPA 8151A	4-30-21	5-1-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	86	18-119				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0430S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	300	245	1250	1250	N/A	24	20	10-105 20 35
Dicamba	192	212	250	250	N/A	77	85	32-106 10 20
MCPPE	17400	18300	25000	25000	N/A	70	73	19-143 5 23
MCPA	16300	18000	25000	25000	N/A	65	72	17-128 10 25
Dichlorprop	174	183	250	250	N/A	70	73	19-123 5 20
2,4-D	138	163	250	250	N/A	55	65	10-131 17 24
Pentachlorophenol	22.0	22.1	25.0	25.0	N/A	88	88	10-119 0 21
2,4,5-TP (Silvex)	199	208	250	250	N/A	79	83	38-127 4 18
2,4,5-T	145	168	250	250	N/A	58	67	24-144 15 19
2,4-DB	190	204	250	250	N/A	76	81	17-154 7 22
Dinoseb	178	199	250	250	N/A	71	80	10-124 11 32
<i>Surrogate:</i>								
DCAA					81	89	18-119	



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

TOTAL METALS
EPA 6010D/6020B/7471B
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0503SM1					
Arsenic	ND	10	EPA 6010D	5-3-21	5-3-21	
Barium	ND	2.5	EPA 6010D	5-3-21	5-3-21	
Cadmium	ND	0.50	EPA 6010D	5-3-21	5-3-21	
Chromium	ND	0.50	EPA 6010D	5-3-21	5-3-21	
Lead	ND	5.0	EPA 6010D	5-3-21	5-3-21	
Silver	ND	1.0	EPA 6010D	5-3-21	5-3-21	
Laboratory ID:	MB0504SM1					
Selenium	ND	0.50	EPA 6020B	5-4-21	5-4-21	
Laboratory ID:	MB0503S1					
Mercury	ND	0.015	EPA 7471B	5-3-21	5-3-21	



Date of Report: May 4, 2021
 Samples Submitted: April 29, 2021
 Laboratory Reference: 2104-296
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	04-309-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	20.6	23.6	NA	NA		NA	NA	14	20	
Copper	8.60	8.45	NA	NA		NA	NA	2	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	43.5	44.4	NA	NA		NA	NA	2	20	
Zinc	23.3	24.0	NA	NA		NA	NA	3	20	

Laboratory ID:	04-296-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	04-309-01									
Mercury	0.0161	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	04-309-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	96.9	93.6	100	100	ND	97	94	75-125	3	20
Cadmium	42.3	41.5	50.0	50.0	ND	85	83	75-125	2	20
Chromium	113	110	100	100	20.6	92	89	75-125	3	20
Copper	57.8	55.9	50.0	50.0	8.60	98	95	75-125	3	20
Lead	241	238	250	250	ND	96	95	75-125	1	20
Nickel	141	136	100	100	43.5	98	92	75-125	4	20
Zinc	121	117	100	100	23.3	98	94	75-125	3	20

Laboratory ID:	04-296-01									
Selenium	93.0	88.8	100	100	ND	93	89	75-125	5	20

Laboratory ID:	04-309-01									
Mercury	0.584	0.540	0.500	0.500	0.0161	114	105	80-120	8	20



Date of Report: May 4, 2021
Samples Submitted: April 29, 2021
Laboratory Reference: 2104-296
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-9-30	04-296-01	14	4-30-21
IAEX-10-4	04-296-02	10	4-30-21
IAEX-11-4	04-296-03	12	4-30-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





OnSite Environmental Inc.

Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: **04-296**

04-296

Company: GeoEngineers
 Project Number: 6694-002-03 T700
 Project Name: Go East Corp Landfill Site
 Project Manager: Rob Leet
 Sampled by: Paul Robinette

Lab ID Sample Identification Date Sampled Time Sampled Matrix

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	IAEX-9-30	4/29/11	8:40	5	6
2	IAEX-10-4	4/29/11	11:00	5	6
3	IAEX-11-4	4/29/11	12:00	5	6

Number of Containers

Test Method	1	2	3
NWTPH-HCID			
NWTPH-Gx/BTEX			
NWTPH-Gx	X	X	X
NWTPH-Dx (Acid / SG Clean-up)	X	X	X
Volatiles 8260C	X	X	X
Halogenated Volatiles 8260C			
EDB EPA 8011 (Waters Only)			
Semivolatiles 8270D/SIM (with low-level PAHs)	X	X	X
PAHs 8270D/SIM (low-level)	X	X	X
PCBs 8082A	X	X	X
Organochlorine Pesticides 8081B	X	X	X
Organophosphorus Pesticides 8270D/SIM			
Chlorinated Acid Herbicides 8151A	X	X	X
Total RCRA Metals			
Total MTCA Metals			
TCLP Metals			
HEM (oil and grease) 1664A			
TOTAL METALS *	X	X	X
% Moisture			

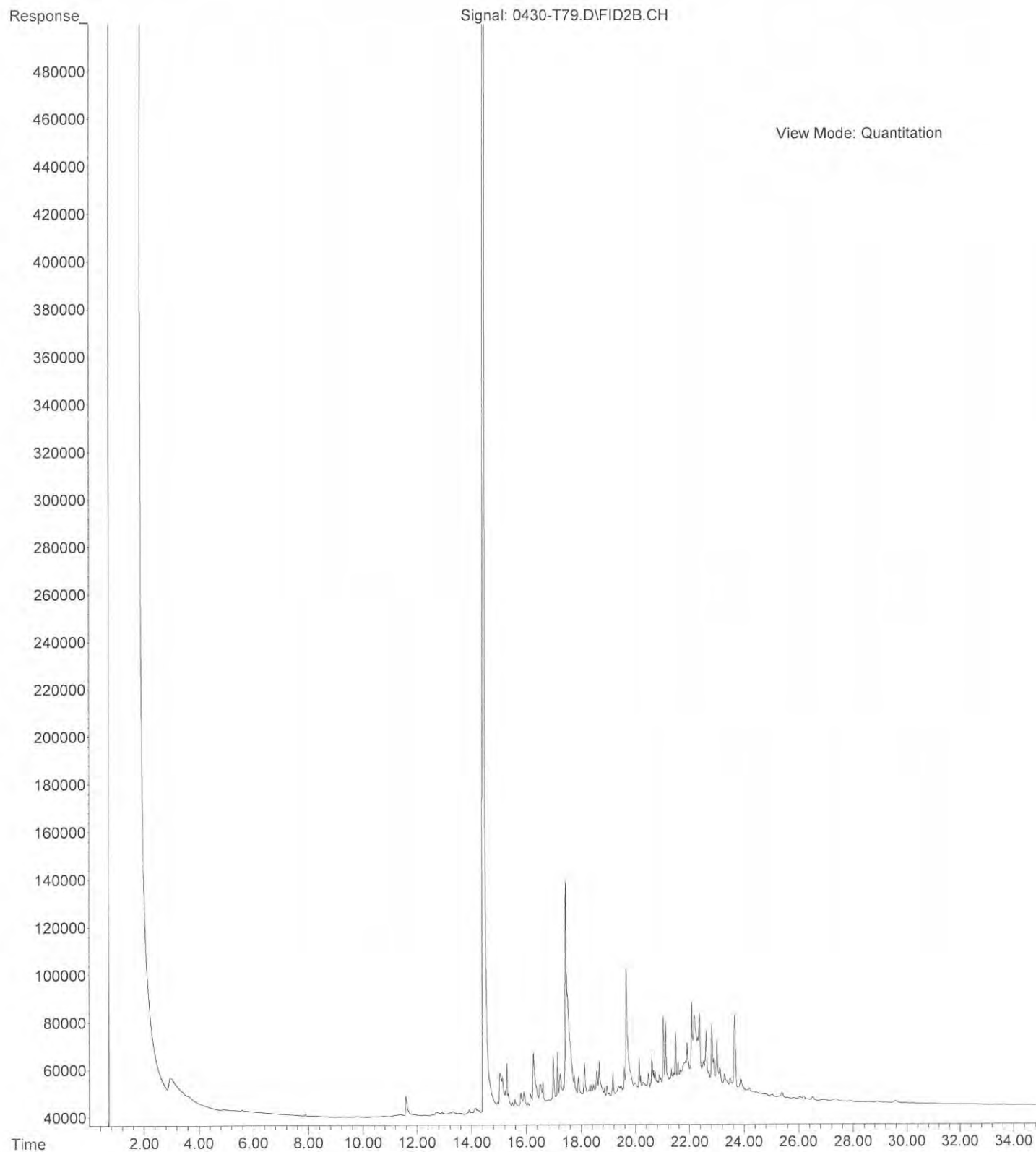
Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	GEI	4/29/11	3:30	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc
<i>[Signature]</i>	Specy Alpha	4/29/11	3:38	**PCBs as Aroclors
<i>[Signature]</i>	Specy Alpha	4/29/11	4:49	
<i>[Signature]</i>	Specy Alpha	4/29/11	1649	

Received/Date	Reviewed/Date
Received	Reviewed/Date
Relinquished	Reviewed/Date
Received	Reviewed/Date
Relinquished	Reviewed/Date
Received	Reviewed/Date
Relinquished	Reviewed/Date
Received	Reviewed/Date
Relinquished	Reviewed/Date
Received	Reviewed/Date
Relinquished	Reviewed/Date

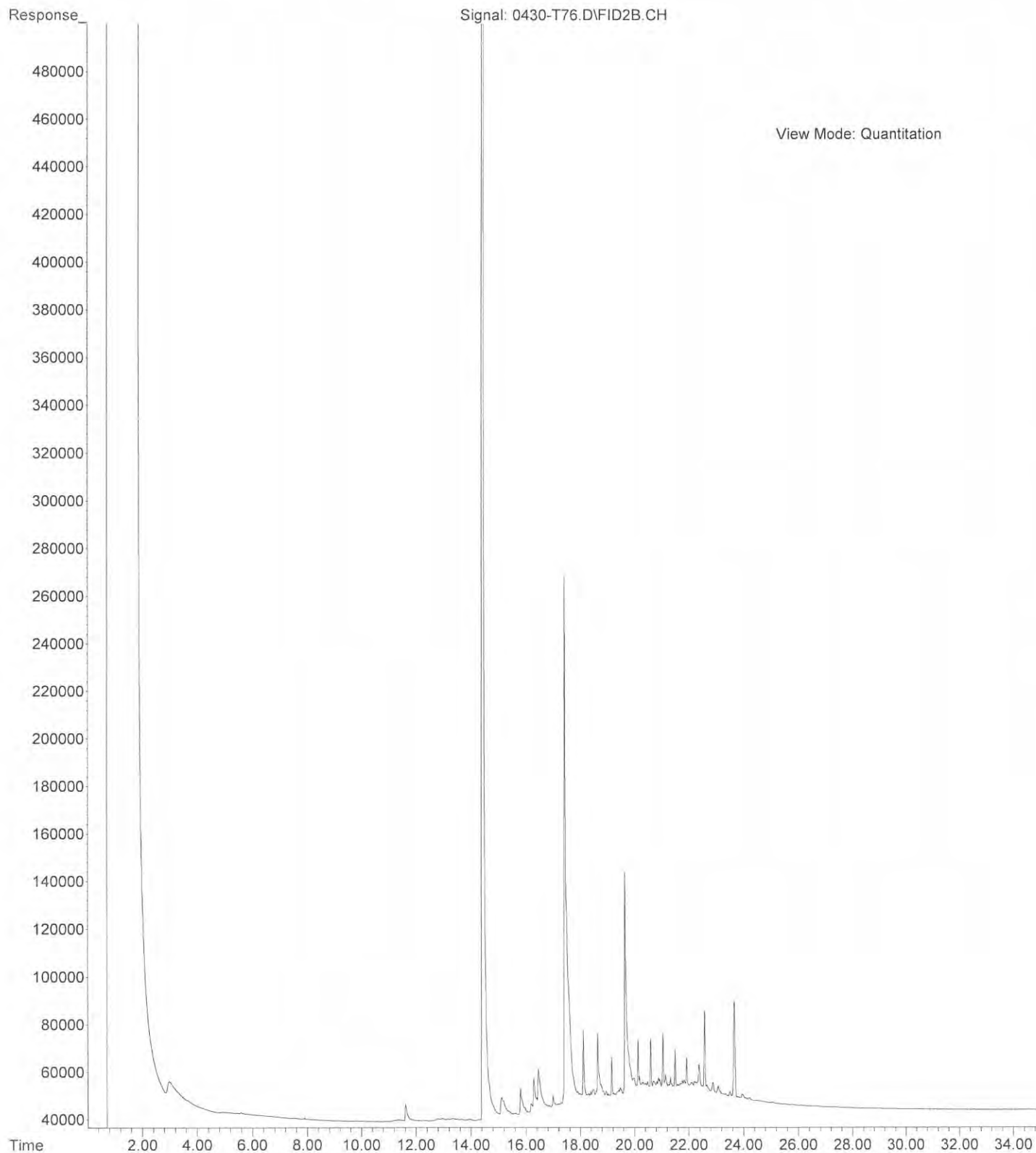
Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)

File :X:\DIESELS\Teri\Data\T210430.SEC\0430-T79.D
Operator : JT
Acquired : 01 May 2021 4:04 using AcqMethod T210205F.M
Instrument : Teri
Sample Name: 04-296-01
Misc Info :
Vial Number: 79



File :X:\DIESELS\Teri\Data\T210430.SEC\0430-T76.D
Operator : JT
Acquired : 01 May 2021 1:57 using AcqMethod T210205F.M
Instrument : Teri
Sample Name: 04-296-02
Misc Info :
Vial Number: 76





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 5, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2104-309

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on April 30, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 5, 2021
Samples Submitted: April 30, 2021
Laboratory Reference: 2104-309
Project: 6694-002-03 T700

Case Narrative

Samples were collected on April 30, 2021 and received by the laboratory on April 30, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Chlorinated Acid Herbicides EPA 8151A Analysis

The RPD values for Dalapon and Pentachlorophenol were above their respective quality control limits between the spike blank and spike blank duplicate. All percent recovery values were within quality control limits and no further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: May 5, 2021
Samples Submitted: April 30, 2021
Laboratory Reference: 2104-309
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-12-2	04-309-01	Soil	4-30-21	4-30-21	
IAEX-13-3	04-309-02	Soil	4-30-21	4-30-21	
IAEX-14-8	04-309-03	Soil	4-30-21	4-30-21	
IAEX-15-2	04-309-04	Soil	4-30-21	4-30-21	



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-12-2					
Laboratory ID:	04-309-01					
Gasoline	ND	5.7	NWTPH-Gx	5-4-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	100	66-129				
Client ID:	IAEX-13-3					
Laboratory ID:	04-309-02					
Gasoline	ND	6.4	NWTPH-Gx	5-4-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	66-129				
Client ID:	IAEX-15-2					
Laboratory ID:	04-309-04					
Gasoline	ND	6.1	NWTPH-Gx	5-4-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	100	66-129				



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-12-2					
Laboratory ID:	04-309-01					
Diesel Range Organics	ND	27	NWTPH-Dx	5-3-21	5-4-21	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-3-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				

Client ID:	IAEX-13-3					
Laboratory ID:	04-309-02					
Diesel Range Organics	ND	27	NWTPH-Dx	5-3-21	5-4-21	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-3-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				

Client ID:	IAEX-15-2					
Laboratory ID:	04-309-04					
Diesel Range Organics	ND	28	NWTPH-Dx	5-3-21	5-4-21	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-3-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	78	50-150				



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 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-12-2					
Laboratory ID:	04-309-01					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Chloromethane	ND	0.0069	EPA 8260D	5-3-21	5-3-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Bromomethane	ND	0.0053	EPA 8260D	5-3-21	5-3-21	
Chloroethane	ND	0.0053	EPA 8260D	5-3-21	5-3-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Acetone	ND	0.016	EPA 8260D	5-3-21	5-3-21	
Iodomethane	ND	0.0053	EPA 8260D	5-3-21	5-3-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Methylene Chloride	ND	0.0069	EPA 8260D	5-3-21	5-3-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	5-3-21	5-3-21	
Vinyl Acetate	ND	0.0068	EPA 8260D	5-3-21	5-3-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
2-Butanone	ND	0.0053	EPA 8260D	5-3-21	5-3-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Chloroform	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Benzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
2-Chloroethyl Vinyl Ether	ND	0.0067	EPA 8260D	5-3-21	5-3-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Methyl Isobutyl Ketone	ND	0.0053	EPA 8260D	5-3-21	5-3-21	
Toluene	ND	0.0053	EPA 8260D	5-3-21	5-3-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-12-2					
Laboratory ID:	04-309-01					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
2-Hexanone	ND	0.0053	EPA 8260D	5-3-21	5-3-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
m,p-Xylene	ND	0.0021	EPA 8260D	5-3-21	5-3-21	
o-Xylene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Styrene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Bromoform	ND	0.0053	EPA 8260D	5-3-21	5-3-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260D	5-3-21	5-3-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
Hexachlorobutadiene	ND	0.0053	EPA 8260D	5-3-21	5-3-21	
Naphthalene	ND	0.0053	EPA 8260D	5-3-21	5-3-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-13-3					
Laboratory ID:	04-309-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Chloromethane	ND	0.0077	EPA 8260D	5-3-21	5-3-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Bromomethane	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Chloroethane	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Acetone	ND	0.018	EPA 8260D	5-3-21	5-3-21	
Iodomethane	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Methylene Chloride	ND	0.0077	EPA 8260D	5-3-21	5-3-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Methyl t-Butyl Ether	ND	0.0015	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloroethane	ND	0.0015	EPA 8260D	5-3-21	5-3-21	
Vinyl Acetate	ND	0.0076	EPA 8260D	5-3-21	5-3-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
2-Butanone	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Chloroform	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Benzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
2-Chloroethyl Vinyl Ether	ND	0.0075	EPA 8260D	5-3-21	5-3-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Toluene	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-13-3					
Laboratory ID:	04-309-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
2-Hexanone	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
m,p-Xylene	ND	0.0024	EPA 8260D	5-3-21	5-3-21	
o-Xylene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Styrene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Bromoform	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2-Dibromo-3-chloropropane	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Naphthalene	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-15-2					
Laboratory ID:	04-309-04					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Chloromethane	ND	0.0078	EPA 8260D	5-3-21	5-3-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Bromomethane	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Chloroethane	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Acetone	ND	0.018	EPA 8260D	5-3-21	5-3-21	
Iodomethane	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Methylene Chloride	ND	0.0078	EPA 8260D	5-3-21	5-3-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Methyl t-Butyl Ether	ND	0.0016	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloroethane	ND	0.0016	EPA 8260D	5-3-21	5-3-21	
Vinyl Acetate	ND	0.0076	EPA 8260D	5-3-21	5-3-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
2-Butanone	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Chloroform	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Benzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
2-Chloroethyl Vinyl Ether	ND	0.0075	EPA 8260D	5-3-21	5-3-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Toluene	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-15-2					
Laboratory ID:	04-309-04					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
2-Hexanone	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
m,p-Xylene	ND	0.0024	EPA 8260D	5-3-21	5-3-21	
o-Xylene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Styrene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Bromoform	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
1,2-Dibromo-3-chloropropane	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
Naphthalene	ND	0.0060	EPA 8260D	5-3-21	5-3-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>71-130</i>				



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-12-2					
Laboratory ID:	04-309-01					
n-Nitrosodimethylamine	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Pyridine	ND	0.36	EPA 8270E	5-4-21	5-4-21	
Phenol	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Aniline	ND	0.18	EPA 8270E	5-4-21	5-4-21	
bis(2-Chloroethyl)ether	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2-Chlorophenol	ND	0.036	EPA 8270E	5-4-21	5-4-21	
1,3-Dichlorobenzene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
1,4-Dichlorobenzene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Benzyl alcohol	0.046	0.036	EPA 8270E	5-4-21	5-4-21	
1,2-Dichlorobenzene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2-Methylphenol (o-Cresol)	ND	0.036	EPA 8270E	5-4-21	5-4-21	
bis(2-Chloroisopropyl)ether	ND	0.036	EPA 8270E	5-4-21	5-4-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.036	EPA 8270E	5-4-21	5-4-21	
n-Nitroso-di-n-propylamine	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Hexachloroethane	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Nitrobenzene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Isophorone	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2-Nitrophenol	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2,4-Dimethylphenol	ND	0.036	EPA 8270E	5-4-21	5-4-21	
bis(2-Chloroethoxy)methane	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2,4-Dichlorophenol	ND	0.036	EPA 8270E	5-4-21	5-4-21	
1,2,4-Trichlorobenzene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Naphthalene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-4-21	5-4-21	
Hexachlorobutadiene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
4-Chloro-3-methylphenol	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
1-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Hexachlorocyclopentadiene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2,4,6-Trichlorophenol	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2,3-Dichloroaniline	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2,4,5-Trichlorophenol	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2-Chloronaphthalene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2-Nitroaniline	ND	0.036	EPA 8270E	5-4-21	5-4-21	
1,4-Dinitrobenzene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Dimethylphthalate	ND	0.036	EPA 8270E	5-4-21	5-4-21	
1,3-Dinitrobenzene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2,6-Dinitrotoluene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
1,2-Dinitrobenzene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Acenaphthylene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
3-Nitroaniline	ND	0.036	EPA 8270E	5-4-21	5-4-21	



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 Laboratory Reference: 2104-309
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-12-2					
Laboratory ID:	04-309-01					
2,4-Dinitrophenol	ND	0.18	EPA 8270E	5-4-21	5-4-21	
Acenaphthene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
4-Nitrophenol	0.049	0.036	EPA 8270E	5-4-21	5-4-21	
2,4-Dinitrotoluene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Dibenzofuran	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2,3,5,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-4-21	5-4-21	
2,3,4,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-4-21	5-4-21	
4-Chlorophenyl-phenylether	ND	0.036	EPA 8270E	5-4-21	5-4-21	
4-Nitroaniline	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Fluorene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
4,6-Dinitro-2-methylphenol	ND	0.18	EPA 8270E	5-4-21	5-4-21	
n-Nitrosodiphenylamine	ND	0.036	EPA 8270E	5-4-21	5-4-21	
1,2-Diphenylhydrazine	ND	0.036	EPA 8270E	5-4-21	5-4-21	
4-Bromophenyl-phenylether	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Hexachlorobenzene	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-4-21	5-4-21	
Phenanthrene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Anthracene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Carbazole	ND	0.036	EPA 8270E	5-4-21	5-4-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-4-21	5-4-21	
Fluoranthene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Pyrene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-4-21	5-4-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-4-21	5-4-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-4-21	5-4-21	
Benzo[a]anthracene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Chrysene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-4-21	5-4-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-4-21	5-4-21	
Benzo[b]fluoranthene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo(j,k)fluoranthene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo[a]pyrene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Indeno[1,2,3-cd]pyrene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Dibenz[a,h]anthracene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo[g,h,i]perylene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>74</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>83</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>75</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>83</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>90</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>83</i>	<i>41 - 115</i>				



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 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-13-3					
Laboratory ID:	04-309-02					
n-Nitrosodimethylamine	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Pyridine	ND	0.36	EPA 8270E	5-4-21	5-5-21	
Phenol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Aniline	ND	0.18	EPA 8270E	5-4-21	5-5-21	
bis(2-Chloroethyl)ether	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2-Chlorophenol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
1,3-Dichlorobenzene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
1,4-Dichlorobenzene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Benzyl alcohol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
1,2-Dichlorobenzene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2-Methylphenol (o-Cresol)	ND	0.036	EPA 8270E	5-4-21	5-5-21	
bis(2-Chloroisopropyl)ether	ND	0.036	EPA 8270E	5-4-21	5-5-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.036	EPA 8270E	5-4-21	5-5-21	
n-Nitroso-di-n-propylamine	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Hexachloroethane	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Nitrobenzene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Isophorone	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2-Nitrophenol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2,4-Dimethylphenol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
bis(2-Chloroethoxy)methane	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2,4-Dichlorophenol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
1,2,4-Trichlorobenzene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Naphthalene	0.18	0.036	EPA 8270E	5-4-21	5-5-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Hexachlorobutadiene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
4-Chloro-3-methylphenol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2-Methylnaphthalene	0.13	0.036	EPA 8270E	5-4-21	5-5-21	
1-Methylnaphthalene	0.054	0.036	EPA 8270E	5-4-21	5-5-21	
Hexachlorocyclopentadiene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2,4,6-Trichlorophenol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2,3-Dichloroaniline	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2,4,5-Trichlorophenol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2-Chloronaphthalene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2-Nitroaniline	ND	0.036	EPA 8270E	5-4-21	5-5-21	
1,4-Dinitrobenzene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Dimethylphthalate	ND	0.036	EPA 8270E	5-4-21	5-5-21	
1,3-Dinitrobenzene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2,6-Dinitrotoluene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
1,2-Dinitrobenzene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Acenaphthylene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
3-Nitroaniline	ND	0.036	EPA 8270E	5-4-21	5-5-21	



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 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-13-3					
Laboratory ID:	04-309-02					
2,4-Dinitrophenol	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Acenaphthene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
4-Nitrophenol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2,4-Dinitrotoluene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Dibenzofuran	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2,3,5,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
2,3,4,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
4-Chlorophenyl-phenylether	ND	0.036	EPA 8270E	5-4-21	5-5-21	
4-Nitroaniline	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Fluorene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
4,6-Dinitro-2-methylphenol	ND	0.18	EPA 8270E	5-4-21	5-5-21	
n-Nitrosodiphenylamine	ND	0.036	EPA 8270E	5-4-21	5-5-21	
1,2-Diphenylhydrazine	ND	0.036	EPA 8270E	5-4-21	5-5-21	
4-Bromophenyl-phenylether	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Hexachlorobenzene	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Phenanthrene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Anthracene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Carbazole	ND	0.036	EPA 8270E	5-4-21	5-5-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Fluoranthene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Pyrene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Benzo[a]anthracene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Chrysene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Benzo[b]fluoranthene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo(j,k)fluoranthene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo[a]pyrene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Indeno[1,2,3-cd]pyrene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Dibenz[a,h]anthracene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo[g,h,i]perylene	ND	0.0072	EPA 8270E/SIM	5-4-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>78</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>84</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>76</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>84</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>92</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>82</i>	<i>41 - 115</i>				



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 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-14-8					
Laboratory ID:	04-309-03					
Pyrene	ND	0.0073	EPA 8270E/SIM	5-4-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	86	26 - 109				
Phenol-d6	91	33 - 113				
Nitrobenzene-d5	81	31 - 110				
2-Fluorobiphenyl	88	42 - 107				
2,4,6-Tribromophenol	94	42 - 123				
Terphenyl-d14	87	41 - 115				



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-15-2					
Laboratory ID:	04-309-04					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Pyridine	ND	0.37	EPA 8270E	5-4-21	5-5-21	
Phenol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Aniline	ND	0.18	EPA 8270E	5-4-21	5-5-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2-Chlorophenol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Benzyl alcohol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	5-4-21	5-5-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	5-4-21	5-5-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	5-4-21	5-5-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Hexachloroethane	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Nitrobenzene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Isophorone	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2-Nitrophenol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Naphthalene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
1-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2-Nitroaniline	ND	0.037	EPA 8270E	5-4-21	5-5-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Dimethylphthalate	ND	0.037	EPA 8270E	5-4-21	5-5-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Acenaphthylene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
3-Nitroaniline	ND	0.037	EPA 8270E	5-4-21	5-5-21	



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 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-15-2					
Laboratory ID:	04-309-04					
2,4-Dinitrophenol	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Acenaphthene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
4-Nitrophenol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Dibenzofuran	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	5-4-21	5-5-21	
4-Nitroaniline	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Fluorene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
4,6-Dinitro-2-methylphenol	ND	0.18	EPA 8270E	5-4-21	5-5-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	5-4-21	5-5-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	5-4-21	5-5-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Phenanthrene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
Anthracene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
Carbazole	ND	0.037	EPA 8270E	5-4-21	5-5-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Fluoranthene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
Pyrene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Benzo[a]anthracene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
Chrysene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-4-21	5-5-21	
Benzo[b]fluoranthene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo(j,k)fluoranthene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo[a]pyrene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
Indeno[1,2,3-cd]pyrene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
Dibenz[a,h]anthracene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo[g,h,i]perylene	ND	0.0074	EPA 8270E/SIM	5-4-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>67</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>80</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>68</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>82</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>95</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>86</i>	<i>41 - 115</i>				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-12-2					
Laboratory ID:	04-309-01					
Aroclor 1016	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1221	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1232	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1242	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1248	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1254	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1260	ND	0.054	EPA 8082A	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	94	54-135				
Client ID:	IAEX-13-3					
Laboratory ID:	04-309-02					
Aroclor 1016	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1221	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1232	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1242	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1248	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1254	ND	0.054	EPA 8082A	5-3-21	5-3-21	
Aroclor 1260	ND	0.054	EPA 8082A	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	102	54-135				
Client ID:	IAEX-15-2					
Laboratory ID:	04-309-04					
Aroclor 1016	ND	0.055	EPA 8082A	5-3-21	5-3-21	
Aroclor 1221	ND	0.055	EPA 8082A	5-3-21	5-3-21	
Aroclor 1232	ND	0.055	EPA 8082A	5-3-21	5-3-21	
Aroclor 1242	ND	0.055	EPA 8082A	5-3-21	5-3-21	
Aroclor 1248	ND	0.055	EPA 8082A	5-3-21	5-3-21	
Aroclor 1254	ND	0.055	EPA 8082A	5-3-21	5-3-21	
Aroclor 1260	ND	0.055	EPA 8082A	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	96	54-135				



Date of Report: May 5, 2021
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 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-12-2					
Laboratory ID:	04-309-01					
alpha-BHC	ND	5.4	EPA 8081B	5-3-21	5-3-21	
gamma-BHC (Lindane)	ND	5.4	EPA 8081B	5-3-21	5-3-21	
beta-BHC	ND	5.4	EPA 8081B	5-3-21	5-3-21	
delta-BHC	ND	5.4	EPA 8081B	5-3-21	5-3-21	
Heptachlor	ND	5.4	EPA 8081B	5-3-21	5-3-21	
Aldrin	ND	5.4	EPA 8081B	5-3-21	5-3-21	
Heptachlor Epoxide	ND	5.4	EPA 8081B	5-3-21	5-3-21	
gamma-Chlordane	ND	5.4	EPA 8081B	5-3-21	5-3-21	
alpha-Chlordane	ND	11	EPA 8081B	5-3-21	5-3-21	
4,4'-DDE	ND	11	EPA 8081B	5-3-21	5-3-21	
Endosulfan I	ND	5.4	EPA 8081B	5-3-21	5-3-21	
Dieldrin	ND	11	EPA 8081B	5-3-21	5-3-21	
Endrin	ND	5.4	EPA 8081B	5-3-21	5-3-21	
4,4'-DDD	ND	11	EPA 8081B	5-3-21	5-3-21	
Endosulfan II	ND	11	EPA 8081B	5-3-21	5-3-21	
4,4'-DDT	ND	11	EPA 8081B	5-3-21	5-3-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-3-21	5-3-21	
Methoxychlor	ND	11	EPA 8081B	5-3-21	5-3-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-3-21	5-3-21	
Endrin Ketone	ND	11	EPA 8081B	5-3-21	5-3-21	
Toxaphene	ND	54	EPA 8081B	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	83	30-110				
DCB	95	40-117				



Date of Report: May 5, 2021
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 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-13-3					
Laboratory ID:	04-309-02					
alpha-BHC	ND	5.4	EPA 8081B	5-3-21	5-3-21	
gamma-BHC (Lindane)	ND	5.4	EPA 8081B	5-3-21	5-3-21	
beta-BHC	ND	5.4	EPA 8081B	5-3-21	5-3-21	
delta-BHC	ND	5.4	EPA 8081B	5-3-21	5-3-21	
Heptachlor	ND	5.4	EPA 8081B	5-3-21	5-3-21	
Aldrin	ND	5.4	EPA 8081B	5-3-21	5-3-21	
Heptachlor Epoxide	ND	5.4	EPA 8081B	5-3-21	5-3-21	
gamma-Chlordane	ND	5.4	EPA 8081B	5-3-21	5-3-21	
alpha-Chlordane	ND	11	EPA 8081B	5-3-21	5-3-21	
4,4'-DDE	ND	11	EPA 8081B	5-3-21	5-3-21	
Endosulfan I	ND	5.4	EPA 8081B	5-3-21	5-3-21	
Dieldrin	ND	11	EPA 8081B	5-3-21	5-3-21	
Endrin	ND	5.4	EPA 8081B	5-3-21	5-3-21	
4,4'-DDD	ND	11	EPA 8081B	5-3-21	5-3-21	
Endosulfan II	ND	11	EPA 8081B	5-3-21	5-3-21	
4,4'-DDT	ND	11	EPA 8081B	5-3-21	5-3-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-3-21	5-3-21	
Methoxychlor	ND	11	EPA 8081B	5-3-21	5-3-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-3-21	5-3-21	
Endrin Ketone	ND	11	EPA 8081B	5-3-21	5-3-21	
Toxaphene	ND	54	EPA 8081B	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	86	30-110				
DCB	90	40-117				



Date of Report: May 5, 2021
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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-15-2					
Laboratory ID:	04-309-04					
alpha-BHC	ND	5.5	EPA 8081B	5-3-21	5-3-21	
gamma-BHC (Lindane)	ND	5.5	EPA 8081B	5-3-21	5-3-21	
beta-BHC	ND	5.5	EPA 8081B	5-3-21	5-3-21	
delta-BHC	ND	5.5	EPA 8081B	5-3-21	5-3-21	
Heptachlor	ND	5.5	EPA 8081B	5-3-21	5-3-21	
Aldrin	ND	5.5	EPA 8081B	5-3-21	5-3-21	
Heptachlor Epoxide	ND	5.5	EPA 8081B	5-3-21	5-3-21	
gamma-Chlordane	ND	5.5	EPA 8081B	5-3-21	5-3-21	
alpha-Chlordane	ND	11	EPA 8081B	5-3-21	5-3-21	
4,4'-DDE	ND	11	EPA 8081B	5-3-21	5-3-21	
Endosulfan I	ND	5.5	EPA 8081B	5-3-21	5-3-21	
Dieldrin	ND	11	EPA 8081B	5-3-21	5-3-21	
Endrin	ND	5.5	EPA 8081B	5-3-21	5-3-21	
4,4'-DDD	ND	11	EPA 8081B	5-3-21	5-3-21	
Endosulfan II	ND	11	EPA 8081B	5-3-21	5-3-21	
4,4'-DDT	ND	11	EPA 8081B	5-3-21	5-3-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-3-21	5-3-21	
Methoxychlor	ND	11	EPA 8081B	5-3-21	5-3-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-3-21	5-3-21	
Endrin Ketone	ND	11	EPA 8081B	5-3-21	5-3-21	
Toxaphene	ND	55	EPA 8081B	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	89	30-110				
DCB	100	40-117				



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-12-2					
Laboratory ID:	04-309-01					
Dalapon	ND	200	EPA 8151A	5-4-21	5-5-21	
Dicamba	ND	10	EPA 8151A	5-4-21	5-5-21	
MCPD	ND	1000	EPA 8151A	5-4-21	5-5-21	
MCPA	ND	2500	EPA 8151A	5-4-21	5-5-21	
Dichlorprop	ND	77	EPA 8151A	5-4-21	5-5-21	
2,4-D	ND	20	EPA 8151A	5-4-21	5-5-21	
Pentachlorophenol	ND	5.1	EPA 8151A	5-4-21	5-5-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-4-21	5-5-21	
2,4,5-T	ND	21	EPA 8151A	5-4-21	5-5-21	
2,4-DB	ND	21	EPA 8151A	5-4-21	5-5-21	
Dinoseb	ND	10	EPA 8151A	5-4-21	5-5-21	

Surrogate: *Percent Recovery* *Control Limits*
 DCAA 49 27-134

Client ID:	IAEX-13-3					
Laboratory ID:	04-309-02					
Dalapon	ND	200	EPA 8151A	5-4-21	5-5-21	
Dicamba	ND	10	EPA 8151A	5-4-21	5-5-21	
MCPD	ND	1000	EPA 8151A	5-4-21	5-5-21	
MCPA	ND	2500	EPA 8151A	5-4-21	5-5-21	
Dichlorprop	ND	77	EPA 8151A	5-4-21	5-5-21	
2,4-D	ND	20	EPA 8151A	5-4-21	5-5-21	
Pentachlorophenol	ND	5.1	EPA 8151A	5-4-21	5-5-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-4-21	5-5-21	
2,4,5-T	ND	21	EPA 8151A	5-4-21	5-5-21	
2,4-DB	ND	21	EPA 8151A	5-4-21	5-5-21	
Dinoseb	ND	10	EPA 8151A	5-4-21	5-5-21	

Surrogate: *Percent Recovery* *Control Limits*
 DCAA 57 27-134



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-15-2					
Laboratory ID:	04-309-04					
Dalapon	ND	200	EPA 8151A	5-4-21	5-5-21	
Dicamba	ND	10	EPA 8151A	5-4-21	5-5-21	
MCPPP	ND	1000	EPA 8151A	5-4-21	5-5-21	
MCPA	ND	2600	EPA 8151A	5-4-21	5-5-21	
Dichlorprop	ND	78	EPA 8151A	5-4-21	5-5-21	
2,4-D	ND	21	EPA 8151A	5-4-21	5-5-21	
Pentachlorophenol	ND	5.2	EPA 8151A	5-4-21	5-5-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-4-21	5-5-21	
2,4,5-T	ND	21	EPA 8151A	5-4-21	5-5-21	
2,4-DB	ND	21	EPA 8151A	5-4-21	5-5-21	
Dinoseb	ND	10	EPA 8151A	5-4-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	51	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-12-2					
Laboratory ID:	04-309-01					
Arsenic	ND	11	EPA 6010D	5-3-21	5-3-21	
Cadmium	ND	0.54	EPA 6010D	5-3-21	5-3-21	
Chromium	22	0.54	EPA 6010D	5-3-21	5-3-21	
Copper	9.3	1.1	EPA 6010D	5-3-21	5-3-21	
Lead	ND	5.4	EPA 6010D	5-3-21	5-3-21	
Mercury	0.017	0.016	EPA 7471B	5-3-21	5-3-21	
Nickel	47	2.7	EPA 6010D	5-3-21	5-3-21	
Selenium	ND	0.54	EPA 6020B	5-3-21	5-3-21	
Zinc	25	2.7	EPA 6010D	5-3-21	5-3-21	

Client ID:	IAEX-13-3					
Laboratory ID:	04-309-02					
Arsenic	ND	11	EPA 6010D	5-3-21	5-3-21	
Cadmium	ND	0.54	EPA 6010D	5-3-21	5-3-21	
Chromium	25	0.54	EPA 6010D	5-3-21	5-3-21	
Copper	11	1.1	EPA 6010D	5-3-21	5-3-21	
Lead	ND	5.4	EPA 6010D	5-3-21	5-3-21	
Mercury	0.021	0.016	EPA 7471B	5-3-21	5-3-21	
Nickel	50	2.7	EPA 6010D	5-3-21	5-3-21	
Selenium	ND	0.54	EPA 6020B	5-3-21	5-3-21	
Zinc	29	2.7	EPA 6010D	5-3-21	5-3-21	

Client ID:	IAEX-15-2					
Laboratory ID:	04-309-04					
Arsenic	ND	11	EPA 6010D	5-3-21	5-3-21	
Cadmium	ND	0.55	EPA 6010D	5-3-21	5-3-21	
Chromium	22	0.55	EPA 6010D	5-3-21	5-3-21	
Copper	11	1.1	EPA 6010D	5-3-21	5-3-21	
Lead	ND	5.5	EPA 6010D	5-3-21	5-3-21	
Mercury	0.026	0.017	EPA 7471B	5-3-21	5-3-21	
Nickel	42	2.8	EPA 6010D	5-3-21	5-3-21	
Selenium	ND	0.55	EPA 6020B	5-3-21	5-3-21	
Zinc	26	2.8	EPA 6010D	5-3-21	5-3-21	



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0504S1					
Gasoline	ND	5.0	NWTPH-Gx	5-4-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	97	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-309-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
Fluorobenzene				100	101	66-129		



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0503S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-3-21	5-3-21	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-309-01							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				90	81	50-150		



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0503S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Chloromethane	ND	0.0065	EPA 8260D	5-3-21	5-3-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Bromomethane	ND	0.0050	EPA 8260D	5-3-21	5-3-21	
Chloroethane	ND	0.0050	EPA 8260D	5-3-21	5-3-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Acetone	ND	0.015	EPA 8260D	5-3-21	5-3-21	
Iodomethane	ND	0.0050	EPA 8260D	5-3-21	5-3-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Methylene Chloride	ND	0.0065	EPA 8260D	5-3-21	5-3-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	5-3-21	5-3-21	
Vinyl Acetate	ND	0.0064	EPA 8260D	5-3-21	5-3-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
2-Butanone	ND	0.0050	EPA 8260D	5-3-21	5-3-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Chloroform	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Benzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260D	5-3-21	5-3-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-3-21	5-3-21	
Toluene	ND	0.0050	EPA 8260D	5-3-21	5-3-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	



Date of Report: May 5, 2021
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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0503S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-3-21	5-3-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-3-21	5-3-21	
o-Xylene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Styrene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Bromoform	ND	0.0050	EPA 8260D	5-3-21	5-3-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-3-21	5-3-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-3-21	5-3-21	
Naphthalene	ND	0.0050	EPA 8260D	5-3-21	5-3-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>71-130</i>				



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0503S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0424	0.0446	0.0500	0.0500	85	89	55-126	5	17	
Benzene	0.0479	0.0517	0.0500	0.0500	96	103	65-121	8	16	
Trichloroethene	0.0530	0.0554	0.0500	0.0500	106	111	74-126	4	16	
Toluene	0.0458	0.0473	0.0500	0.0500	92	95	71-121	3	16	
Chlorobenzene	0.0462	0.0479	0.0500	0.0500	92	96	72-123	4	16	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					90	98	74-131			
<i>Toluene-d8</i>					94	94	78-128			
<i>4-Bromofluorobenzene</i>					102	104	71-130			



Date of Report: May 5, 2021
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 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0504S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Pyridine	ND	0.33	EPA 8270E	5-4-21	5-4-21	
Phenol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Aniline	ND	0.17	EPA 8270E	5-4-21	5-4-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-4-21	5-4-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-4-21	5-4-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-4-21	5-4-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Isophorone	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-4-21	5-4-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-4-21	5-4-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-4-21	5-4-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-4-21	5-4-21	



Date of Report: May 5, 2021
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 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0504S1					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	5-4-21	5-4-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
4-Nitrophenol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Dibenzofuran	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-4-21	5-4-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-4-21	5-4-21	
4-Nitroaniline	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270E	5-4-21	5-4-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-4-21	5-4-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-4-21	5-4-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-4-21	5-4-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
Carbazole	ND	0.033	EPA 8270E	5-4-21	5-4-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-4-21	5-4-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-4-21	5-4-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-4-21	5-4-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-4-21	5-4-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-4-21	5-4-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-4-21	5-4-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-4-21	5-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	93	26 - 109				
Phenol-d6	100	33 - 113				
Nitrobenzene-d5	89	31 - 110				
2-Fluorobiphenyl	91	42 - 107				
2,4,6-Tribromophenol	98	42 - 123				
Terphenyl-d14	87	41 - 115				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits		Limit		
MATRIX SPIKES											
Laboratory ID:	04-309-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	1.07	1.02	1.33	1.33	ND	80	77	33 - 105	5	36	
2-Chlorophenol	1.07	1.07	1.33	1.33	ND	80	80	36 - 105	0	38	
1,4-Dichlorobenzene	0.520	0.560	0.667	0.667	ND	78	84	27 - 106	7	40	
n-Nitroso-di-n-propylamine	0.493	0.511	0.667	0.667	ND	74	77	28 - 111	4	35	
1,2,4-Trichlorobenzene	0.559	0.586	0.667	0.667	ND	84	88	37 - 104	5	41	
4-Chloro-3-methylphenol	1.16	1.09	1.33	1.33	ND	87	82	42 - 113	6	25	
Acenaphthene	0.514	0.513	0.667	0.667	ND	77	77	36 - 104	0	23	
4-Nitrophenol	1.21	1.23	1.33	1.33	0.0449	88	89	22 - 135	2	24	
2,4-Dinitrotoluene	0.589	0.588	0.667	0.667	ND	88	88	25 - 114	0	26	
Pentachlorophenol	1.33	1.23	1.33	1.33	ND	100	92	28 - 135	8	28	
Pyrene	0.587	0.586	0.667	0.667	ND	88	88	29 - 127	0	20	
<i>Surrogate:</i>											
2-Fluorophenol						78	77	26 - 109			
Phenol-d6						86	83	33 - 113			
Nitrobenzene-d5						76	79	31 - 110			
2-Fluorobiphenyl						85	82	42 - 107			
2,4,6-Tribromophenol						93	87	42 - 123			
Terphenyl-d14						85	84	41 - 115			



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0503S1					
Aroclor 1016	ND	0.050	EPA 8082A	5-3-21	5-3-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-3-21	5-3-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-3-21	5-3-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-3-21	5-3-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-3-21	5-3-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-3-21	5-3-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-3-21	5-3-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	98		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	04-309-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.464	0.473	0.500	0.500	ND	93	95	62-129	2	15	
Surrogate:											
DCB						91	90	54-135			



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0503S1					
alpha-BHC	ND	5.0	EPA 8081B	5-3-21	5-3-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-3-21	5-3-21	
beta-BHC	ND	5.0	EPA 8081B	5-3-21	5-3-21	
delta-BHC	ND	5.0	EPA 8081B	5-3-21	5-3-21	
Heptachlor	ND	5.0	EPA 8081B	5-3-21	5-3-21	
Aldrin	ND	5.0	EPA 8081B	5-3-21	5-3-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-3-21	5-3-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-3-21	5-3-21	
alpha-Chlordane	ND	10	EPA 8081B	5-3-21	5-3-21	
4,4'-DDE	ND	10	EPA 8081B	5-3-21	5-3-21	
Endosulfan I	ND	5.0	EPA 8081B	5-3-21	5-3-21	
Dieldrin	ND	10	EPA 8081B	5-3-21	5-3-21	
Endrin	ND	5.0	EPA 8081B	5-3-21	5-3-21	
4,4'-DDD	ND	10	EPA 8081B	5-3-21	5-3-21	
Endosulfan II	ND	10	EPA 8081B	5-3-21	5-3-21	
4,4'-DDT	ND	10	EPA 8081B	5-3-21	5-3-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-3-21	5-3-21	
Methoxychlor	ND	10	EPA 8081B	5-3-21	5-3-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-3-21	5-3-21	
Endrin Ketone	ND	10	EPA 8081B	5-3-21	5-3-21	
Toxaphene	ND	50	EPA 8081B	5-3-21	5-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>103</i>	<i>30-110</i>				
<i>DCB</i>	<i>103</i>	<i>40-117</i>				



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	Limit			
MATRIX SPIKES											
Laboratory ID:	04-309-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	96.2	102	100	100	ND	96	102	36-123	6	21	
gamma-BHC (Lindane)	95.9	99.8	100	100	ND	96	100	38-121	4	21	
beta-BHC	89.0	93.6	100	100	ND	89	94	31-125	5	21	
delta-BHC	96.2	102	100	100	ND	96	102	37-118	6	23	
Heptachlor	92.4	97.8	100	100	ND	92	98	37-123	6	24	
Aldrin	97.3	99.9	100	100	ND	97	100	45-118	3	22	
Heptachlor Epoxide	92.3	95.3	100	100	ND	92	95	46-114	3	22	
gamma-Chlordane	94.0	96.4	100	100	ND	94	96	41-120	3	23	
alpha-Chlordane	91.9	95.1	100	100	ND	92	95	43-118	3	23	
4,4'-DDE	92.1	94.7	100	100	ND	92	95	34-139	3	22	
Endosulfan I	93.0	97.0	100	100	ND	93	97	43-124	4	25	
Dieldrin	92.4	95.9	100	100	ND	92	96	40-128	4	23	
Endrin	100	102	100	100	ND	100	102	44-120	2	28	
4,4'-DDD	101	103	100	100	ND	101	103	42-131	2	21	
Endosulfan II	94.9	98.5	100	100	ND	95	99	47-112	4	22	
4,4'-DDT	106	109	100	100	ND	106	109	29-141	3	32	
Endrin Aldehyde	84.8	90.0	100	100	ND	85	90	41-114	6	22	
Methoxychlor	108	111	100	100	ND	108	111	31-139	3	23	
Endosulfan Sulfate	92.9	98.6	100	100	ND	93	99	48-112	6	21	
Endrin Ketone	86.3	89.8	100	100	ND	86	90	46-117	4	22	
Surrogate:											
TCMX						90	89	30-110			
DCB						96	95	40-117			



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0504S1					
Dalapon	ND	180	EPA 8151A	5-4-21	5-5-21	
Dicamba	ND	9.4	EPA 8151A	5-4-21	5-5-21	
MCPPE	ND	940	EPA 8151A	5-4-21	5-5-21	
MCPA	ND	2300	EPA 8151A	5-4-21	5-5-21	
Dichlorprop	ND	71	EPA 8151A	5-4-21	5-5-21	
2,4-D	ND	19	EPA 8151A	5-4-21	5-5-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-4-21	5-5-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-4-21	5-5-21	
2,4,5-T	ND	19	EPA 8151A	5-4-21	5-5-21	
2,4-DB	ND	19	EPA 8151A	5-4-21	5-5-21	
Dinoseb	ND	9.5	EPA 8151A	5-4-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	41	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0504S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	374	794	1250	1250	N/A	30 64	10-68	72 38 L
Dicamba	178	188	250	250	N/A	71 75	52.101	5 18
MCPPE	13300	14100	25000	25000	N/A	53 56	63.105	6 21
MCPA	11600	12900	25000	25000	N/A	46 52	45-107	11 21
Dichlorprop	168	180	250	250	N/A	67 72	54-106	7 18
2,4-D	155	163	250	250	N/A	62 65	33-95	5 25
Pentachlorophenol	21.8	27.2	25.0	25.0	N/A	87 109	48-125	22 20 L
2,4,5-TP (Silvex)	207	218	250	250	N/A	83 87	62-115	5 17
2,4,5-T	196	215	250	250	N/A	79 86	48-108	9 21
2,4-DB	264	278	250	250	N/A	106 111	45-114	5 23
Dinoseb	153	192	250	250	N/A	61 77	51-124	23 27
<i>Surrogate:</i>								
DCAA					74	81	27-134	



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

TOTAL METALS
EPA 6010D/6020B/7471B
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0503SM1					
Arsenic	ND	10	EPA 6010D	5-3-21	5-3-21	
Barium	ND	2.5	EPA 6010D	5-3-21	5-3-21	
Cadmium	ND	0.50	EPA 6010D	5-3-21	5-3-21	
Chromium	ND	0.50	EPA 6010D	5-3-21	5-3-21	
Lead	ND	5.0	EPA 6010D	5-3-21	5-3-21	
Silver	ND	1.0	EPA 6010D	5-3-21	5-3-21	
Laboratory ID:	MB0504SM1					
Selenium	ND	0.50	EPA 6020B	5-4-21	5-4-21	
Laboratory ID:	MB0503S1					
Mercury	ND	0.015	EPA 7471B	5-3-21	5-3-21	



Date of Report: May 5, 2021
 Samples Submitted: April 30, 2021
 Laboratory Reference: 2104-309
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	04-309-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	20.6	23.6	NA	NA		NA	NA	14	20	
Copper	8.60	8.45	NA	NA		NA	NA	2	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	43.5	44.4	NA	NA		NA	NA	2	20	
Zinc	23.3	24.0	NA	NA		NA	NA	3	20	

Laboratory ID:	04-296-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	04-309-01									
Mercury	0.0161	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	04-309-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	96.9	93.6	100	100	ND	97	94	75-125	3	20
Cadmium	42.3	41.5	50.0	50.0	ND	85	83	75-125	2	20
Chromium	113	110	100	100	20.6	92	89	75-125	3	20
Copper	57.8	55.9	50.0	50.0	8.60	98	95	75-125	3	20
Lead	241	238	250	250	ND	96	95	75-125	1	20
Nickel	141	136	100	100	43.5	98	92	75-125	4	20
Zinc	121	117	100	100	23.3	98	94	75-125	3	20

Laboratory ID:	04-296-01									
Selenium	93.0	88.8	100	100	ND	93	89	75-125	5	20

Laboratory ID:	04-309-01									
Mercury	0.584	0.540	0.500	0.500	0.0161	114	105	80-120	8	20



Date of Report: May 5, 2021
Samples Submitted: April 30, 2021
Laboratory Reference: 2104-309
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-12-2	04-309-01	8	5-3-21
IAEX-13-3	04-309-02	8	5-3-21
IAEX-14-8	04-309-03	9	5-3-21
IAEX-15-2	04-309-04	9	5-3-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





Mv Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3981 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (In working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)

_____ (other)

Laboratory Number: **04-309**

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL METALS *	% Moisture
6			X	X	X			X		X	X	X	X	X	X	X	X	X	X
5			X	X	X			X		X	X	X	X	X	X	X	X	X	X
5			X	X	X			X		X	X	X	X	X	X	X	X	X	X
5			X	X	X			X		X	X	X	X	X	X	X	X	X	X

Lab ID Sample Identification Date Sampled Time Sampled Matrix

1	IAEX-12-2	4/30/11	1300	S
2	IAEX-13-3	4/29/11	1315	S
3	IAEX-14-8	4/29/11	1440	S
4	IAEX-15-2	4/29/11	1450	S

Signature Company Date Time Comments/Special Instructions

Relinquished	<i>[Signature]</i>	BEI	4/30/11	3:15	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc **PCBs as Aroclors
Received	<i>[Signature]</i>	BEI	4/30/11	3:15	
Relinquished	<i>[Signature]</i>	BEI	4/30/11	5:30	
Received	<i>[Signature]</i>	BEI	4/30/11	1730	

Reviewed/Date: _____

Reviewed/Date: _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)

Sample/Cooler Receipt and Acceptance Checklist

Client: GES
 Client Project Name/Number: 6694-002-03 T700
 OnSite Project Number: 04-309

Initiated by: *[Signature]*
 Date Initiated: 4/30/20

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	<input checked="" type="radio"/> No	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	<input checked="" type="radio"/> N/A	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	<input checked="" type="radio"/> N/A	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	<input checked="" type="radio"/> Yes	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	<input checked="" type="radio"/> Yes	No	N/A	Temperature: <u>5</u>	
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	<input checked="" type="radio"/> N/A			
1.7 How were the samples delivered?	Client	<input checked="" type="radio"/> Courier	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	<input checked="" type="radio"/> Yes	No		1 2 3 4	
2.2 Was the COC legible and written in permanent ink?	<input checked="" type="radio"/> Yes	No		1 2 3 4	
2.3 Have samples been relinquished and accepted by each custodian?	<input checked="" type="radio"/> Yes	No		1 2 3 4	
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	<input checked="" type="radio"/> Yes	No		1 2 3 4	
2.5 Were all of the samples listed on the COC submitted?	<input checked="" type="radio"/> Yes	No		1 2 3 4	
2.6 Were any of the samples submitted omitted from the COC?	Yes	<input checked="" type="radio"/> No		1 2 3 4	

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	<input checked="" type="radio"/> No		1 2 3 4	
3.2 Were any sample labels missing or illegible?	Yes	<input checked="" type="radio"/> No		1 2 3 4	
3.3 Have the correct containers been used for each analysis requested?	<input checked="" type="radio"/> Yes	No		1 2 3 4	
3.4 Have the samples been correctly preserved?	Yes	No	<input checked="" type="radio"/> N/A	1 2 3 4	
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	<input checked="" type="radio"/> N/A	1 2 3 4	
3.6 Is there sufficient sample submitted to perform requested analyses?	<input checked="" type="radio"/> Yes	No		1 2 3 4	
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	<input checked="" type="radio"/> No		1 2 3 4	
3.8 Was method 5035A used?	<input checked="" type="radio"/> Yes	No	N/A	1 2 3 4	
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#	<u>1</u>	N/A	1 2 3 4	

Explain any discrepancies:

- 1 - Discuss issue in Case Narrative
- 2 - Process Sample As-is
- 3 - Client contacted to discuss problem
- 4 - Sample cannot be analyzed or client does not wish to proceed



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 7, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-023

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 4, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 7, 2021
Samples Submitted: May 4, 2021
Laboratory Reference: 2105-023
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 4, 2021 and received by the laboratory on May 4, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 7, 2021
Samples Submitted: May 4, 2021
Laboratory Reference: 2105-023
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-16-15	05-023-01	Soil	5-4-21	5-4-21	
IAEX-17-35	05-023-02	Soil	5-4-21	5-4-21	
IAEX-18-35	05-023-03	Soil	5-4-21	5-4-21	
IAEX-19-1	05-023-04	Soil	5-4-21	5-4-21	



Date of Report: May 7, 2021
 Samples Submitted: May 4, 2021
 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-16-15					
Laboratory ID:	05-023-01					
Gasoline	ND	6.1	NWTPH-Gx	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	66-129				
Client ID:	IAEX-17-35					
Laboratory ID:	05-023-02					
Gasoline	ND	5.7	NWTPH-Gx	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	66-129				
Client ID:	IAEX-18-35					
Laboratory ID:	05-023-03					
Gasoline	ND	5.6	NWTPH-Gx	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	101	66-129				
Client ID:	IAEX-19-1					
Laboratory ID:	05-023-04					
Gasoline	ND	5.9	NWTPH-Gx	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	66-129				



Date of Report: May 7, 2021
 Samples Submitted: May 4, 2021
 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-16-15					
Laboratory ID:	05-023-01					
Diesel Range Organics	ND	28	NWTPH-Dx	5-5-21	5-5-21	X1
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-5-21	5-5-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	104	50-150				

Client ID:	IAEX-17-35					
Laboratory ID:	05-023-02					
Diesel Range Organics	ND	28	NWTPH-Dx	5-5-21	5-5-21	X1
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-5-21	5-5-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				

Client ID:	IAEX-18-35					
Laboratory ID:	05-023-03					
Diesel Range Organics	ND	28	NWTPH-Dx	5-5-21	5-5-21	X1
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-5-21	5-5-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				

Client ID:	IAEX-19-1					
Laboratory ID:	05-023-04					
Diesel Range Organics	ND	27	NWTPH-Dx	5-5-21	5-5-21	X1
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-5-21	5-5-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	107	50-150				



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 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-16-15					
Laboratory ID:	05-023-01					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Chloromethane	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Bromomethane	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
Chloroethane	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Acetone	ND	0.017	EPA 8260D	5-5-21	5-5-21	
Iodomethane	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Methylene Chloride	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Vinyl Acetate	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
2-Butanone	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Chloroform	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Benzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
Toluene	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-16-15					
Laboratory ID:	05-023-01					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
2-Hexanone	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
m,p-Xylene	ND	0.0024	EPA 8260D	5-5-21	5-5-21	
o-Xylene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Styrene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Bromoform	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2-Dibromo-3-chloropropane	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
Naphthalene	ND	0.0060	EPA 8260D	5-5-21	5-5-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>105</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-17-35					
Laboratory ID:	05-023-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Chloromethane	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Bromomethane	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
Chloroethane	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Acetone	0.036	0.017	EPA 8260D	5-5-21	5-5-21	Y
Iodomethane	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Methylene Chloride	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Vinyl Acetate	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
2-Butanone	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Chloroform	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Benzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Methyl Isobutyl Ketone	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
Toluene	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-17-35					
Laboratory ID:	05-023-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
2-Hexanone	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
m,p-Xylene	ND	0.0025	EPA 8260D	5-5-21	5-5-21	
o-Xylene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Styrene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Bromoform	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
1,2-Dibromo-3-chloropropane	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
Hexachlorobutadiene	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
Naphthalene	ND	0.0061	EPA 8260D	5-5-21	5-5-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>114</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-18-35					
Laboratory ID:	05-023-03					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Chloromethane	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
Vinyl Chloride	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Bromomethane	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
Chloroethane	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Acetone	0.023	0.020	EPA 8260D	5-5-21	5-5-21	Y
Iodomethane	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
Carbon Disulfide	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Methylene Chloride	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Vinyl Acetate	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
2-Butanone	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
Bromochloromethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Chloroform	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Benzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Trichloroethene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Dibromomethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Bromodichloromethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
2-Chloroethyl Vinyl Ether	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Methyl Isobutyl Ketone	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
Toluene	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-18-35					
Laboratory ID:	05-023-03					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Tetrachloroethene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
2-Hexanone	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
Dibromochloromethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Chlorobenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Ethylbenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
m,p-Xylene	ND	0.0029	EPA 8260D	5-5-21	5-5-21	
o-Xylene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Styrene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Bromoform	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
Isopropylbenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Bromobenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
n-Propylbenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
2-Chlorotoluene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
4-Chlorotoluene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
tert-Butylbenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
sec-Butylbenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
p-Isopropyltoluene	0.0095	0.0014	EPA 8260D	5-5-21	5-5-21	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
n-Butylbenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
1,2-Dibromo-3-chloropropane	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
Hexachlorobutadiene	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
Naphthalene	ND	0.0072	EPA 8260D	5-5-21	5-5-21	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>71-130</i>				



Date of Report: May 7, 2021
 Samples Submitted: May 4, 2021
 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-19-1					
Laboratory ID:	05-023-04					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Chloromethane	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Bromomethane	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
Chloroethane	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Acetone	ND	0.016	EPA 8260D	5-5-21	5-5-21	
Iodomethane	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Methylene Chloride	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Vinyl Acetate	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
2-Butanone	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Chloroform	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Benzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Methyl Isobutyl Ketone	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
Toluene	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-19-1					
Laboratory ID:	05-023-04					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
2-Hexanone	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
m,p-Xylene	ND	0.0023	EPA 8260D	5-5-21	5-5-21	
o-Xylene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Styrene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Bromoform	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
Hexachlorobutadiene	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
Naphthalene	ND	0.0057	EPA 8260D	5-5-21	5-5-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-16-15					
Laboratory ID:	05-023-01					
n-Nitrosodimethylamine	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Pyridine	ND	0.38	EPA 8270E	5-6-21	5-6-21	
Phenol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Aniline	ND	0.19	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethyl)ether	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2-Chlorophenol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Benzyl alcohol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2-Methylphenol (o-Cresol)	ND	0.038	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroisopropyl)ether	ND	0.038	EPA 8270E	5-6-21	5-6-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.038	EPA 8270E	5-6-21	5-6-21	
n-Nitroso-di-n-propylamine	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Hexachloroethane	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Nitrobenzene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Isophorone	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2-Nitrophenol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2,4-Dimethylphenol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethoxy)methane	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2,4-Dichlorophenol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Naphthalene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
4-Chloroaniline	ND	0.19	EPA 8270E	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
4-Chloro-3-methylphenol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2-Methylnaphthalene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
1-Methylnaphthalene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
Hexachlorocyclopentadiene	ND	0.057	EPA 8270E	5-6-21	5-6-21	
2,4,6-Trichlorophenol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2,3-Dichloroaniline	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2,4,5-Trichlorophenol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2-Chloronaphthalene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2-Nitroaniline	ND	0.038	EPA 8270E	5-6-21	5-6-21	
1,4-Dinitrobenzene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Dimethylphthalate	ND	0.038	EPA 8270E	5-6-21	5-6-21	
1,3-Dinitrobenzene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2,6-Dinitrotoluene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
1,2-Dinitrobenzene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Acenaphthylene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
3-Nitroaniline	ND	0.038	EPA 8270E	5-6-21	5-6-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-16-15					
Laboratory ID:	05-023-01					
2,4-Dinitrophenol	ND	0.44	EPA 8270E	5-6-21	5-6-21	
Acenaphthene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
4-Nitrophenol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2,4-Dinitrotoluene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Dibenzofuran	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2,3,5,6-Tetrachlorophenol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
2,3,4,6-Tetrachlorophenol	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Diethylphthalate	ND	0.19	EPA 8270E	5-6-21	5-6-21	
4-Chlorophenyl-phenylether	ND	0.038	EPA 8270E	5-6-21	5-6-21	
4-Nitroaniline	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Fluorene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
4,6-Dinitro-2-methylphenol	ND	0.30	EPA 8270E	5-6-21	5-6-21	
n-Nitrosodiphenylamine	ND	0.038	EPA 8270E	5-6-21	5-6-21	
1,2-Diphenylhydrazine	ND	0.038	EPA 8270E	5-6-21	5-6-21	
4-Bromophenyl-phenylether	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Hexachlorobenzene	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Pentachlorophenol	ND	0.19	EPA 8270E	5-6-21	5-6-21	
Phenanthrene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
Anthracene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
Carbazole	ND	0.038	EPA 8270E	5-6-21	5-6-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	5-6-21	5-6-21	
Fluoranthene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
Pyrene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	5-6-21	5-6-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	5-6-21	5-6-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	5-6-21	5-6-21	
Benzo[a]anthracene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
Chrysene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	5-6-21	5-6-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	5-6-21	5-6-21	
Benzo[b]fluoranthene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo(j,k)fluoranthene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo[a]pyrene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
Indeno[1,2,3-cd]pyrene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
Dibenz[a,h]anthracene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo[g,h,i]perylene	ND	0.0075	EPA 8270E/SIM	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>68</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>73</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>64</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>71</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>79</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>71</i>	<i>41 - 115</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-17-35					
Laboratory ID:	05-023-02					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Pyridine	ND	0.37	EPA 8270E	5-6-21	5-6-21	
Phenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Aniline	ND	0.18	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Chlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Benzyl alcohol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	5-6-21	5-6-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Hexachloroethane	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Nitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Isophorone	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Nitrophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Naphthalene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Methylnaphthalene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
1-Methylnaphthalene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
Hexachlorocyclopentadiene	ND	0.055	EPA 8270E	5-6-21	5-6-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Nitroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Dimethylphthalate	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Acenaphthylene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
3-Nitroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	



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 Project: 6694-002-03 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-17-35					
Laboratory ID:	05-023-02					
2,4-Dinitrophenol	ND	0.43	EPA 8270E	5-6-21	5-6-21	
Acenaphthene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
4-Nitrophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Dibenzofuran	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
4-Nitroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Fluorene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
4,6-Dinitro-2-methylphenol	ND	0.29	EPA 8270E	5-6-21	5-6-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Phenanthrene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
Anthracene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
Carbazole	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Fluoranthene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
Pyrene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Benzo[a]anthracene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
Chrysene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Benzo[b]fluoranthene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo(j,k)fluoranthene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo[a]pyrene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
Indeno[1,2,3-cd]pyrene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
Dibenz[a,h]anthracene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo[g,h,i]perylene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>52</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>56</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>48</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>56</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>70</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>69</i>	<i>41 - 115</i>				



Date of Report: May 7, 2021
 Samples Submitted: May 4, 2021
 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-18-35					
Laboratory ID:	05-023-03					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Pyridine	ND	0.37	EPA 8270E	5-6-21	5-6-21	
Phenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Aniline	ND	0.18	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Chlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Benzyl alcohol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	5-6-21	5-6-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Hexachloroethane	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Nitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Isophorone	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Nitrophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Naphthalene	0.028	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Methylnaphthalene	0.0095	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
1-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
Hexachlorocyclopentadiene	ND	0.055	EPA 8270E	5-6-21	5-6-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Nitroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Dimethylphthalate	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Acenaphthylene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
3-Nitroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	



Date of Report: May 7, 2021
 Samples Submitted: May 4, 2021
 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-18-35					
Laboratory ID:	05-023-03					
2,4-Dinitrophenol	ND	0.43	EPA 8270E	5-6-21	5-6-21	
Acenaphthene	0.0076	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
4-Nitrophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Dibenzofuran	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
4-Nitroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Fluorene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
4,6-Dinitro-2-methylphenol	ND	0.29	EPA 8270E	5-6-21	5-6-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Phenanthrene	0.017	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
Anthracene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
Carbazole	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Fluoranthene	0.0096	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
Pyrene	0.011	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Benzo[a]anthracene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
Chrysene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Benzo[b]fluoranthene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo(j,k)fluoranthene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo[a]pyrene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
Indeno[1,2,3-cd]pyrene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
Dibenz[a,h]anthracene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo[g,h,i]perylene	ND	0.0074	EPA 8270E/SIM	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	63	26 - 109				
Phenol-d6	66	33 - 113				
Nitrobenzene-d5	59	31 - 110				
2-Fluorobiphenyl	71	42 - 107				
2,4,6-Tribromophenol	76	42 - 123				
Terphenyl-d14	72	41 - 115				



Date of Report: May 7, 2021
 Samples Submitted: May 4, 2021
 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-19-1					
Laboratory ID:	05-023-04					
n-Nitrosodimethylamine	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Pyridine	ND	0.36	EPA 8270E	5-6-21	5-6-21	
Phenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Aniline	ND	0.18	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethyl)ether	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Chlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Benzyl alcohol	0.042	0.036	EPA 8270E	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Methylphenol (o-Cresol)	ND	0.036	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroisopropyl)ether	ND	0.036	EPA 8270E	5-6-21	5-6-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.036	EPA 8270E	5-6-21	5-6-21	
n-Nitroso-di-n-propylamine	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Hexachloroethane	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Nitrobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Isophorone	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Nitrophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,4-Dimethylphenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethoxy)methane	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,4-Dichlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Naphthalene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
4-Chloro-3-methylphenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
1-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Hexachlorocyclopentadiene	ND	0.054	EPA 8270E	5-6-21	5-6-21	
2,4,6-Trichlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,3-Dichloroaniline	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,4,5-Trichlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Chloronaphthalene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Nitroaniline	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,4-Dinitrobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Dimethylphthalate	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,3-Dinitrobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,6-Dinitrotoluene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,2-Dinitrobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Acenaphthylene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
3-Nitroaniline	ND	0.036	EPA 8270E	5-6-21	5-6-21	



Date of Report: May 7, 2021
 Samples Submitted: May 4, 2021
 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-19-1					
Laboratory ID:	05-023-04					
2,4-Dinitrophenol	ND	0.42	EPA 8270E	5-6-21	5-6-21	
Acenaphthene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
4-Nitrophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,4-Dinitrotoluene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Dibenzofuran	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,3,5,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,3,4,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
4-Chlorophenyl-phenylether	ND	0.036	EPA 8270E	5-6-21	5-6-21	
4-Nitroaniline	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Fluorene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
4,6-Dinitro-2-methylphenol	ND	0.29	EPA 8270E	5-6-21	5-6-21	
n-Nitrosodiphenylamine	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,2-Diphenylhydrazine	ND	0.036	EPA 8270E	5-6-21	5-6-21	
4-Bromophenyl-phenylether	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Hexachlorobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Phenanthrene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Anthracene	0.015	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Carbazole	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Fluoranthene	0.017	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Pyrene	0.023	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
bis(2-Ethylhexyl)adipate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Benzo[a]anthracene	0.030	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Chrysene	0.034	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Benzo[b]fluoranthene	0.083	0.036	EPA 8270E	5-6-21	5-6-21	
Benzo(j,k)fluoranthene	0.023	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo[a]pyrene	0.044	0.036	EPA 8270E	5-6-21	5-6-21	
Indeno[1,2,3-cd]pyrene	0.032	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Dibenz[a,h]anthracene	0.0077	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo[g,h,i]perylene	0.027	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	71	26 - 109				
Phenol-d6	77	33 - 113				
Nitrobenzene-d5	67	31 - 110				
2-Fluorobiphenyl	75	42 - 107				
2,4,6-Tribromophenol	87	42 - 123				
Terphenyl-d14	75	41 - 115				



Date of Report: May 7, 2021
 Samples Submitted: May 4, 2021
 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-16-15					
Laboratory ID:	05-023-01					
Aroclor 1016	ND	0.057	EPA 8082A	5-5-21	5-5-21	
Aroclor 1221	ND	0.057	EPA 8082A	5-5-21	5-5-21	
Aroclor 1232	ND	0.057	EPA 8082A	5-5-21	5-5-21	
Aroclor 1242	ND	0.057	EPA 8082A	5-5-21	5-5-21	
Aroclor 1248	ND	0.057	EPA 8082A	5-5-21	5-5-21	
Aroclor 1254	ND	0.057	EPA 8082A	5-5-21	5-5-21	
Aroclor 1260	ND	0.057	EPA 8082A	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	82	54-135				
Client ID:	IAEX-17-35					
Laboratory ID:	05-023-02					
Aroclor 1016	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1221	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1232	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1242	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1248	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1254	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1260	ND	0.055	EPA 8082A	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	83	54-135				
Client ID:	IAEX-18-35					
Laboratory ID:	05-023-03					
Aroclor 1016	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1221	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1232	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1242	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1248	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1254	ND	0.055	EPA 8082A	5-5-21	5-5-21	
Aroclor 1260	ND	0.055	EPA 8082A	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	86	54-135				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-19-1					
Laboratory ID:	05-023-04					
Aroclor 1016	ND	0.054	EPA 8082A	5-5-21	5-5-21	
Aroclor 1221	ND	0.054	EPA 8082A	5-5-21	5-5-21	
Aroclor 1232	ND	0.054	EPA 8082A	5-5-21	5-5-21	
Aroclor 1242	ND	0.054	EPA 8082A	5-5-21	5-5-21	
Aroclor 1248	ND	0.054	EPA 8082A	5-5-21	5-5-21	
Aroclor 1254	ND	0.054	EPA 8082A	5-5-21	5-5-21	
Aroclor 1260	ND	0.054	EPA 8082A	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	82	54-135				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-16-15					
Laboratory ID:	05-023-01					
alpha-BHC	ND	5.7	EPA 8081B	5-5-21	5-5-21	
gamma-BHC (Lindane)	ND	5.7	EPA 8081B	5-5-21	5-5-21	
beta-BHC	ND	5.7	EPA 8081B	5-5-21	5-5-21	
delta-BHC	ND	5.7	EPA 8081B	5-5-21	5-5-21	
Heptachlor	ND	5.7	EPA 8081B	5-5-21	5-5-21	
Aldrin	ND	5.7	EPA 8081B	5-5-21	5-5-21	
Heptachlor Epoxide	ND	5.7	EPA 8081B	5-5-21	5-5-21	
gamma-Chlordane	ND	5.7	EPA 8081B	5-5-21	5-5-21	
alpha-Chlordane	ND	11	EPA 8081B	5-5-21	5-5-21	
4,4'-DDE	ND	11	EPA 8081B	5-5-21	5-5-21	
Endosulfan I	ND	5.7	EPA 8081B	5-5-21	5-5-21	
Dieldrin	ND	11	EPA 8081B	5-5-21	5-5-21	
Endrin	ND	5.7	EPA 8081B	5-5-21	5-5-21	
4,4'-DDD	ND	11	EPA 8081B	5-5-21	5-5-21	
Endosulfan II	ND	11	EPA 8081B	5-5-21	5-5-21	
4,4'-DDT	ND	11	EPA 8081B	5-5-21	5-5-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-5-21	5-5-21	
Methoxychlor	ND	11	EPA 8081B	5-5-21	5-5-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-5-21	5-5-21	
Endrin Ketone	ND	11	EPA 8081B	5-5-21	5-5-21	
Toxaphene	ND	57	EPA 8081B	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	73	30-110				
DCB	92	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-17-35					
Laboratory ID:	05-023-02					
alpha-BHC	ND	5.5	EPA 8081B	5-5-21	5-5-21	
gamma-BHC (Lindane)	ND	5.5	EPA 8081B	5-5-21	5-5-21	
beta-BHC	ND	5.5	EPA 8081B	5-5-21	5-5-21	
delta-BHC	ND	5.5	EPA 8081B	5-5-21	5-5-21	
Heptachlor	ND	5.5	EPA 8081B	5-5-21	5-5-21	
Aldrin	ND	5.5	EPA 8081B	5-5-21	5-5-21	
Heptachlor Epoxide	ND	5.5	EPA 8081B	5-5-21	5-5-21	
gamma-Chlordane	ND	5.5	EPA 8081B	5-5-21	5-5-21	
alpha-Chlordane	ND	11	EPA 8081B	5-5-21	5-5-21	
4,4'-DDE	ND	11	EPA 8081B	5-5-21	5-5-21	
Endosulfan I	ND	5.5	EPA 8081B	5-5-21	5-5-21	
Dieldrin	ND	11	EPA 8081B	5-5-21	5-5-21	
Endrin	ND	5.5	EPA 8081B	5-5-21	5-5-21	
4,4'-DDD	ND	11	EPA 8081B	5-5-21	5-5-21	
Endosulfan II	ND	11	EPA 8081B	5-5-21	5-5-21	
4,4'-DDT	ND	11	EPA 8081B	5-5-21	5-5-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-5-21	5-5-21	
Methoxychlor	ND	11	EPA 8081B	5-5-21	5-5-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-5-21	5-5-21	
Endrin Ketone	ND	11	EPA 8081B	5-5-21	5-5-21	
Toxaphene	ND	55	EPA 8081B	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	78	30-110				
DCB	91	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-18-35					
Laboratory ID:	05-023-03					
alpha-BHC	ND	5.5	EPA 8081B	5-5-21	5-5-21	
gamma-BHC (Lindane)	ND	5.5	EPA 8081B	5-5-21	5-5-21	
beta-BHC	ND	5.5	EPA 8081B	5-5-21	5-5-21	
delta-BHC	ND	5.5	EPA 8081B	5-5-21	5-5-21	
Heptachlor	ND	5.5	EPA 8081B	5-5-21	5-5-21	
Aldrin	ND	5.5	EPA 8081B	5-5-21	5-5-21	
Heptachlor Epoxide	ND	5.5	EPA 8081B	5-5-21	5-5-21	
gamma-Chlordane	ND	5.5	EPA 8081B	5-5-21	5-5-21	
alpha-Chlordane	ND	11	EPA 8081B	5-5-21	5-5-21	
4,4'-DDE	ND	11	EPA 8081B	5-5-21	5-5-21	
Endosulfan I	ND	5.5	EPA 8081B	5-5-21	5-5-21	
Dieldrin	ND	11	EPA 8081B	5-5-21	5-5-21	
Endrin	ND	5.5	EPA 8081B	5-5-21	5-5-21	
4,4'-DDD	ND	11	EPA 8081B	5-5-21	5-5-21	
Endosulfan II	ND	11	EPA 8081B	5-5-21	5-5-21	
4,4'-DDT	ND	11	EPA 8081B	5-5-21	5-5-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-5-21	5-5-21	
Methoxychlor	ND	11	EPA 8081B	5-5-21	5-5-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-5-21	5-5-21	
Endrin Ketone	ND	11	EPA 8081B	5-5-21	5-5-21	
Toxaphene	ND	55	EPA 8081B	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	79	30-110				
DCB	91	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-19-1					
Laboratory ID:	05-023-04					
alpha-BHC	ND	5.4	EPA 8081B	5-5-21	5-6-21	
gamma-BHC (Lindane)	ND	5.4	EPA 8081B	5-5-21	5-6-21	
beta-BHC	ND	5.4	EPA 8081B	5-5-21	5-6-21	
delta-BHC	ND	5.4	EPA 8081B	5-5-21	5-6-21	
Heptachlor	ND	5.4	EPA 8081B	5-5-21	5-6-21	
Aldrin	ND	5.4	EPA 8081B	5-5-21	5-6-21	
Heptachlor Epoxide	ND	5.4	EPA 8081B	5-5-21	5-6-21	
gamma-Chlordane	ND	5.4	EPA 8081B	5-5-21	5-6-21	
alpha-Chlordane	ND	11	EPA 8081B	5-5-21	5-6-21	
4,4'-DDE	ND	11	EPA 8081B	5-5-21	5-6-21	
Endosulfan I	ND	5.4	EPA 8081B	5-5-21	5-6-21	
Dieldrin	ND	11	EPA 8081B	5-5-21	5-6-21	
Endrin	ND	5.4	EPA 8081B	5-5-21	5-6-21	
4,4'-DDD	ND	11	EPA 8081B	5-5-21	5-6-21	
Endosulfan II	ND	11	EPA 8081B	5-5-21	5-6-21	
4,4'-DDT	ND	11	EPA 8081B	5-5-21	5-6-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-5-21	5-6-21	
Methoxychlor	ND	11	EPA 8081B	5-5-21	5-6-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-5-21	5-6-21	
Endrin Ketone	ND	11	EPA 8081B	5-5-21	5-6-21	
Toxaphene	ND	54	EPA 8081B	5-5-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	70	30-110				
DCB	58	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-16-15					
Laboratory ID:	05-023-01					
Dalapon	ND	100	EPA 8151A	5-6-21	5-7-21	
Dicamba	ND	11	EPA 8151A	5-6-21	5-7-21	
MCPD	ND	1100	EPA 8151A	5-6-21	5-7-21	
MCPA	ND	2600	EPA 8151A	5-6-21	5-7-21	
Dichlorprop	ND	80	EPA 8151A	5-6-21	5-7-21	
2,4-D	ND	11	EPA 8151A	5-6-21	5-7-21	
Pentachlorophenol	ND	5.4	EPA 8151A	5-6-21	5-7-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-6-21	5-7-21	
2,4,5-T	ND	11	EPA 8151A	5-6-21	5-7-21	
2,4-DB	ND	11	EPA 8151A	5-6-21	5-7-21	
Dinoseb	ND	11	EPA 8151A	5-6-21	5-7-21	

Surrogate: *Percent Recovery* *Control Limits*
 DCAA 55 27-134

Client ID:	IAEX-17-35					
Laboratory ID:	05-023-02					
Dalapon	ND	100	EPA 8151A	5-6-21	5-7-21	
Dicamba	ND	10	EPA 8151A	5-6-21	5-7-21	
MCPD	ND	1000	EPA 8151A	5-6-21	5-7-21	
MCPA	ND	2600	EPA 8151A	5-6-21	5-7-21	
Dichlorprop	ND	78	EPA 8151A	5-6-21	5-7-21	
2,4-D	ND	10	EPA 8151A	5-6-21	5-7-21	
Pentachlorophenol	ND	5.2	EPA 8151A	5-6-21	5-7-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-6-21	5-7-21	
2,4,5-T	ND	10	EPA 8151A	5-6-21	5-7-21	
2,4-DB	ND	10	EPA 8151A	5-6-21	5-7-21	
Dinoseb	ND	10	EPA 8151A	5-6-21	5-7-21	

Surrogate: *Percent Recovery* *Control Limits*
 DCAA 57 27-134



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-18-35					
Laboratory ID:	05-023-03					
Dalapon	ND	100	EPA 8151A	5-6-21	5-7-21	
Dicamba	ND	10	EPA 8151A	5-6-21	5-7-21	
MCPD	ND	1000	EPA 8151A	5-6-21	5-7-21	
MCPA	ND	2600	EPA 8151A	5-6-21	5-7-21	
Dichlorprop	ND	78	EPA 8151A	5-6-21	5-7-21	
2,4-D	ND	10	EPA 8151A	5-6-21	5-7-21	
Pentachlorophenol	ND	5.2	EPA 8151A	5-6-21	5-7-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-6-21	5-7-21	
2,4,5-T	ND	10	EPA 8151A	5-6-21	5-7-21	
2,4-DB	ND	10	EPA 8151A	5-6-21	5-7-21	
Dinoseb	ND	10	EPA 8151A	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	48	27-134				
Client ID:	IAEX-19-1					
Laboratory ID:	05-023-04					
Dalapon	ND	100	EPA 8151A	5-6-21	5-7-21	
Dicamba	ND	10	EPA 8151A	5-6-21	5-7-21	
MCPD	ND	1000	EPA 8151A	5-6-21	5-7-21	
MCPA	ND	2500	EPA 8151A	5-6-21	5-7-21	
Dichlorprop	ND	77	EPA 8151A	5-6-21	5-7-21	
2,4-D	ND	10	EPA 8151A	5-6-21	5-7-21	
Pentachlorophenol	ND	5.2	EPA 8151A	5-6-21	5-7-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-6-21	5-7-21	
2,4,5-T	ND	10	EPA 8151A	5-6-21	5-7-21	
2,4-DB	ND	10	EPA 8151A	5-6-21	5-7-21	
Dinoseb	ND	10	EPA 8151A	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	81	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-16-15					
Laboratory ID:	05-023-01					
Arsenic	ND	11	EPA 6010D	5-6-21	5-6-21	
Cadmium	ND	0.57	EPA 6010D	5-6-21	5-6-21	
Chromium	24	0.57	EPA 6010D	5-6-21	5-6-21	
Copper	10	1.1	EPA 6010D	5-6-21	5-6-21	
Lead	ND	5.7	EPA 6010D	5-6-21	5-6-21	
Mercury	ND	0.023	EPA 7471B	5-7-21	5-7-21	
Nickel	45	2.8	EPA 6010D	5-6-21	5-6-21	
Selenium	ND	0.57	EPA 6020B	5-7-21	5-7-21	
Zinc	26	2.8	EPA 6010D	5-6-21	5-6-21	

Client ID:	IAEX-17-35					
Laboratory ID:	05-023-02					
Arsenic	ND	11	EPA 6010D	5-6-21	5-6-21	
Cadmium	ND	0.55	EPA 6010D	5-6-21	5-6-21	
Chromium	27	0.55	EPA 6010D	5-6-21	5-6-21	
Copper	15	1.1	EPA 6010D	5-6-21	5-6-21	
Lead	ND	5.5	EPA 6010D	5-6-21	5-6-21	
Mercury	0.047	0.022	EPA 7471B	5-7-21	5-7-21	
Nickel	60	2.8	EPA 6010D	5-6-21	5-6-21	
Selenium	ND	0.55	EPA 6020B	5-7-21	5-7-21	
Zinc	30	2.8	EPA 6010D	5-6-21	5-6-21	

Client ID:	IAEX-18-35					
Laboratory ID:	05-023-03					
Arsenic	ND	11	EPA 6010D	5-6-21	5-6-21	
Cadmium	ND	0.55	EPA 6010D	5-6-21	5-6-21	
Chromium	26	0.55	EPA 6010D	5-6-21	5-6-21	
Copper	12	1.1	EPA 6010D	5-6-21	5-6-21	
Lead	11	5.5	EPA 6010D	5-6-21	5-6-21	
Mercury	0.032	0.022	EPA 7471B	5-7-21	5-7-21	
Nickel	48	2.8	EPA 6010D	5-6-21	5-6-21	
Selenium	ND	0.55	EPA 6020B	5-7-21	5-7-21	
Zinc	33	2.8	EPA 6010D	5-6-21	5-6-21	



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-19-1					
Laboratory ID:	05-023-04					
Arsenic	ND	11	EPA 6010D	5-6-21	5-6-21	
Cadmium	ND	0.54	EPA 6010D	5-6-21	5-6-21	
Chromium	20	0.54	EPA 6010D	5-6-21	5-6-21	
Copper	8.7	1.1	EPA 6010D	5-6-21	5-6-21	
Lead	ND	5.4	EPA 6010D	5-6-21	5-6-21	
Mercury	ND	0.022	EPA 7471B	5-7-21	5-7-21	
Nickel	38	2.7	EPA 6010D	5-6-21	5-6-21	
Selenium	ND	0.54	EPA 6020B	5-7-21	5-7-21	
Zinc	25	2.7	EPA 6010D	5-6-21	5-6-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0505S1					
Gasoline	ND	5.0	NWTPH-Gx	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-023-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				91	88	66-129		



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0505S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-5-21	5-5-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-5-21	5-5-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-023-01							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	X1
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				104	86	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0505S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Chloromethane	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Bromomethane	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
Chloroethane	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Acetone	ND	0.014	EPA 8260D	5-5-21	5-5-21	
Iodomethane	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
2-Butanone	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Chloroform	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Benzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
Toluene	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	



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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0505S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-5-21	5-5-21	
o-Xylene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Styrene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Bromoform	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
Naphthalene	ND	0.0050	EPA 8260D	5-5-21	5-5-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>112</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0505S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0486	0.0485	0.0500	0.0500	97	97	71-131	0	19	
Benzene	0.0558	0.0556	0.0500	0.0500	112	111	73-124	0	18	
Trichloroethene	0.0568	0.0582	0.0500	0.0500	114	116	79-130	2	18	
Toluene	0.0501	0.0511	0.0500	0.0500	100	102	76-123	2	18	
Chlorobenzene	0.0501	0.0507	0.0500	0.0500	100	101	78-122	1	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					102	102	74-131			
<i>Toluene-d8</i>					95	96	78-128			
<i>4-Bromofluorobenzene</i>					103	105	71-130			



Date of Report: May 7, 2021
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 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Pyridine	ND	0.33	EPA 8270E	5-6-21	5-6-21	
Phenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Aniline	ND	0.17	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-6-21	5-6-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-6-21	5-6-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Isophorone	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Hexachlorocyclopentadiene	ND	0.050	EPA 8270E	5-6-21	5-6-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-6-21	5-6-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S1					
2,4-Dinitrophenol	ND	0.39	EPA 8270E	5-6-21	5-6-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
4-Nitrophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Dibenzofuran	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-6-21	5-6-21	
4-Nitroaniline	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
4,6-Dinitro-2-methylphenol	ND	0.26	EPA 8270E	5-6-21	5-6-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-6-21	5-6-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Carbazole	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	83	26 - 109				
Phenol-d6	87	33 - 113				
Nitrobenzene-d5	73	31 - 110				
2-Fluorobiphenyl	81	42 - 107				
2,4,6-Tribromophenol	83	42 - 123				
Terphenyl-d14	81	41 - 115				



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 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits		Limit		
MATRIX SPIKES											
Laboratory ID:	05-023-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.711	0.743	1.33	1.33	ND	53	56	33 - 105	4		36
2-Chlorophenol	0.717	0.724	1.33	1.33	ND	54	54	36 - 105	1		38
1,4-Dichlorobenzene	0.339	0.346	0.667	0.667	ND	51	52	27 - 106	2		40
n-Nitroso-di-n-propylamine	0.327	0.342	0.667	0.667	ND	49	51	28 - 111	4		35
1,2,4-Trichlorobenzene	0.364	0.365	0.667	0.667	ND	55	55	37 - 104	0		41
4-Chloro-3-methylphenol	0.818	0.954	1.33	1.33	ND	62	72	42 - 113	15		25
Acenaphthene	0.350	0.400	0.667	0.667	ND	52	60	36 - 104	13		23
4-Nitrophenol	0.896	1.10	1.33	1.33	ND	67	83	22 - 135	20		24
2,4-Dinitrotoluene	0.410	0.493	0.667	0.667	ND	61	74	25 - 114	18		26
Pentachlorophenol	0.876	1.10	1.33	1.33	ND	66	83	28 - 135	23		28
Pyrene	0.431	0.505	0.667	0.667	ND	65	76	29 - 127	16		20
<i>Surrogate:</i>											
2-Fluorophenol						52	53	26 - 109			
Phenol-d6						56	60	33 - 113			
Nitrobenzene-d5						47	49	31 - 110			
2-Fluorobiphenyl						56	63	42 - 107			
2,4,6-Tribromophenol						69	83	42 - 123			
Terphenyl-d14						62	71	41 - 115			



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 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0505S1					
Aroclor 1016	ND	0.050	EPA 8082A	5-5-21	5-5-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-5-21	5-5-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-5-21	5-5-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-5-21	5-5-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-5-21	5-5-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-5-21	5-5-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-5-21	5-5-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	89		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-023-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.459	0.482	0.500	0.500	ND	92	96	62-129	5	15	
Surrogate:											
DCB						83	89	54-135			



Date of Report: May 7, 2021
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 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0505S1					
alpha-BHC	ND	5.0	EPA 8081B	5-5-21	5-5-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-5-21	5-5-21	
beta-BHC	ND	5.0	EPA 8081B	5-5-21	5-5-21	
delta-BHC	ND	5.0	EPA 8081B	5-5-21	5-5-21	
Heptachlor	ND	5.0	EPA 8081B	5-5-21	5-5-21	
Aldrin	ND	5.0	EPA 8081B	5-5-21	5-5-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-5-21	5-5-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-5-21	5-5-21	
alpha-Chlordane	ND	10	EPA 8081B	5-5-21	5-5-21	
4,4'-DDE	ND	10	EPA 8081B	5-5-21	5-5-21	
Endosulfan I	ND	5.0	EPA 8081B	5-5-21	5-5-21	
Dieldrin	ND	10	EPA 8081B	5-5-21	5-5-21	
Endrin	ND	5.0	EPA 8081B	5-5-21	5-5-21	
4,4'-DDD	ND	10	EPA 8081B	5-5-21	5-5-21	
Endosulfan II	ND	10	EPA 8081B	5-5-21	5-5-21	
4,4'-DDT	ND	10	EPA 8081B	5-5-21	5-5-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-5-21	5-5-21	
Methoxychlor	ND	10	EPA 8081B	5-5-21	5-5-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-5-21	5-5-21	
Endrin Ketone	ND	10	EPA 8081B	5-5-21	5-5-21	
Toxaphene	ND	50	EPA 8081B	5-5-21	5-5-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>77</i>	<i>30-110</i>				
<i>DCB</i>	<i>95</i>	<i>40-117</i>				



Date of Report: May 7, 2021
 Samples Submitted: May 4, 2021
 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	Limit			
MATRIX SPIKES											
Laboratory ID:	05-023-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	92.8	95.4	100	100	ND	93	95	36-123	3	21	
gamma-BHC (Lindane)	92.4	97.5	100	100	ND	92	97	38-121	5	21	
beta-BHC	86.4	90.3	100	100	ND	86	90	31-125	4	21	
delta-BHC	94.6	98.7	100	100	ND	95	99	37-118	4	23	
Heptachlor	89.2	93.3	100	100	ND	89	93	37-123	4	24	
Aldrin	93.0	97.9	100	100	ND	93	98	45-118	5	22	
Heptachlor Epoxide	90.4	94.1	100	100	ND	90	94	46-114	4	22	
gamma-Chlordane	88.6	92.3	100	100	ND	89	92	41-120	4	23	
alpha-Chlordane	87.1	91.1	100	100	ND	87	91	43-118	4	23	
4,4'-DDE	101	106	100	100	ND	101	106	34-139	5	22	
Endosulfan I	92.2	96.7	100	100	ND	92	97	43-124	5	25	
Dieldrin	98.1	103	100	100	ND	98	103	40-128	5	23	
Endrin	100	105	100	100	ND	100	105	44-120	5	28	
4,4'-DDD	108	114	100	100	ND	108	114	42-131	5	21	
Endosulfan II	98.1	102	100	100	ND	98	102	47-112	4	22	
4,4'-DDT	100	103	100	100	ND	100	103	29-141	3	32	
Endrin Aldehyde	94.6	98.3	100	100	ND	95	98	41-114	4	22	
Methoxychlor	110	112	100	100	ND	110	112	31-139	2	23	
Endosulfan Sulfate	94.8	98.4	100	100	ND	95	98	48-112	4	21	
Endrin Ketone	104	105	100	100	ND	104	105	46-117	1	22	
Surrogate:											
TCMX						74	76	30-110			
DCB						90	92	40-117			



Date of Report: May 7, 2021
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 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S1					
Dalapon	ND	92	EPA 8151A	5-6-21	5-7-21	
Dicamba	ND	9.4	EPA 8151A	5-6-21	5-7-21	
MCPPE	ND	940	EPA 8151A	5-6-21	5-7-21	
MCPA	ND	2300	EPA 8151A	5-6-21	5-7-21	
Dichlorprop	ND	71	EPA 8151A	5-6-21	5-7-21	
2,4-D	ND	9.4	EPA 8151A	5-6-21	5-7-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-6-21	5-7-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-6-21	5-7-21	
2,4,5-T	ND	9.5	EPA 8151A	5-6-21	5-7-21	
2,4-DB	ND	9.5	EPA 8151A	5-6-21	5-7-21	
Dinoseb	ND	9.5	EPA 8151A	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	54	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0506S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	407	518	1250	1250	N/A	33	41	10-68 24 38
Dicamba	182	197	250	250	N/A	73	79	52-101 8 18
MCPPE	16300	16700	25000	25000	N/A	65	67	63-105 2 21
MCPA	14300	15000	25000	25000	N/A	57	60	45-107 5 21
Dichlorprop	188	197	250	250	N/A	75	79	54-106 5 18
2,4-D	173	180	250	250	N/A	69	72	33-95 4 25
Pentachlorophenol	21.5	23.6	25.0	25.0	N/A	86	94	48-125 9 20
2,4,5-TP (Silvex)	214	218	250	250	N/A	86	87	62-115 2 17
2,4,5-T	214	228	250	250	N/A	86	91	48-108 6 21
2,4-DB	197	197	250	250	N/A	79	79	45-114 0 23
Dinoseb	147	133	250	250	N/A	59	53	51-124 10 27
<i>Surrogate:</i>								
DCAA						110	92	27-134



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 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

TOTAL METALS
EPA 6010D/6020B/7471B
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506SM1					
Arsenic	ND	10	EPA 6010D	5-6-21	5-6-21	
Cadmium	ND	0.50	EPA 6010D	5-6-21	5-6-21	
Chromium	ND	0.50	EPA 6010D	5-6-21	5-6-21	
Copper	ND	1.0	EPA 6010D	5-6-21	5-6-21	
Lead	ND	5.0	EPA 6010D	5-6-21	5-6-21	
Nickel	ND	2.5	EPA 6010D	5-6-21	5-6-21	
Zinc	ND	2.5	EPA 6010D	5-6-21	5-6-21	
Laboratory ID:	MB0507SM1					
Selenium	ND	0.50	EPA 6020B	5-7-21	5-7-21	
Laboratory ID:	MB0507S1					
Mercury	ND	0.020	EPA 7471B	5-7-21	5-7-21	



Date of Report: May 7, 2021
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 Laboratory Reference: 2105-023
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD	Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	
DUPLICATE									
Laboratory ID:	05-034-01								
	ORIG	DUP							
Arsenic	ND	ND	NA	NA		NA	NA	NA	20
Cadmium	ND	ND	NA	NA		NA	NA	NA	20
Chromium	23.5	24.6	NA	NA		NA	NA	4	20
Copper	6.05	6.40	NA	NA		NA	NA	6	20
Lead	ND	ND	NA	NA		NA	NA	NA	20
Nickel	33.5	40.6	NA	NA		NA	NA	19	20
Zinc	37.5	43.2	NA	NA		NA	NA	14	20

Laboratory ID:	05-034-01								
Selenium	ND	ND	NA	NA		NA	NA	NA	20

Laboratory ID:	05-023-01								
Mercury	ND	ND	NA	NA		NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	05-034-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	94.7	90.4	100	100	ND	95	90	75-125	5	20
Cadmium	46.4	44.4	50.0	50.0	ND	93	89	75-125	4	20
Chromium	120	115	100	100	23.5	96	92	75-125	4	20
Copper	56.1	53.8	50.0	50.0	6.05	100	96	75-125	4	20
Lead	249	239	250	250	ND	100	96	75-125	4	20
Nickel	133	130	100	100	33.5	100	96	75-125	3	20
Zinc	138	134	100	100	37.5	100	97	75-125	2	20

Laboratory ID:	05-034-01									
Selenium	81.3	84.3	100	100	ND	81	84	75-125	4	20

Laboratory ID:	05-023-01									
Mercury	0.562	0.562	0.500	0.500	0.0136	110	110	80-120	0	20



Date of Report: May 7, 2021
Samples Submitted: May 4, 2021
Laboratory Reference: 2105-023
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-16-15	05-023-01	12	5-5-21
IAEX-17-35	05-023-02	9	5-5-21
IAEX-18-35	05-023-03	9	5-5-21
IAEX-19-1	05-023-04	8	5-5-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 10, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-034

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 5, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



Date of Report: May 10, 2021
Samples Submitted: May 5, 2021
Laboratory Reference: 2105-034
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 5, 2021 and received by the laboratory on May 5, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 10, 2021
Samples Submitted: May 5, 2021
Laboratory Reference: 2105-034
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-20-11	05-034-01	Soil	5-5-21	5-5-21	
IAEX-21-6	05-034-02	Soil	5-5-21	5-5-21	
IAEX-22-8	05-034-03	Soil	5-5-21	5-5-21	
IAEX-23-3	05-034-04	Soil	5-5-21	5-5-21	
IAEX-24-35	05-034-05	Soil	5-5-21	5-5-21	



Date of Report: May 10, 2021
 Samples Submitted: May 5, 2021
 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-21-6					
Laboratory ID:	05-034-02					
Gasoline	ND	5.9	NWTPH-Gx	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	102	66-129				
Client ID:	IAEX-23-3					
Laboratory ID:	05-034-04					
Gasoline	ND	5.7	NWTPH-Gx	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-129				
Client ID:	IAEX-24-35					
Laboratory ID:	05-034-05					
Gasoline	ND	6.2	NWTPH-Gx	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-129				



Date of Report: May 10, 2021
 Samples Submitted: May 5, 2021
 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-21-6					
Laboratory ID:	05-034-02					
Diesel Range Organics	ND	27	NWTPH-Dx	5-7-21	5-7-21	X1
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-7-21	5-7-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				

Client ID:	IAEX-22-8					
Laboratory ID:	05-034-03					
Diesel Range Organics	ND	30	NWTPH-Dx	5-7-21	5-7-21	X1
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-7-21	5-7-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				

Client ID:	IAEX-23-3					
Laboratory ID:	05-034-04					
Diesel Range Organics	ND	30	NWTPH-Dx	5-7-21	5-7-21	X1
Lube Oil Range Organics	ND	60	NWTPH-Dx	5-7-21	5-7-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	88	50-150				

Client ID:	IAEX-24-35					
Laboratory ID:	05-034-05					
Diesel Range Organics	ND	27	NWTPH-Dx	5-7-21	5-7-21	X1
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-7-21	5-7-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				



Date of Report: May 10, 2021
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VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-21-6					
Laboratory ID:	05-034-02					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	5-6-21	5-6-21	
Chloromethane	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Bromomethane	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
Chloroethane	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Acetone	ND	0.011	EPA 8260D	5-6-21	5-6-21	
Iodomethane	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Methylene Chloride	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Vinyl Acetate	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
2-Butanone	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Chloroform	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Benzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Methyl Isobutyl Ketone	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
Toluene	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	



Date of Report: May 10, 2021
 Samples Submitted: May 5, 2021
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 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-21-6					
Laboratory ID:	05-034-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
2-Hexanone	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
m,p-Xylene	ND	0.0021	EPA 8260D	5-6-21	5-6-21	
o-Xylene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Styrene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Bromoform	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
Naphthalene	ND	0.0053	EPA 8260D	5-6-21	5-6-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>118</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>105</i>	<i>71-130</i>				



Date of Report: May 10, 2021
 Samples Submitted: May 5, 2021
 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-23-3					
Laboratory ID:	05-034-04					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	5-6-21	5-6-21	
Chloromethane	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Bromomethane	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
Chloroethane	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Acetone	ND	0.010	EPA 8260D	5-6-21	5-6-21	
Iodomethane	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Methylene Chloride	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Vinyl Acetate	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
2-Butanone	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Chloroform	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Benzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Methyl Isobutyl Ketone	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
Toluene	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-23-3					
Laboratory ID:	05-034-04					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
2-Hexanone	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-6-21	5-6-21	
o-Xylene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Styrene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Bromoform	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
Naphthalene	ND	0.0051	EPA 8260D	5-6-21	5-6-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-24-35					
Laboratory ID:	05-034-05					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	5-6-21	5-6-21	
Chloromethane	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Bromomethane	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
Chloroethane	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Acetone	0.014	0.011	EPA 8260D	5-6-21	5-6-21	
Iodomethane	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
Carbon Disulfide	0.0021	0.0011	EPA 8260D	5-6-21	5-6-21	
Methylene Chloride	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Vinyl Acetate	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
2-Butanone	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Chloroform	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Benzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Methyl Isobutyl Ketone	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
Toluene	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-24-35					
Laboratory ID:	05-034-05					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
2-Hexanone	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
m,p-Xylene	ND	0.0022	EPA 8260D	5-6-21	5-6-21	
o-Xylene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Styrene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Bromoform	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
1,2-Dibromo-3-chloropropane	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
Naphthalene	ND	0.0056	EPA 8260D	5-6-21	5-6-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>113</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-130</i>				



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 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-21-6					
Laboratory ID:	05-034-02					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Pyridine	ND	0.37	EPA 8270E	5-6-21	5-6-21	
Phenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Aniline	ND	0.18	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Chlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Benzyl alcohol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	5-6-21	5-6-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Hexachloroethane	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Nitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Isophorone	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Nitrophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Naphthalene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Methylnaphthalene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
1-Methylnaphthalene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
Hexachlorocyclopentadiene	ND	0.055	EPA 8270E	5-6-21	5-6-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2-Nitroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Dimethylphthalate	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Acenaphthylene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
3-Nitroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-21-6					
Laboratory ID:	05-034-02					
2,4-Dinitrophenol	ND	0.42	EPA 8270E	5-6-21	5-6-21	
Acenaphthene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
4-Nitrophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Dibenzofuran	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
4-Nitroaniline	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Fluorene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
4,6-Dinitro-2-methylphenol	ND	0.29	EPA 8270E	5-6-21	5-6-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	5-6-21	5-6-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Phenanthrene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
Anthracene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
Carbazole	ND	0.037	EPA 8270E	5-6-21	5-6-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Fluoranthene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
Pyrene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Benzo[a]anthracene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
Chrysene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Benzo[b]fluoranthene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo(j,k)fluoranthene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo[a]pyrene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
Indeno[1,2,3-cd]pyrene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
Dibenz[a,h]anthracene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo[g,h,i]perylene	ND	0.0073	EPA 8270E/SIM	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>83</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>88</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>78</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>85</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>96</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>83</i>	<i>41 - 115</i>				



Date of Report: May 10, 2021
 Samples Submitted: May 5, 2021
 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-23-3					
Laboratory ID:	05-034-04					
n-Nitrosodimethylamine	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Pyridine	ND	0.40	EPA 8270E	5-6-21	5-6-21	
Phenol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Aniline	ND	0.20	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethyl)ether	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2-Chlorophenol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Benzyl alcohol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2-Methylphenol (o-Cresol)	ND	0.040	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroisopropyl)ether	ND	0.040	EPA 8270E	5-6-21	5-6-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.040	EPA 8270E	5-6-21	5-6-21	
n-Nitroso-di-n-propylamine	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Hexachloroethane	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Nitrobenzene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Isophorone	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2-Nitrophenol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2,4-Dimethylphenol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethoxy)methane	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2,4-Dichlorophenol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Naphthalene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
4-Chloroaniline	ND	0.20	EPA 8270E	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
4-Chloro-3-methylphenol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2-Methylnaphthalene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
1-Methylnaphthalene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
Hexachlorocyclopentadiene	ND	0.060	EPA 8270E	5-6-21	5-6-21	
2,4,6-Trichlorophenol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2,3-Dichloroaniline	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2,4,5-Trichlorophenol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2-Chloronaphthalene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2-Nitroaniline	ND	0.040	EPA 8270E	5-6-21	5-6-21	
1,4-Dinitrobenzene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Dimethylphthalate	ND	0.040	EPA 8270E	5-6-21	5-6-21	
1,3-Dinitrobenzene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2,6-Dinitrotoluene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
1,2-Dinitrobenzene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Acenaphthylene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
3-Nitroaniline	ND	0.040	EPA 8270E	5-6-21	5-6-21	



Date of Report: May 10, 2021
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-23-3					
Laboratory ID:	05-034-04					
2,4-Dinitrophenol	ND	0.46	EPA 8270E	5-6-21	5-6-21	
Acenaphthene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
4-Nitrophenol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2,4-Dinitrotoluene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Dibenzofuran	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2,3,5,6-Tetrachlorophenol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
2,3,4,6-Tetrachlorophenol	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Diethylphthalate	ND	0.20	EPA 8270E	5-6-21	5-6-21	
4-Chlorophenyl-phenylether	ND	0.040	EPA 8270E	5-6-21	5-6-21	
4-Nitroaniline	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Fluorene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
4,6-Dinitro-2-methylphenol	ND	0.32	EPA 8270E	5-6-21	5-6-21	
n-Nitrosodiphenylamine	ND	0.040	EPA 8270E	5-6-21	5-6-21	
1,2-Diphenylhydrazine	ND	0.040	EPA 8270E	5-6-21	5-6-21	
4-Bromophenyl-phenylether	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Hexachlorobenzene	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Pentachlorophenol	ND	0.20	EPA 8270E	5-6-21	5-6-21	
Phenanthrene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
Anthracene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
Carbazole	ND	0.040	EPA 8270E	5-6-21	5-6-21	
Di-n-butylphthalate	ND	0.20	EPA 8270E	5-6-21	5-6-21	
Fluoranthene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
Pyrene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
Butylbenzylphthalate	ND	0.20	EPA 8270E	5-6-21	5-6-21	
bis-2-Ethylhexyladipate	ND	0.20	EPA 8270E	5-6-21	5-6-21	
3,3'-Dichlorobenzidine	ND	0.20	EPA 8270E	5-6-21	5-6-21	
Benzo[a]anthracene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
Chrysene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
bis(2-Ethylhexyl)phthalate	ND	0.20	EPA 8270E	5-6-21	5-6-21	
Di-n-octylphthalate	ND	0.20	EPA 8270E	5-6-21	5-6-21	
Benzo[b]fluoranthene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo(j,k)fluoranthene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo[a]pyrene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
Indeno[1,2,3-cd]pyrene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
Dibenz[a,h]anthracene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo[g,h,i]perylene	ND	0.0080	EPA 8270E/SIM	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>67</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>71</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>60</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>71</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>86</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>76</i>	<i>41 - 115</i>				



Date of Report: May 10, 2021
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 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-24-35					
Laboratory ID:	05-034-05					
n-Nitrosodimethylamine	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Pyridine	ND	0.36	EPA 8270E	5-6-21	5-6-21	
Phenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Aniline	ND	0.18	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethyl)ether	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Chlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Benzyl alcohol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Methylphenol (o-Cresol)	ND	0.036	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroisopropyl)ether	ND	0.036	EPA 8270E	5-6-21	5-6-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.036	EPA 8270E	5-6-21	5-6-21	
n-Nitroso-di-n-propylamine	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Hexachloroethane	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Nitrobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Isophorone	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Nitrophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,4-Dimethylphenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethoxy)methane	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,4-Dichlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Naphthalene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
4-Chloro-3-methylphenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
1-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Hexachlorocyclopentadiene	ND	0.054	EPA 8270E	5-6-21	5-6-21	
2,4,6-Trichlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,3-Dichloroaniline	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,4,5-Trichlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Chloronaphthalene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2-Nitroaniline	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,4-Dinitrobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Dimethylphthalate	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,3-Dinitrobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,6-Dinitrotoluene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,2-Dinitrobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Acenaphthylene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
3-Nitroaniline	ND	0.036	EPA 8270E	5-6-21	5-6-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-24-35					
Laboratory ID:	05-034-05					
2,4-Dinitrophenol	ND	0.42	EPA 8270E	5-6-21	5-6-21	
Acenaphthene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
4-Nitrophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,4-Dinitrotoluene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Dibenzofuran	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,3,5,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
2,3,4,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
4-Chlorophenyl-phenylether	ND	0.036	EPA 8270E	5-6-21	5-6-21	
4-Nitroaniline	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Fluorene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
4,6-Dinitro-2-methylphenol	ND	0.29	EPA 8270E	5-6-21	5-6-21	
n-Nitrosodiphenylamine	ND	0.036	EPA 8270E	5-6-21	5-6-21	
1,2-Diphenylhydrazine	ND	0.036	EPA 8270E	5-6-21	5-6-21	
4-Bromophenyl-phenylether	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Hexachlorobenzene	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Phenanthrene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Anthracene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Carbazole	ND	0.036	EPA 8270E	5-6-21	5-6-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Fluoranthene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Pyrene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Benzo[a]anthracene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Chrysene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-6-21	5-6-21	
Benzo[b]fluoranthene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo(j,k)fluoranthene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo[a]pyrene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Indeno[1,2,3-cd]pyrene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Dibenz[a,h]anthracene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
Benzo[g,h,i]perylene	ND	0.0072	EPA 8270E/SIM	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>60</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>64</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>57</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>63</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>72</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>67</i>	<i>41 - 115</i>				



Date of Report: May 10, 2021
 Samples Submitted: May 5, 2021
 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-21-6					
Laboratory ID:	05-034-02					
Aroclor 1016	ND	0.055	EPA 8082A	5-6-21	5-6-21	
Aroclor 1221	ND	0.055	EPA 8082A	5-6-21	5-6-21	
Aroclor 1232	ND	0.055	EPA 8082A	5-6-21	5-6-21	
Aroclor 1242	ND	0.055	EPA 8082A	5-6-21	5-6-21	
Aroclor 1248	ND	0.055	EPA 8082A	5-6-21	5-6-21	
Aroclor 1254	ND	0.055	EPA 8082A	5-6-21	5-6-21	
Aroclor 1260	ND	0.055	EPA 8082A	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	87	54-135				
Client ID:	IAEX-23-3					
Laboratory ID:	05-034-04					
Aroclor 1016	ND	0.060	EPA 8082A	5-6-21	5-6-21	
Aroclor 1221	ND	0.060	EPA 8082A	5-6-21	5-6-21	
Aroclor 1232	ND	0.060	EPA 8082A	5-6-21	5-6-21	
Aroclor 1242	ND	0.060	EPA 8082A	5-6-21	5-6-21	
Aroclor 1248	ND	0.060	EPA 8082A	5-6-21	5-6-21	
Aroclor 1254	ND	0.060	EPA 8082A	5-6-21	5-6-21	
Aroclor 1260	ND	0.060	EPA 8082A	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	81	54-135				
Client ID:	IAEX-24-35					
Laboratory ID:	05-034-05					
Aroclor 1016	ND	0.054	EPA 8082A	5-6-21	5-6-21	
Aroclor 1221	ND	0.054	EPA 8082A	5-6-21	5-6-21	
Aroclor 1232	ND	0.054	EPA 8082A	5-6-21	5-6-21	
Aroclor 1242	ND	0.054	EPA 8082A	5-6-21	5-6-21	
Aroclor 1248	ND	0.054	EPA 8082A	5-6-21	5-6-21	
Aroclor 1254	ND	0.054	EPA 8082A	5-6-21	5-6-21	
Aroclor 1260	ND	0.054	EPA 8082A	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	91	54-135				



Date of Report: May 10, 2021
 Samples Submitted: May 5, 2021
 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-21-6					
Laboratory ID:	05-034-02					
alpha-BHC	ND	5.5	EPA 8081B	5-6-21	5-6-21	
gamma-BHC (Lindane)	ND	5.5	EPA 8081B	5-6-21	5-6-21	
beta-BHC	ND	5.5	EPA 8081B	5-6-21	5-6-21	
delta-BHC	ND	5.5	EPA 8081B	5-6-21	5-6-21	
Heptachlor	ND	5.5	EPA 8081B	5-6-21	5-6-21	
Aldrin	ND	5.5	EPA 8081B	5-6-21	5-6-21	
Heptachlor Epoxide	ND	5.5	EPA 8081B	5-6-21	5-6-21	
gamma-Chlordane	ND	5.5	EPA 8081B	5-6-21	5-6-21	
alpha-Chlordane	ND	11	EPA 8081B	5-6-21	5-6-21	
4,4'-DDE	ND	11	EPA 8081B	5-6-21	5-6-21	
Endosulfan I	ND	5.5	EPA 8081B	5-6-21	5-6-21	
Dieldrin	ND	11	EPA 8081B	5-6-21	5-6-21	
Endrin	ND	5.5	EPA 8081B	5-6-21	5-6-21	
4,4'-DDD	ND	11	EPA 8081B	5-6-21	5-6-21	
Endosulfan II	ND	11	EPA 8081B	5-6-21	5-6-21	
4,4'-DDT	ND	11	EPA 8081B	5-6-21	5-6-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-6-21	5-6-21	
Methoxychlor	ND	11	EPA 8081B	5-6-21	5-6-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-6-21	5-6-21	
Endrin Ketone	ND	11	EPA 8081B	5-6-21	5-6-21	
Toxaphene	ND	55	EPA 8081B	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	65	30-110				
DCB	52	40-117				



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 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-22-8					
Laboratory ID:	05-034-03					
gamma-Chlordane	ND	6.0	EPA 8081B	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>73</i>	<i>30-110</i>				
<i>DCB</i>	<i>57</i>	<i>40-117</i>				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-23-3					
Laboratory ID:	05-034-04					
alpha-BHC	ND	6.0	EPA 8081B	5-6-21	5-6-21	
gamma-BHC (Lindane)	ND	6.0	EPA 8081B	5-6-21	5-6-21	
beta-BHC	ND	6.0	EPA 8081B	5-6-21	5-6-21	
delta-BHC	ND	6.0	EPA 8081B	5-6-21	5-6-21	
Heptachlor	ND	6.0	EPA 8081B	5-6-21	5-6-21	
Aldrin	ND	6.0	EPA 8081B	5-6-21	5-6-21	
Heptachlor Epoxide	ND	6.0	EPA 8081B	5-6-21	5-6-21	
gamma-Chlordane	ND	6.0	EPA 8081B	5-6-21	5-6-21	
alpha-Chlordane	ND	12	EPA 8081B	5-6-21	5-6-21	
4,4'-DDE	ND	12	EPA 8081B	5-6-21	5-6-21	
Endosulfan I	ND	6.0	EPA 8081B	5-6-21	5-6-21	
Dieldrin	ND	12	EPA 8081B	5-6-21	5-6-21	
Endrin	ND	6.0	EPA 8081B	5-6-21	5-6-21	
4,4'-DDD	ND	12	EPA 8081B	5-6-21	5-6-21	
Endosulfan II	ND	12	EPA 8081B	5-6-21	5-6-21	
4,4'-DDT	ND	12	EPA 8081B	5-6-21	5-6-21	
Endrin Aldehyde	ND	12	EPA 8081B	5-6-21	5-6-21	
Methoxychlor	ND	12	EPA 8081B	5-6-21	5-6-21	
Endosulfan Sulfate	ND	12	EPA 8081B	5-6-21	5-6-21	
Endrin Ketone	ND	12	EPA 8081B	5-6-21	5-6-21	
Toxaphene	ND	60	EPA 8081B	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	73	30-110				
DCB	55	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-24-35					
Laboratory ID:	05-034-05					
alpha-BHC	ND	5.4	EPA 8081B	5-6-21	5-6-21	
gamma-BHC (Lindane)	ND	5.4	EPA 8081B	5-6-21	5-6-21	
beta-BHC	ND	5.4	EPA 8081B	5-6-21	5-6-21	
delta-BHC	ND	5.4	EPA 8081B	5-6-21	5-6-21	
Heptachlor	ND	5.4	EPA 8081B	5-6-21	5-6-21	
Aldrin	ND	5.4	EPA 8081B	5-6-21	5-6-21	
Heptachlor Epoxide	ND	5.4	EPA 8081B	5-6-21	5-6-21	
gamma-Chlordane	ND	5.4	EPA 8081B	5-6-21	5-6-21	
alpha-Chlordane	ND	11	EPA 8081B	5-6-21	5-6-21	
4,4'-DDE	ND	11	EPA 8081B	5-6-21	5-6-21	
Endosulfan I	ND	5.4	EPA 8081B	5-6-21	5-6-21	
Dieldrin	ND	11	EPA 8081B	5-6-21	5-6-21	
Endrin	ND	5.4	EPA 8081B	5-6-21	5-6-21	
4,4'-DDD	ND	11	EPA 8081B	5-6-21	5-6-21	
Endosulfan II	ND	11	EPA 8081B	5-6-21	5-6-21	
4,4'-DDT	ND	11	EPA 8081B	5-6-21	5-6-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-6-21	5-6-21	
Methoxychlor	ND	11	EPA 8081B	5-6-21	5-6-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-6-21	5-6-21	
Endrin Ketone	ND	11	EPA 8081B	5-6-21	5-6-21	
Toxaphene	ND	54	EPA 8081B	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	70	30-110				
DCB	58	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-21-6					
Laboratory ID:	05-034-02					
Dalapon	ND	100	EPA 8151A	5-6-21	5-7-21	
Dicamba	ND	10	EPA 8151A	5-6-21	5-7-21	
MCPD	ND	1000	EPA 8151A	5-6-21	5-7-21	
MCPA	ND	2600	EPA 8151A	5-6-21	5-7-21	
Dichlorprop	ND	78	EPA 8151A	5-6-21	5-7-21	
2,4-D	ND	10	EPA 8151A	5-6-21	5-7-21	
Pentachlorophenol	ND	5.2	EPA 8151A	5-6-21	5-7-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-6-21	5-7-21	
2,4,5-T	ND	10	EPA 8151A	5-6-21	5-7-21	
2,4-DB	ND	10	EPA 8151A	5-6-21	5-7-21	
Dinoseb	ND	10	EPA 8151A	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	69	27-134				
Client ID:	IAEX-23-3					
Laboratory ID:	05-034-04					
Dalapon	ND	110	EPA 8151A	5-6-21	5-7-21	
Dicamba	ND	11	EPA 8151A	5-6-21	5-7-21	
MCPD	ND	1100	EPA 8151A	5-6-21	5-7-21	
MCPA	ND	2800	EPA 8151A	5-6-21	5-7-21	
Dichlorprop	ND	85	EPA 8151A	5-6-21	5-7-21	
2,4-D	ND	11	EPA 8151A	5-6-21	5-7-21	
Pentachlorophenol	ND	5.7	EPA 8151A	5-6-21	5-7-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-6-21	5-7-21	
2,4,5-T	ND	11	EPA 8151A	5-6-21	5-7-21	
2,4-DB	ND	11	EPA 8151A	5-6-21	5-7-21	
Dinoseb	ND	11	EPA 8151A	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	57	27-134				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-24-35					
Laboratory ID:	05-034-05					
Dalapon	ND	99	EPA 8151A	5-6-21	5-7-21	
Dicamba	ND	10	EPA 8151A	5-6-21	5-7-21	
MCPPP	ND	1000	EPA 8151A	5-6-21	5-7-21	
MCPA	ND	2500	EPA 8151A	5-6-21	5-7-21	
Dichlorprop	ND	77	EPA 8151A	5-6-21	5-7-21	
2,4-D	ND	10	EPA 8151A	5-6-21	5-7-21	
Pentachlorophenol	ND	5.1	EPA 8151A	5-6-21	5-7-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-6-21	5-7-21	
2,4,5-T	ND	10	EPA 8151A	5-6-21	5-7-21	
2,4-DB	ND	10	EPA 8151A	5-6-21	5-7-21	
Dinoseb	ND	10	EPA 8151A	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	52	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-20-11					
Laboratory ID:	05-034-01					
Zinc	42	2.8	EPA 6010D	5-6-21	5-6-21	

Client ID:	IAEX-21-6					
Laboratory ID:	05-034-02					
Arsenic	ND	11	EPA 6010D	5-6-21	5-6-21	
Cadmium	ND	0.55	EPA 6010D	5-6-21	5-6-21	
Chromium	28	0.55	EPA 6010D	5-6-21	5-6-21	
Copper	9.8	1.1	EPA 6010D	5-6-21	5-6-21	
Lead	ND	5.5	EPA 6010D	5-6-21	5-6-21	
Mercury	0.040	0.022	EPA 7471B	5-7-21	5-7-21	
Nickel	42	2.7	EPA 6010D	5-6-21	5-6-21	
Selenium	ND	0.55	EPA 6020B	5-7-21	5-7-21	
Zinc	24	2.7	EPA 6010D	5-6-21	5-6-21	

Client ID:	IAEX-23-3					
Laboratory ID:	05-034-04					
Arsenic	ND	12	EPA 6010D	5-6-21	5-6-21	
Cadmium	ND	0.60	EPA 6010D	5-6-21	5-6-21	
Chromium	25	0.60	EPA 6010D	5-6-21	5-6-21	
Copper	7.8	1.2	EPA 6010D	5-6-21	5-6-21	
Lead	ND	6.0	EPA 6010D	5-6-21	5-6-21	
Mercury	ND	0.024	EPA 7471B	5-7-21	5-7-21	
Nickel	42	3.0	EPA 6010D	5-6-21	5-6-21	
Selenium	ND	0.60	EPA 6020B	5-7-21	5-7-21	
Zinc	21	3.0	EPA 6010D	5-6-21	5-6-21	



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-24-35					
Laboratory ID:	05-034-05					
Arsenic	ND	11	EPA 6010D	5-6-21	5-6-21	
Cadmium	ND	0.54	EPA 6010D	5-6-21	5-6-21	
Chromium	22	0.54	EPA 6010D	5-6-21	5-6-21	
Copper	9.8	1.1	EPA 6010D	5-6-21	5-6-21	
Lead	ND	5.4	EPA 6010D	5-6-21	5-6-21	
Mercury	0.022	0.022	EPA 7471B	5-7-21	5-7-21	
Nickel	45	2.7	EPA 6010D	5-6-21	5-6-21	
Selenium	ND	0.54	EPA 6020B	5-7-21	5-7-21	
Zinc	31	2.7	EPA 6010D	5-6-21	5-6-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S1					
Gasoline	ND	5.0	NWTPH-Gx	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-034-04							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				98	101	66-129		



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0507S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-7-21	5-7-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-7-21	5-7-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	109	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0507S1							
	ORIG	DUP						
Diesel Fuel #2	102	92.3	NA	NA	NA	NA	10	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				106	100	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S1					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	5-6-21	5-6-21	
Chloromethane	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Bromomethane	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
Chloroethane	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Acetone	ND	0.010	EPA 8260D	5-6-21	5-6-21	
Iodomethane	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
2-Butanone	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Chloroform	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Benzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
Toluene	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-6-21	5-6-21	
o-Xylene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Styrene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Bromoform	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
Naphthalene	ND	0.0050	EPA 8260D	5-6-21	5-6-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>116</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-130</i>				



Date of Report: May 10, 2021
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 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0506S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0495	0.0484	0.0500	0.0500	99	97	71-131	2	19	
Benzene	0.0582	0.0565	0.0500	0.0500	116	113	73-124	3	18	
Trichloroethene	0.0595	0.0601	0.0500	0.0500	119	120	79-130	1	18	
Toluene	0.0519	0.0516	0.0500	0.0500	104	103	76-123	1	18	
Chlorobenzene	0.0518	0.0510	0.0500	0.0500	104	102	78-122	2	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					103	105	74-131			
<i>Toluene-d8</i>					95	94	78-128			
<i>4-Bromofluorobenzene</i>					105	105	71-130			



Date of Report: May 10, 2021
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 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Pyridine	ND	0.33	EPA 8270E	5-6-21	5-6-21	
Phenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Aniline	ND	0.17	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-6-21	5-6-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-6-21	5-6-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Isophorone	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Hexachlorocyclopentadiene	ND	0.050	EPA 8270E	5-6-21	5-6-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-6-21	5-6-21	



Date of Report: May 10, 2021
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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S1					
2,4-Dinitrophenol	ND	0.39	EPA 8270E	5-6-21	5-6-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
4-Nitrophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Dibenzofuran	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-6-21	5-6-21	
4-Nitroaniline	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
4,6-Dinitro-2-methylphenol	ND	0.26	EPA 8270E	5-6-21	5-6-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-6-21	5-6-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-6-21	5-6-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Carbazole	ND	0.033	EPA 8270E	5-6-21	5-6-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-6-21	5-6-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	83	26 - 109				
Phenol-d6	87	33 - 113				
Nitrobenzene-d5	73	31 - 110				
2-Fluorobiphenyl	81	42 - 107				
2,4,6-Tribromophenol	83	42 - 123				
Terphenyl-d14	81	41 - 115				



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 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits		RPD	Limit	
MATRIX SPIKES											
Laboratory ID:	05-023-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.711	0.743	1.33	1.33	ND	53	56	33 - 105	4	36	
2-Chlorophenol	0.717	0.724	1.33	1.33	ND	54	54	36 - 105	1	38	
1,4-Dichlorobenzene	0.339	0.346	0.667	0.667	ND	51	52	27 - 106	2	40	
n-Nitroso-di-n-propylamine	0.327	0.342	0.667	0.667	ND	49	51	28 - 111	4	35	
1,2,4-Trichlorobenzene	0.364	0.365	0.667	0.667	ND	55	55	37 - 104	0	41	
4-Chloro-3-methylphenol	0.818	0.954	1.33	1.33	ND	62	72	42 - 113	15	25	
Acenaphthene	0.350	0.400	0.667	0.667	ND	52	60	36 - 104	13	23	
4-Nitrophenol	0.896	1.10	1.33	1.33	ND	67	83	22 - 135	20	24	
2,4-Dinitrotoluene	0.410	0.493	0.667	0.667	ND	61	74	25 - 114	18	26	
Pentachlorophenol	0.876	1.10	1.33	1.33	ND	66	83	28 - 135	23	28	
Pyrene	0.431	0.505	0.667	0.667	ND	65	76	29 - 127	16	20	
<i>Surrogate:</i>											
2-Fluorophenol						52	53	26 - 109			
Phenol-d6						56	60	33 - 113			
Nitrobenzene-d5						47	49	31 - 110			
2-Fluorobiphenyl						56	63	42 - 107			
2,4,6-Tribromophenol						69	83	42 - 123			
Terphenyl-d14						62	71	41 - 115			



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**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S2					
Aroclor 1016	ND	0.050	EPA 8082A	5-6-21	5-6-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-6-21	5-6-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-6-21	5-6-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-6-21	5-6-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-6-21	5-6-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-6-21	5-6-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-6-21	5-6-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	95		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-034-02										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.472	0.484	0.500	0.500	ND	94	97	62-129	3	15	
Surrogate:											
DCB						82	87	54-135			



Date of Report: May 10, 2021
 Samples Submitted: May 5, 2021
 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S2					
alpha-BHC	ND	5.0	EPA 8081B	5-6-21	5-6-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-6-21	5-6-21	
beta-BHC	ND	5.0	EPA 8081B	5-6-21	5-6-21	
delta-BHC	ND	5.0	EPA 8081B	5-6-21	5-6-21	
Heptachlor	ND	5.0	EPA 8081B	5-6-21	5-6-21	
Aldrin	ND	5.0	EPA 8081B	5-6-21	5-6-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-6-21	5-6-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-6-21	5-6-21	
alpha-Chlordane	ND	10	EPA 8081B	5-6-21	5-6-21	
4,4'-DDE	ND	10	EPA 8081B	5-6-21	5-6-21	
Endosulfan I	ND	5.0	EPA 8081B	5-6-21	5-6-21	
Dieldrin	ND	10	EPA 8081B	5-6-21	5-6-21	
Endrin	ND	5.0	EPA 8081B	5-6-21	5-6-21	
4,4'-DDD	ND	10	EPA 8081B	5-6-21	5-6-21	
Endosulfan II	ND	10	EPA 8081B	5-6-21	5-6-21	
4,4'-DDT	ND	10	EPA 8081B	5-6-21	5-6-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-6-21	5-6-21	
Methoxychlor	ND	10	EPA 8081B	5-6-21	5-6-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-6-21	5-6-21	
Endrin Ketone	ND	10	EPA 8081B	5-6-21	5-6-21	
Toxaphene	ND	50	EPA 8081B	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>82</i>	<i>30-110</i>				
<i>DCB</i>	<i>64</i>	<i>40-117</i>				



Date of Report: May 10, 2021
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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	05-034-03										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	78.2	77.8	100	100	ND	78	78	36-123	1	21	
gamma-BHC (Lindane)	76.6	76.2	100	100	ND	77	76	38-121	1	21	
beta-BHC	71.4	70.5	100	100	ND	71	70	31-125	1	21	
delta-BHC	74.2	73.7	100	100	ND	74	74	37-118	1	23	
Heptachlor	76.5	76.0	100	100	ND	76	76	37-123	1	24	
Aldrin	74.8	75.6	100	100	ND	75	76	45-118	1	22	
Heptachlor Epoxide	72.2	71.3	100	100	ND	72	71	46-114	1	22	
gamma-Chlordane	72.6	71.0	100	100	ND	73	71	41-120	2	23	
alpha-Chlordane	72.4	71.3	100	100	ND	72	71	43-118	2	23	
4,4'-DDE	77.8	78.6	100	100	ND	78	79	34-139	1	22	
Endosulfan I	72.7	72.6	100	100	ND	73	73	43-124	0	25	
Dieldrin	73.5	71.4	100	100	ND	73	71	40-128	3	23	
Endrin	76.2	74.8	100	100	ND	76	75	44-120	2	28	
4,4'-DDD	69.8	69.9	100	100	ND	70	70	42-131	0	21	
Endosulfan II	66.9	66.2	100	100	ND	67	66	47-112	1	22	
4,4'-DDT	83.8	83.1	100	100	ND	84	83	29-141	1	32	
Endrin Aldehyde	62.8	62.4	100	100	ND	63	62	41-114	1	22	
Methoxychlor	77.5	76.3	100	100	ND	77	76	31-139	2	23	
Endosulfan Sulfate	68.0	64.9	100	100	ND	68	65	48-112	5	21	
Endrin Ketone	67.4	67.0	100	100	ND	67	67	46-117	1	22	
Surrogate:											
TCMX						67	63	30-110			
DCB						51	51	40-117			



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 Samples Submitted: May 5, 2021
 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S1					
Dalapon	ND	92	EPA 8151A	5-6-21	5-7-21	
Dicamba	ND	9.4	EPA 8151A	5-6-21	5-7-21	
MCPPE	ND	940	EPA 8151A	5-6-21	5-7-21	
MCPA	ND	2300	EPA 8151A	5-6-21	5-7-21	
Dichlorprop	ND	71	EPA 8151A	5-6-21	5-7-21	
2,4-D	ND	9.4	EPA 8151A	5-6-21	5-7-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-6-21	5-7-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-6-21	5-7-21	
2,4,5-T	ND	9.5	EPA 8151A	5-6-21	5-7-21	
2,4-DB	ND	9.5	EPA 8151A	5-6-21	5-7-21	
Dinoseb	ND	9.5	EPA 8151A	5-6-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	54	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0506S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	407	518	1250	1250	N/A	33	41	10-68 24 38
Dicamba	182	197	250	250	N/A	73	79	52-101 8 18
MCPPE	16300	16700	25000	25000	N/A	65	67	63-105 2 21
MCPA	14300	15000	25000	25000	N/A	57	60	45-107 5 21
Dichlorprop	188	197	250	250	N/A	75	79	54-106 5 18
2,4-D	173	180	250	250	N/A	69	72	33-95 4 25
Pentachlorophenol	21.5	23.6	25.0	25.0	N/A	86	94	48-125 9 20
2,4,5-TP (Silvex)	214	218	250	250	N/A	86	87	62-115 2 17
2,4,5-T	214	228	250	250	N/A	86	91	48-108 6 21
2,4-DB	197	197	250	250	N/A	79	79	45-114 0 23
Dinoseb	147	133	250	250	N/A	59	53	51-124 10 27
<i>Surrogate:</i>								
DCAA					110	92	27-134	



Date of Report: May 10, 2021
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 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

TOTAL METALS
EPA 6010D/6020B/7471B
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506SM1					
Arsenic	ND	10	EPA 6010D	5-6-21	5-6-21	
Cadmium	ND	0.50	EPA 6010D	5-6-21	5-6-21	
Chromium	ND	0.50	EPA 6010D	5-6-21	5-6-21	
Copper	ND	1.0	EPA 6010D	5-6-21	5-6-21	
Lead	ND	5.0	EPA 6010D	5-6-21	5-6-21	
Nickel	ND	2.5	EPA 6010D	5-6-21	5-6-21	
Zinc	ND	2.5	EPA 6010D	5-6-21	5-6-21	
METHOD BLANK						
Laboratory ID:	MB0507SM1					
Selenium	ND	0.50	EPA 6020B	5-7-21	5-7-21	
METHOD BLANK						
Laboratory ID:	MB0507S1					
Mercury	ND	0.020	EPA 7471B	5-7-21	5-7-21	



Date of Report: May 10, 2021
 Samples Submitted: May 5, 2021
 Laboratory Reference: 2105-034
 Project: 6694-002-03 T700

TOTAL METALS
EPA 6010D/6020B/7471B
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD	Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	
DUPLICATE									
Laboratory ID:	05-034-01								
	ORIG	DUP							
Arsenic	ND	ND	NA	NA		NA	NA	NA	20
Cadmium	ND	ND	NA	NA		NA	NA	NA	20
Chromium	23.5	24.6	NA	NA		NA	NA	4	20
Copper	6.05	6.40	NA	NA		NA	NA	6	20
Lead	ND	ND	NA	NA		NA	NA	NA	20
Nickel	33.5	40.6	NA	NA		NA	NA	19	20
Zinc	37.5	43.2	NA	NA		NA	NA	14	20

Laboratory ID:	05-034-01								
Selenium	ND	ND	NA	NA		NA	NA	NA	20

Laboratory ID:	05-023-01								
Mercury	ND	ND	NA	NA		NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	05-034-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	94.7	90.4	100	100	ND	95	90	75-125	5	20
Cadmium	46.4	44.4	50.0	50.0	ND	93	89	75-125	4	20
Chromium	120	115	100	100	23.5	96	92	75-125	4	20
Copper	56.1	53.8	50.0	50.0	6.05	100	96	75-125	4	20
Lead	249	239	250	250	ND	100	96	75-125	4	20
Nickel	133	130	100	100	33.5	100	96	75-125	3	20
Zinc	138	134	100	100	37.5	100	97	75-125	2	20

Laboratory ID:	05-034-01									
Selenium	81.3	84.3	100	100	ND	81	84	75-125	4	20

Laboratory ID:	05-023-01									
Mercury	0.562	0.562	0.500	0.500	0.0136	110	110	80-120	0	20



Date of Report: May 10, 2021
Samples Submitted: May 5, 2021
Laboratory Reference: 2105-034
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-20-11	05-034-01	10	5-6-21
IAEX-21-6	05-034-02	9	5-6-21
IAEX-22-8	05-034-03	16	5-6-21
IAEX-23-3	05-034-04	17	5-6-21
IAEX-24-35	05-034-05	8	5-6-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number:

05-034

Company: **GeoEngineers**

Project Number: **6694-002-03 T700**

Project Name: **Go East Corp Landfill Site**

Project Manager: **Rob Leet**

Sampled by: **Paul Robinette**

Lab ID	Sample Identification	Date			Matrix	Number of Containers	Testing Parameters										% Moisture								
		Sampled	Time Sampled	Matrix			NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (X Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A		Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	
1	IAEX-20-11	5/5/21	915	S	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	IAEX-21-6		940	S	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	IAEX-22-B		955	S	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	IAEX-23-3		1410	S	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	IAEX-24-35		1440	S	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Signature: <i>Paul Robinette</i>		Company: <i>GEI</i>		Date: <i>5/5/21</i>	Time: <i>1500</i>	Comments/Special Instructions: <i>**Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc</i>																			
Received: <i>[Signature]</i>		Company: <i>GeoEng & Blue</i>		Date: <i>5/5/21</i>	Time: <i>3:00pm</i>	Comments/Special Instructions: <i>**PCBs as Aroclors</i>																			
Received: <i>[Signature]</i>		Company: <i>GeoEng & Blue</i>		Date: <i>5/4/21</i>	Time: <i>3:48pm</i>	Comments/Special Instructions: <i>Please report zinc only</i>																			
Received: <i>[Signature]</i>		Company: <i>GEI</i>		Date: <i>5/5/21</i>	Time: <i>1548</i>	Comments/Special Instructions: <i>Please report only PCBs & gamma-chlorobenzene only</i>																			
Reviewed/Date		Reviewed/Date				Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>																			
						Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>																			



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 11, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-048

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 6, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 11, 2021
Samples Submitted: May 6, 2021
Laboratory Reference: 2105-048
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 6, 2021 and received by the laboratory on May 6, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 11, 2021
Samples Submitted: May 6, 2021
Laboratory Reference: 2105-048
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-25-5	05-048-01	Soil	5-6-21	5-6-21	
IAEX-26-3	05-048-02	Soil	5-6-21	5-6-21	



Date of Report: May 11, 2021
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**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-25-5					
Laboratory ID:	05-048-01					
Gasoline	ND	6.7	NWTPH-Gx	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	104	66-129				
Client ID:	IAEX-26-3					
Laboratory ID:	05-048-02					
Gasoline	ND	6.9	NWTPH-Gx	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	66-129				



Date of Report: May 11, 2021
 Samples Submitted: May 6, 2021
 Laboratory Reference: 2105-048
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-25-5					
Laboratory ID:	05-048-01					
Diesel Range Organics	ND	32	NWTPH-Dx	5-7-21	5-7-21	X1
Lube Oil Range Organics	ND	63	NWTPH-Dx	5-7-21	5-7-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Client ID:	IAEX-26-3					
Laboratory ID:	05-048-02					
Diesel Range Organics	ND	30	NWTPH-Dx	5-7-21	5-7-21	X1
Lube Oil Range Organics	ND	60	NWTPH-Dx	5-7-21	5-7-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				



Date of Report: May 11, 2021
 Samples Submitted: May 6, 2021
 Laboratory Reference: 2105-048
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-25-5					
Laboratory ID:	05-048-01					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Chloromethane	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Bromomethane	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
Chloroethane	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Acetone	ND	0.015	EPA 8260D	5-7-21	5-7-21	
Iodomethane	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Methylene Chloride	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Vinyl Acetate	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
2-Butanone	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Chloroform	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Benzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Methyl Isobutyl Ketone	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
Toluene	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	



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 Samples Submitted: May 6, 2021
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VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-25-5					
Laboratory ID:	05-048-01					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
2-Hexanone	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
m,p-Xylene	ND	0.0022	EPA 8260D	5-7-21	5-7-21	
o-Xylene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Styrene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Bromoform	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Hexachlorobutadiene	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
Naphthalene	ND	0.0055	EPA 8260D	5-7-21	5-7-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>106</i>	<i>71-130</i>				



Date of Report: May 11, 2021
 Samples Submitted: May 6, 2021
 Laboratory Reference: 2105-048
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-26-3					
Laboratory ID:	05-048-02					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Chloromethane	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Bromomethane	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
Chloroethane	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Acetone	ND	0.015	EPA 8260D	5-7-21	5-7-21	
Iodomethane	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Methylene Chloride	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Vinyl Acetate	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
2-Butanone	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Chloroform	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Benzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Methyl Isobutyl Ketone	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
Toluene	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	



Date of Report: May 11, 2021
 Samples Submitted: May 6, 2021
 Laboratory Reference: 2105-048
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-26-3					
Laboratory ID:	05-048-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
2-Hexanone	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
m,p-Xylene	ND	0.0021	EPA 8260D	5-7-21	5-7-21	
o-Xylene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Styrene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Bromoform	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
Hexachlorobutadiene	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
Naphthalene	ND	0.0053	EPA 8260D	5-7-21	5-7-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-7-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>113</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>107</i>	<i>71-130</i>				



Date of Report: May 11, 2021
 Samples Submitted: May 6, 2021
 Laboratory Reference: 2105-048
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-25-5					
Laboratory ID:	05-048-01					
n-Nitrosodimethylamine	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Pyridine	ND	0.42	EPA 8270E	5-10-21	5-11-21	
Phenol	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Aniline	ND	0.21	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethyl)ether	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2-Chlorophenol	ND	0.042	EPA 8270E	5-10-21	5-11-21	
1,3-Dichlorobenzene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
1,4-Dichlorobenzene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Benzyl alcohol	ND	0.042	EPA 8270E	5-10-21	5-11-21	
1,2-Dichlorobenzene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2-Methylphenol (o-Cresol)	ND	0.042	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroisopropyl)ether	ND	0.042	EPA 8270E	5-10-21	5-11-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.042	EPA 8270E	5-10-21	5-11-21	
n-Nitroso-di-n-propylamine	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Hexachloroethane	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Nitrobenzene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Isophorone	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2-Nitrophenol	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2,4-Dimethylphenol	ND	0.042	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethoxy)methane	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2,4-Dichlorophenol	ND	0.042	EPA 8270E	5-10-21	5-11-21	
1,2,4-Trichlorobenzene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Naphthalene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
4-Chloroaniline	ND	0.21	EPA 8270E	5-10-21	5-11-21	
Hexachlorobutadiene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
4-Chloro-3-methylphenol	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2-Methylnaphthalene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
1-Methylnaphthalene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
Hexachlorocyclopentadiene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2,4,6-Trichlorophenol	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2,3-Dichloroaniline	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2,4,5-Trichlorophenol	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2-Chloronaphthalene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2-Nitroaniline	ND	0.042	EPA 8270E	5-10-21	5-11-21	
1,4-Dinitrobenzene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Dimethylphthalate	ND	0.042	EPA 8270E	5-10-21	5-11-21	
1,3-Dinitrobenzene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2,6-Dinitrotoluene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
1,2-Dinitrobenzene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Acenaphthylene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
3-Nitroaniline	ND	0.042	EPA 8270E	5-10-21	5-11-21	



Date of Report: May 11, 2021
 Samples Submitted: May 6, 2021
 Laboratory Reference: 2105-048
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-25-5					
Laboratory ID:	05-048-01					
2,4-Dinitrophenol	ND	0.21	EPA 8270E	5-10-21	5-11-21	
Acenaphthene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
4-Nitrophenol	ND	0.084	EPA 8270E	5-10-21	5-11-21	
2,4-Dinitrotoluene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Dibenzofuran	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2,3,5,6-Tetrachlorophenol	ND	0.042	EPA 8270E	5-10-21	5-11-21	
2,3,4,6-Tetrachlorophenol	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Diethylphthalate	ND	0.21	EPA 8270E	5-10-21	5-11-21	
4-Chlorophenyl-phenylether	ND	0.042	EPA 8270E	5-10-21	5-11-21	
4-Nitroaniline	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Fluorene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
4,6-Dinitro-2-methylphenol	ND	0.21	EPA 8270E	5-10-21	5-11-21	
n-Nitrosodiphenylamine	ND	0.042	EPA 8270E	5-10-21	5-11-21	
1,2-Diphenylhydrazine	ND	0.042	EPA 8270E	5-10-21	5-11-21	
4-Bromophenyl-phenylether	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Hexachlorobenzene	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Pentachlorophenol	ND	0.21	EPA 8270E	5-10-21	5-11-21	
Phenanthrene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
Anthracene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
Carbazole	ND	0.042	EPA 8270E	5-10-21	5-11-21	
Di-n-butylphthalate	ND	0.21	EPA 8270E	5-10-21	5-11-21	
Fluoranthene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
Pyrene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
Butylbenzylphthalate	ND	0.21	EPA 8270E	5-10-21	5-11-21	
bis-2-Ethylhexyladipate	ND	0.21	EPA 8270E	5-10-21	5-11-21	
3,3'-Dichlorobenzidine	ND	0.21	EPA 8270E	5-10-21	5-11-21	
Benzo[a]anthracene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
Chrysene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
bis(2-Ethylhexyl)phthalate	ND	0.21	EPA 8270E	5-10-21	5-11-21	
Di-n-octylphthalate	ND	0.21	EPA 8270E	5-10-21	5-11-21	
Benzo[b]fluoranthene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo(j,k)fluoranthene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[a]pyrene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
Indeno[1,2,3-cd]pyrene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
Dibenz[a,h]anthracene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[g,h,i]perylene	ND	0.0084	EPA 8270E/SIM	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>66</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>73</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>68</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>72</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>78</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>69</i>	<i>41 - 115</i>				



Date of Report: May 11, 2021
 Samples Submitted: May 6, 2021
 Laboratory Reference: 2105-048
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-26-3					
Laboratory ID:	05-048-02					
n-Nitrosodimethylamine	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Pyridine	ND	0.40	EPA 8270E	5-10-21	5-11-21	
Phenol	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Aniline	ND	0.20	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethyl)ether	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2-Chlorophenol	ND	0.040	EPA 8270E	5-10-21	5-11-21	
1,3-Dichlorobenzene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
1,4-Dichlorobenzene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Benzyl alcohol	ND	0.040	EPA 8270E	5-10-21	5-11-21	
1,2-Dichlorobenzene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2-Methylphenol (o-Cresol)	ND	0.040	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroisopropyl)ether	ND	0.040	EPA 8270E	5-10-21	5-11-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.040	EPA 8270E	5-10-21	5-11-21	
n-Nitroso-di-n-propylamine	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Hexachloroethane	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Nitrobenzene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Isophorone	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2-Nitrophenol	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2,4-Dimethylphenol	ND	0.040	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethoxy)methane	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2,4-Dichlorophenol	ND	0.040	EPA 8270E	5-10-21	5-11-21	
1,2,4-Trichlorobenzene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Naphthalene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
4-Chloroaniline	ND	0.20	EPA 8270E	5-10-21	5-11-21	
Hexachlorobutadiene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
4-Chloro-3-methylphenol	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2-Methylnaphthalene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
1-Methylnaphthalene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
Hexachlorocyclopentadiene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2,4,6-Trichlorophenol	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2,3-Dichloroaniline	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2,4,5-Trichlorophenol	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2-Chloronaphthalene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2-Nitroaniline	ND	0.040	EPA 8270E	5-10-21	5-11-21	
1,4-Dinitrobenzene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Dimethylphthalate	ND	0.040	EPA 8270E	5-10-21	5-11-21	
1,3-Dinitrobenzene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2,6-Dinitrotoluene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
1,2-Dinitrobenzene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Acenaphthylene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
3-Nitroaniline	ND	0.040	EPA 8270E	5-10-21	5-11-21	



Date of Report: May 11, 2021
 Samples Submitted: May 6, 2021
 Laboratory Reference: 2105-048
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-26-3					
Laboratory ID:	05-048-02					
2,4-Dinitrophenol	ND	0.20	EPA 8270E	5-10-21	5-11-21	
Acenaphthene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
4-Nitrophenol	ND	0.080	EPA 8270E	5-10-21	5-11-21	
2,4-Dinitrotoluene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Dibenzofuran	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2,3,5,6-Tetrachlorophenol	ND	0.040	EPA 8270E	5-10-21	5-11-21	
2,3,4,6-Tetrachlorophenol	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Diethylphthalate	ND	0.20	EPA 8270E	5-10-21	5-11-21	
4-Chlorophenyl-phenylether	ND	0.040	EPA 8270E	5-10-21	5-11-21	
4-Nitroaniline	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Fluorene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
4,6-Dinitro-2-methylphenol	ND	0.20	EPA 8270E	5-10-21	5-11-21	
n-Nitrosodiphenylamine	ND	0.040	EPA 8270E	5-10-21	5-11-21	
1,2-Diphenylhydrazine	ND	0.040	EPA 8270E	5-10-21	5-11-21	
4-Bromophenyl-phenylether	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Hexachlorobenzene	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Pentachlorophenol	ND	0.20	EPA 8270E	5-10-21	5-11-21	
Phenanthrene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
Anthracene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
Carbazole	ND	0.040	EPA 8270E	5-10-21	5-11-21	
Di-n-butylphthalate	ND	0.20	EPA 8270E	5-10-21	5-11-21	
Fluoranthene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
Pyrene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
Butylbenzylphthalate	ND	0.20	EPA 8270E	5-10-21	5-11-21	
bis-2-Ethylhexyladipate	ND	0.20	EPA 8270E	5-10-21	5-11-21	
3,3'-Dichlorobenzidine	ND	0.20	EPA 8270E	5-10-21	5-11-21	
Benzo[a]anthracene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
Chrysene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
bis(2-Ethylhexyl)phthalate	ND	0.20	EPA 8270E	5-10-21	5-11-21	
Di-n-octylphthalate	ND	0.20	EPA 8270E	5-10-21	5-11-21	
Benzo[b]fluoranthene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo(j,k)fluoranthene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[a]pyrene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
Indeno[1,2,3-cd]pyrene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
Dibenz[a,h]anthracene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[g,h,i]perylene	ND	0.0080	EPA 8270E/SIM	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>77</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>87</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>77</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>84</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>91</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>80</i>	<i>41 - 115</i>				



Date of Report: May 11, 2021
 Samples Submitted: May 6, 2021
 Laboratory Reference: 2105-048
 Project: 6694-002-03 T700

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-25-5					
Laboratory ID:	05-048-01					
Aroclor 1016	ND	0.063	EPA 8082A	5-7-21	5-10-21	
Aroclor 1221	ND	0.063	EPA 8082A	5-7-21	5-10-21	
Aroclor 1232	ND	0.063	EPA 8082A	5-7-21	5-10-21	
Aroclor 1242	ND	0.063	EPA 8082A	5-7-21	5-10-21	
Aroclor 1248	ND	0.063	EPA 8082A	5-7-21	5-10-21	
Aroclor 1254	ND	0.063	EPA 8082A	5-7-21	5-10-21	
Aroclor 1260	ND	0.063	EPA 8082A	5-7-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	96	54-135				

Client ID:	IAEX-26-3					
Laboratory ID:	05-048-02					
Aroclor 1016	ND	0.060	EPA 8082A	5-7-21	5-10-21	
Aroclor 1221	ND	0.060	EPA 8082A	5-7-21	5-10-21	
Aroclor 1232	ND	0.060	EPA 8082A	5-7-21	5-10-21	
Aroclor 1242	ND	0.060	EPA 8082A	5-7-21	5-10-21	
Aroclor 1248	ND	0.060	EPA 8082A	5-7-21	5-10-21	
Aroclor 1254	ND	0.060	EPA 8082A	5-7-21	5-10-21	
Aroclor 1260	ND	0.060	EPA 8082A	5-7-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	92	54-135				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-25-5					
Laboratory ID:	05-048-01					
alpha-BHC	ND	6.3	EPA 8081B	5-7-21	5-10-21	
gamma-BHC (Lindane)	ND	6.3	EPA 8081B	5-7-21	5-10-21	
beta-BHC	ND	6.3	EPA 8081B	5-7-21	5-10-21	
delta-BHC	ND	6.3	EPA 8081B	5-7-21	5-10-21	
Heptachlor	ND	6.3	EPA 8081B	5-7-21	5-10-21	
Aldrin	ND	6.3	EPA 8081B	5-7-21	5-10-21	
Heptachlor Epoxide	ND	6.3	EPA 8081B	5-7-21	5-10-21	
gamma-Chlordane	ND	6.3	EPA 8081B	5-7-21	5-10-21	
alpha-Chlordane	ND	13	EPA 8081B	5-7-21	5-10-21	
4,4'-DDE	ND	13	EPA 8081B	5-7-21	5-10-21	
Endosulfan I	ND	6.3	EPA 8081B	5-7-21	5-10-21	
Dieldrin	ND	13	EPA 8081B	5-7-21	5-10-21	
Endrin	ND	6.3	EPA 8081B	5-7-21	5-10-21	
4,4'-DDD	ND	13	EPA 8081B	5-7-21	5-10-21	
Endosulfan II	ND	13	EPA 8081B	5-7-21	5-10-21	
4,4'-DDT	ND	13	EPA 8081B	5-7-21	5-10-21	
Endrin Aldehyde	ND	13	EPA 8081B	5-7-21	5-10-21	
Methoxychlor	ND	13	EPA 8081B	5-7-21	5-10-21	
Endosulfan Sulfate	ND	13	EPA 8081B	5-7-21	5-10-21	
Endrin Ketone	ND	13	EPA 8081B	5-7-21	5-10-21	
Toxaphene	ND	63	EPA 8081B	5-7-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	70	30-110				
DCB	93	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-26-3					
Laboratory ID:	05-048-02					
alpha-BHC	ND	6.0	EPA 8081B	5-7-21	5-10-21	
gamma-BHC (Lindane)	ND	6.0	EPA 8081B	5-7-21	5-10-21	
beta-BHC	ND	6.0	EPA 8081B	5-7-21	5-10-21	
delta-BHC	ND	6.0	EPA 8081B	5-7-21	5-10-21	
Heptachlor	ND	6.0	EPA 8081B	5-7-21	5-10-21	
Aldrin	ND	6.0	EPA 8081B	5-7-21	5-10-21	
Heptachlor Epoxide	ND	6.0	EPA 8081B	5-7-21	5-10-21	
gamma-Chlordane	ND	6.0	EPA 8081B	5-7-21	5-10-21	
alpha-Chlordane	ND	12	EPA 8081B	5-7-21	5-10-21	
4,4'-DDE	ND	12	EPA 8081B	5-7-21	5-10-21	
Endosulfan I	ND	6.0	EPA 8081B	5-7-21	5-10-21	
Dieldrin	ND	12	EPA 8081B	5-7-21	5-10-21	
Endrin	ND	6.0	EPA 8081B	5-7-21	5-10-21	
4,4'-DDD	ND	12	EPA 8081B	5-7-21	5-10-21	
Endosulfan II	ND	12	EPA 8081B	5-7-21	5-10-21	
4,4'-DDT	ND	12	EPA 8081B	5-7-21	5-10-21	
Endrin Aldehyde	ND	12	EPA 8081B	5-7-21	5-10-21	
Methoxychlor	ND	12	EPA 8081B	5-7-21	5-10-21	
Endosulfan Sulfate	ND	12	EPA 8081B	5-7-21	5-10-21	
Endrin Ketone	ND	12	EPA 8081B	5-7-21	5-10-21	
Toxaphene	ND	60	EPA 8081B	5-7-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	73	30-110				
DCB	94	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-25-5					
Laboratory ID:	05-048-01					
Dalapon	ND	230	EPA 8151A	5-10-21	5-10-21	
Dicamba	ND	12	EPA 8151A	5-10-21	5-10-21	
MCPD	ND	1200	EPA 8151A	5-10-21	5-10-21	
MCPA	ND	3000	EPA 8151A	5-10-21	5-10-21	
Dichlorprop	ND	89	EPA 8151A	5-10-21	5-10-21	
2,4-D	ND	12	EPA 8151A	5-10-21	5-10-21	
Pentachlorophenol	ND	6.0	EPA 8151A	5-10-21	5-10-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	5-10-21	5-10-21	
2,4,5-T	ND	12	EPA 8151A	5-10-21	5-10-21	
2,4-DB	ND	12	EPA 8151A	5-10-21	5-10-21	
Dinoseb	ND	12	EPA 8151A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	48	27-134				
Client ID:	IAEX-26-3					
Laboratory ID:	05-048-02					
Dalapon	ND	220	EPA 8151A	5-10-21	5-10-21	
Dicamba	ND	11	EPA 8151A	5-10-21	5-10-21	
MCPD	ND	1100	EPA 8151A	5-10-21	5-10-21	
MCPA	ND	2800	EPA 8151A	5-10-21	5-10-21	
Dichlorprop	ND	85	EPA 8151A	5-10-21	5-10-21	
2,4-D	ND	11	EPA 8151A	5-10-21	5-10-21	
Pentachlorophenol	ND	5.7	EPA 8151A	5-10-21	5-10-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-10-21	5-10-21	
2,4,5-T	ND	11	EPA 8151A	5-10-21	5-10-21	
2,4-DB	ND	11	EPA 8151A	5-10-21	5-10-21	
Dinoseb	ND	11	EPA 8151A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	65	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-25-5					
Laboratory ID:	05-048-01					
Arsenic	ND	13	EPA 6010D	5-10-21	5-10-21	
Cadmium	ND	0.63	EPA 6010D	5-10-21	5-10-21	
Chromium	30	0.63	EPA 6010D	5-10-21	5-10-21	
Copper	6.9	1.3	EPA 6010D	5-10-21	5-10-21	
Lead	ND	6.3	EPA 6010D	5-10-21	5-10-21	
Mercury	ND	0.022	EPA 7471B	5-7-21	5-7-21	
Nickel	34	3.2	EPA 6010D	5-10-21	5-10-21	
Selenium	ND	0.63	EPA 6020B	5-7-21	5-7-21	
Zinc	21	3.2	EPA 6010D	5-10-21	5-10-21	

Client ID:	IAEX-26-3					
Laboratory ID:	05-048-02					
Arsenic	ND	12	EPA 6010D	5-10-21	5-10-21	
Cadmium	ND	0.60	EPA 6010D	5-10-21	5-10-21	
Chromium	28	0.60	EPA 6010D	5-10-21	5-10-21	
Copper	9.4	1.2	EPA 6010D	5-10-21	5-10-21	
Lead	ND	6.0	EPA 6010D	5-10-21	5-10-21	
Mercury	0.039	0.021	EPA 7471B	5-7-21	5-7-21	
Nickel	41	3.0	EPA 6010D	5-10-21	5-10-21	
Selenium	ND	0.60	EPA 6020B	5-7-21	5-7-21	
Zinc	22	3.0	EPA 6010D	5-10-21	5-10-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S2					
Gasoline	ND	5.0	NWTPH-Gx	5-6-21	5-6-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-034-05							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				98	98	66-129		



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 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0507S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-7-21	5-7-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-7-21	5-7-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	109	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0507S1							
	ORIG	DUP						
Diesel Fuel #2	102	92.3	NA	NA	NA	NA	10	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				106	100	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0507S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Chloromethane	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Bromomethane	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
Chloroethane	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Acetone	ND	0.014	EPA 8260D	5-7-21	5-7-21	
Iodomethane	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
2-Butanone	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Chloroform	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Benzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
Toluene	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0507S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-7-21	5-7-21	
o-Xylene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Styrene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Bromoform	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
Naphthalene	ND	0.0050	EPA 8260D	5-7-21	5-7-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-7-21	5-7-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>105</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0507S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0448	0.0451	0.0500	0.0500	90	90	71-131	1	19	
Benzene	0.0565	0.0564	0.0500	0.0500	113	113	73-124	0	18	
Trichloroethene	0.0578	0.0596	0.0500	0.0500	116	119	79-130	3	18	
Toluene	0.0509	0.0516	0.0500	0.0500	102	103	76-123	1	18	
Chlorobenzene	0.0491	0.0515	0.0500	0.0500	98	103	78-122	5	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					106	100	74-131			
<i>Toluene-d8</i>					96	94	78-128			
<i>4-Bromofluorobenzene</i>					105	105	71-130			



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Pyridine	ND	0.33	EPA 8270E	5-10-21	5-10-21	
Phenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Aniline	ND	0.17	EPA 8270E	5-10-21	5-10-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-10-21	5-10-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-10-21	5-10-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-10-21	5-10-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Isophorone	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-10-21	5-10-21	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 11, 2021
 Samples Submitted: May 6, 2021
 Laboratory Reference: 2105-048
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S1					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
4-Nitrophenol	ND	0.067	EPA 8270E	5-10-21	5-10-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Dibenzofuran	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-10-21	5-10-21	
4-Nitroaniline	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270E	5-10-21	5-10-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-10-21	5-10-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Carbazole	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	80	26 - 109				
Phenol-d6	88	33 - 113				
Nitrobenzene-d5	76	31 - 110				
2-Fluorobiphenyl	86	42 - 107				
2,4,6-Tribromophenol	92	42 - 123				
Terphenyl-d14	83	41 - 115				



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 Laboratory Reference: 2105-048
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	05-069-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.777	0.872	1.33	1.33	ND	58	66	33 - 105	12	36	
2-Chlorophenol	0.864	0.958	1.33	1.33	ND	65	72	36 - 105	10	38	
1,4-Dichlorobenzene	0.429	0.466	0.667	0.667	ND	64	70	27 - 106	8	40	
n-Nitroso-di-n-propylamine	0.405	0.476	0.667	0.667	ND	61	71	28 - 111	16	35	
1,2,4-Trichlorobenzene	0.454	0.487	0.667	0.667	ND	68	73	37 - 104	7	41	
4-Chloro-3-methylphenol	1.02	1.12	1.33	1.33	ND	77	84	42 - 113	9	25	
Acenaphthene	0.431	0.503	0.667	0.667	ND	65	75	36 - 104	15	23	
4-Nitrophenol	1.35	1.32	1.33	1.33	ND	102	99	22 - 135	2	24	
2,4-Dinitrotoluene	0.528	0.566	0.667	0.667	ND	79	85	25 - 114	7	26	
Pentachlorophenol	1.31	1.36	1.33	1.33	ND	98	102	28 - 135	4	28	
Pyrene	0.526	0.553	0.667	0.667	ND	79	83	29 - 127	5	20	
<i>Surrogate:</i>											
2-Fluorophenol						63	69	26 - 109			
Phenol-d6						68	77	33 - 113			
Nitrobenzene-d5						62	66	31 - 110			
2-Fluorobiphenyl						69	80	42 - 107			
2,4,6-Tribromophenol						86	89	42 - 123			
Terphenyl-d14						75	79	41 - 115			



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**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0507S1					
Aroclor 1016	ND	0.050	EPA 8082A	5-7-21	5-10-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-7-21	5-10-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-7-21	5-10-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-7-21	5-10-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-7-21	5-10-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-7-21	5-10-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-7-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	90		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-048-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.555	0.538	0.500	0.500	ND	111	108	62-129	3	15	
<i>Surrogate:</i>											
DCB						100	95	54-135			



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 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0507S1					
alpha-BHC	ND	5.0	EPA 8081B	5-7-21	5-10-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-7-21	5-10-21	
beta-BHC	ND	5.0	EPA 8081B	5-7-21	5-10-21	
delta-BHC	ND	5.0	EPA 8081B	5-7-21	5-10-21	
Heptachlor	ND	5.0	EPA 8081B	5-7-21	5-10-21	
Aldrin	ND	5.0	EPA 8081B	5-7-21	5-10-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-7-21	5-10-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-7-21	5-10-21	
alpha-Chlordane	ND	10	EPA 8081B	5-7-21	5-10-21	
4,4'-DDE	ND	10	EPA 8081B	5-7-21	5-10-21	
Endosulfan I	ND	5.0	EPA 8081B	5-7-21	5-10-21	
Dieldrin	ND	10	EPA 8081B	5-7-21	5-10-21	
Endrin	ND	5.0	EPA 8081B	5-7-21	5-10-21	
4,4'-DDD	ND	10	EPA 8081B	5-7-21	5-10-21	
Endosulfan II	ND	10	EPA 8081B	5-7-21	5-10-21	
4,4'-DDT	ND	10	EPA 8081B	5-7-21	5-10-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-7-21	5-10-21	
Methoxychlor	ND	10	EPA 8081B	5-7-21	5-10-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-7-21	5-10-21	
Endrin Ketone	ND	10	EPA 8081B	5-7-21	5-10-21	
Toxaphene	ND	50	EPA 8081B	5-7-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>74</i>	<i>30-110</i>				
<i>DCB</i>	<i>98</i>	<i>40-117</i>				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	Limit			
MATRIX SPIKES											
Laboratory ID:	05-048-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	76.3	74.7	100	100	ND	76	75	36-123	2	21	
gamma-BHC (Lindane)	79.2	76.9	100	100	ND	79	77	38-121	3	21	
beta-BHC	73.2	69.0	100	100	ND	73	69	31-125	6	21	
delta-BHC	77.2	74.8	100	100	ND	77	75	37-118	3	23	
Heptachlor	95.7	93.1	100	100	ND	96	93	37-123	3	24	
Aldrin	79.7	76.5	100	100	ND	80	76	45-118	4	22	
Heptachlor Epoxide	97.3	94.0	100	100	ND	97	94	46-114	3	22	
gamma-Chlordane	79.5	76.0	100	100	ND	79	76	41-120	5	23	
alpha-Chlordane	73.6	71.0	100	100	ND	74	71	43-118	4	23	
4,4'-DDE	80.6	76.7	100	100	ND	81	77	34-139	5	22	
Endosulfan I	78.9	76.1	100	100	ND	79	76	43-124	4	25	
Dieldrin	98.4	94.4	100	100	ND	98	94	40-128	4	23	
Endrin	103	97.9	100	100	ND	103	98	44-120	5	28	
4,4'-DDD	82.4	79.3	100	100	ND	82	79	42-131	4	21	
Endosulfan II	103	98.2	100	100	ND	103	98	47-112	5	22	
4,4'-DDT	82.0	77.6	100	100	ND	82	78	29-141	6	32	
Endrin Aldehyde	65.8	63.9	100	100	ND	66	64	41-114	3	22	
Methoxychlor	96.1	92.7	100	100	ND	96	93	31-139	4	23	
Endosulfan Sulfate	79.9	76.8	100	100	ND	80	77	48-112	4	21	
Endrin Ketone	79.4	76.1	100	100	ND	79	76	46-117	4	22	
Surrogate:											
TCMX						71	67	30-110			
DCB						94	89	40-117			



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**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S1					
Dalapon	ND	180	EPA 8151A	5-10-21	5-10-21	
Dicamba	ND	9.4	EPA 8151A	5-10-21	5-10-21	
MCP	ND	940	EPA 8151A	5-10-21	5-10-21	
MCPA	ND	2300	EPA 8151A	5-10-21	5-10-21	
Dichlorprop	ND	71	EPA 8151A	5-10-21	5-10-21	
2,4-D	ND	9.4	EPA 8151A	5-10-21	5-10-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-10-21	5-10-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-10-21	5-10-21	
2,4,5-T	ND	9.5	EPA 8151A	5-10-21	5-10-21	
2,4-DB	ND	9.5	EPA 8151A	5-10-21	5-10-21	
Dinoseb	ND	9.5	EPA 8151A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	43	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0510S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	725	842	1250	1250	N/A	58	67	10-68 15 38
Dicamba	218	219	250	250	N/A	87	88	52-101 0 18
MCP	17700	17600	25000	25000	N/A	71	71	63-105 1 21
MCPA	16700	16300	25000	25000	N/A	67	65	45-107 2 21
Dichlorprop	204	212	250	250	N/A	82	85	54-106 4 18
2,4-D	214	211	250	250	N/A	86	84	33-95 1 25
Pentachlorophenol	24.4	25.9	25.0	25.0	N/A	98	104	48-125 6 20
2,4,5-TP (Silvex)	226	234	250	250	N/A	91	94	62-115 3 17
2,4,5-T	228	233	250	250	N/A	91	93	48-108 2 21
2,4-DB	230	254	250	250	N/A	92	102	45-114 10 23
Dinoseb	199	223	250	250	N/A	80	89	51-124 11 27
<i>Surrogate:</i>								
DCAA						94	97	27-134



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TOTAL METALS
EPA 6010D/6020B/7471B
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB05010SM3					
Arsenic	ND	10	EPA 6010D	5-10-21	5-10-21	
Cadmium	ND	0.50	EPA 6010D	5-10-21	5-10-21	
Chromium	ND	0.50	EPA 6010D	5-10-21	5-10-21	
Copper	ND	1.0	EPA 6010D	5-10-21	5-10-21	
Lead	ND	5.0	EPA 6010D	5-10-21	5-10-21	
Nickel	ND	2.5	EPA 6010D	5-10-21	5-10-21	
Zinc	ND	2.5	EPA 6010D	5-10-21	5-10-21	
<hr/>						
Laboratory ID:	MB0507SM1					
Selenium	ND	0.50	EPA 6020B	5-7-21	5-7-21	
<hr/>						
Laboratory ID:	MB0507S1					
Mercury	ND	0.018	EPA 7471B	5-7-21	5-7-21	



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**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	05-069-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	24.0	25.2	NA	NA		NA	NA	5	20	
Copper	10.5	10.4	NA	NA		NA	NA	0	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	40.4	41.3	NA	NA		NA	NA	2	20	
Zinc	23.0	23.8	NA	NA		NA	NA	4	20	

Laboratory ID:	05-023-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	05-023-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	05-069-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	94.3	93.4	100	100	ND	94	93	75-125	1	20
Cadmium	43.3	43.0	50.0	50.0	ND	87	86	75-125	1	20
Chromium	121	120	100	100	24.0	97	96	75-125	1	20
Copper	55.5	54.5	50.0	50.0	10.5	90	88	75-125	2	20
Lead	225	223	250	250	ND	90	89	75-125	1	20
Nickel	132	131	100	100	40.4	91	91	75-125	1	20
Zinc	114	112	100	100	23.0	91	89	75-125	1	20

Laboratory ID:	05-023-01									
Selenium	81.3	84.3	100	100	ND	81	84	75-125	4	20

Laboratory ID:	05-023-01									
Mercury	0.562	0.562	0.500	0.500	0.0136	110	110	80-120	0	20



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% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-25-5	05-048-01	21	5-7-21
IAEX-26-3	05-048-02	17	5-7-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





OnSite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (In working days)

Laboratory Number: **05-048**

(Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

_____ (other)

Company: GeoEngineers
 Project Number: 6694-002-03 T700
 Project Name: Go East Corp Landfill Site
 Project Manager: Rob Leet
 Sampled by: Paul Robinette

Lab ID Sample Identification

Number of Containers

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL METALS *	% Moisture
1	IAEX-25-5	5/6/21	1300	S	6			X	X	X			X	X	X	X	X	X					X	X
2	IAEX-26-3	5/6/21	1315	S	6			X	X	X			X	X	X	X	X	X					X	X

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	BEI	5/6/21	1514	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc **PCBs as Aroclors
<i>[Signature]</i>	ALPHA	5/6/21	1514	
<i>[Signature]</i>	ALPHA	5/6/21	1550	
<i>[Signature]</i>	OSE	5/6/21	1550	
Received				Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Reviewed/Date				Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 11, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-069

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 7, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 11, 2021
Samples Submitted: May 7, 2021
Laboratory Reference: 2105-069
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 7, 2021 and received by the laboratory on May 7, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Chlorinated Acid Herbicides EPA 8151A Analysis

Negative effects of the matrix from the samples IAEX-28-28, IAEX-29-25, and IAEX-30-30 on the instrument caused values for Dicamba in the closing continuing calibration verification standard (CCVs) to go low. Because of this, quantitation limits and sample concentrations can be higher than reported.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: May 11, 2021
Samples Submitted: May 7, 2021
Laboratory Reference: 2105-069
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-27-25	05-069-01	Soil	5-7-21	5-7-21	
IAEX-28-28	05-069-02	Soil	5-7-21	5-7-21	
IAEX-29-25	05-069-03	Soil	5-7-21	5-7-21	
IAEX-30-30	05-069-04	Soil	5-7-21	5-7-21	



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-27-25					
Laboratory ID:	05-069-01					
Gasoline	ND	6.8	NWTPH-Gx	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	103	66-129				
Client ID:	IAEX-28-28					
Laboratory ID:	05-069-02					
Gasoline	ND	6.6	NWTPH-Gx	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	105	66-129				
Client ID:	IAEX-29-25					
Laboratory ID:	05-069-03					
Gasoline	ND	5.4	NWTPH-Gx	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	66-129				
Client ID:	IAEX-30-30					
Laboratory ID:	05-069-04					
Gasoline	ND	5.7	NWTPH-Gx	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	102	66-129				



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-27-25					
Laboratory ID:	05-069-01					
Diesel Range Organics	ND	27	NWTPH-Dx	5-10-21	5-11-21	X1
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-10-21	5-11-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	113	50-150				

Client ID:	IAEX-28-28					
Laboratory ID:	05-069-02					
Diesel Range Organics	ND	28	NWTPH-Dx	5-10-21	5-10-21	X1
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-10-21	5-10-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	105	50-150				

Client ID:	IAEX-29-25					
Laboratory ID:	05-069-03					
Diesel Range Organics	ND	27	NWTPH-Dx	5-10-21	5-10-21	X1
Lube Oil Range Organics	ND	53	NWTPH-Dx	5-10-21	5-10-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	114	50-150				

Client ID:	IAEX-30-30					
Laboratory ID:	05-069-04					
Diesel Range Organics	ND	28	NWTPH-Dx	5-10-21	5-10-21	X1
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-10-21	5-10-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-27-25					
Laboratory ID:	05-069-01					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Chloromethane	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Bromomethane	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
Chloroethane	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Acetone	ND	0.017	EPA 8260D	5-10-21	5-10-21	
Iodomethane	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
Carbon Disulfide	ND	0.0015	EPA 8260D	5-10-21	5-10-21	
Methylene Chloride	ND	0.0075	EPA 8260D	5-10-21	5-10-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloroethane	ND	0.0015	EPA 8260D	5-10-21	5-10-21	
Vinyl Acetate	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
2-Butanone	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Chloroform	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Benzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
2-Chloroethyl Vinyl Ether	ND	0.0074	EPA 8260D	5-10-21	5-10-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Methyl Isobutyl Ketone	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
Toluene	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-27-25					
Laboratory ID:	05-069-01					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
2-Hexanone	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
m,p-Xylene	ND	0.0023	EPA 8260D	5-10-21	5-10-21	
o-Xylene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Styrene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Bromoform	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
Hexachlorobutadiene	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
Naphthalene	ND	0.0057	EPA 8260D	5-10-21	5-10-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>107</i>	<i>71-130</i>				



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-28-28					
Laboratory ID:	05-069-02					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Chloromethane	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Bromomethane	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
Chloroethane	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Acetone	ND	0.019	EPA 8260D	5-10-21	5-10-21	
Iodomethane	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
Carbon Disulfide	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Methylene Chloride	ND	0.0085	EPA 8260D	5-10-21	5-10-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloroethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Vinyl Acetate	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
2-Butanone	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
Bromochloromethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Chloroform	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Benzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Trichloroethene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Dibromomethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
2-Chloroethyl Vinyl Ether	ND	0.0083	EPA 8260D	5-10-21	5-10-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Methyl Isobutyl Ketone	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
Toluene	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	



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VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-28-28					
Laboratory ID:	05-069-02					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
2-Hexanone	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Chlorobenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Ethylbenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
m,p-Xylene	ND	0.0026	EPA 8260D	5-10-21	5-10-21	
o-Xylene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Styrene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Bromoform	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Bromobenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
1,2-Dibromo-3-chloropropane	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Hexachlorobutadiene	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
Naphthalene	ND	0.0064	EPA 8260D	5-10-21	5-10-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>112</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>106</i>	<i>71-130</i>				



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-29-25					
Laboratory ID:	05-069-03					
Dichlorodifluoromethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Chloromethane	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
Vinyl Chloride	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Bromomethane	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
Chloroethane	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
Trichlorofluoromethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloroethene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Acetone	ND	0.025	EPA 8260D	5-10-21	5-10-21	
Iodomethane	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
Carbon Disulfide	ND	0.0022	EPA 8260D	5-10-21	5-10-21	
Methylene Chloride	ND	0.011	EPA 8260D	5-10-21	5-10-21	
(trans) 1,2-Dichloroethene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Methyl t-Butyl Ether	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloroethane	ND	0.0022	EPA 8260D	5-10-21	5-10-21	
Vinyl Acetate	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
2,2-Dichloropropane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
(cis) 1,2-Dichloroethene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
2-Butanone	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
Bromochloromethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Chloroform	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,1,1-Trichloroethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Carbon Tetrachloride	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloropropene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Benzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,2-Dichloroethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Trichloroethene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,2-Dichloropropane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Dibromomethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Bromodichloromethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
2-Chloroethyl Vinyl Ether	ND	0.011	EPA 8260D	5-10-21	5-10-21	
(cis) 1,3-Dichloropropene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Methyl Isobutyl Ketone	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
Toluene	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
(trans) 1,3-Dichloropropene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-29-25					
Laboratory ID:	05-069-03					
1,1,2-Trichloroethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Tetrachloroethene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,3-Dichloropropane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
2-Hexanone	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
Dibromochloromethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,2-Dibromoethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Chlorobenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,1,1,2-Tetrachloroethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Ethylbenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
m,p-Xylene	ND	0.0033	EPA 8260D	5-10-21	5-10-21	
o-Xylene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Styrene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Bromoform	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
Isopropylbenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Bromobenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,1,2,2-Tetrachloroethane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,2,3-Trichloropropane	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
n-Propylbenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
2-Chlorotoluene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
4-Chlorotoluene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,3,5-Trimethylbenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
tert-Butylbenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,2,4-Trimethylbenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
sec-Butylbenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,3-Dichlorobenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
p-Isopropyltoluene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,4-Dichlorobenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,2-Dichlorobenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
n-Butylbenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
1,2-Dibromo-3-chloropropane	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
1,2,4-Trichlorobenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
Hexachlorobutadiene	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
Naphthalene	ND	0.0084	EPA 8260D	5-10-21	5-10-21	
1,2,3-Trichlorobenzene	ND	0.0017	EPA 8260D	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>108</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>109</i>	<i>71-130</i>				



Date of Report: May 11, 2021
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 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-30-30					
Laboratory ID:	05-069-04					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Chloromethane	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
Vinyl Chloride	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Bromomethane	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
Chloroethane	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Acetone	ND	0.021	EPA 8260D	5-10-21	5-10-21	
Iodomethane	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
Carbon Disulfide	ND	0.0018	EPA 8260D	5-10-21	5-10-21	
Methylene Chloride	ND	0.0094	EPA 8260D	5-10-21	5-10-21	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloroethane	ND	0.0018	EPA 8260D	5-10-21	5-10-21	
Vinyl Acetate	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
2-Butanone	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
Bromochloromethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Chloroform	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Benzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Trichloroethene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Dibromomethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Bromodichloromethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
2-Chloroethyl Vinyl Ether	ND	0.0092	EPA 8260D	5-10-21	5-10-21	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Methyl Isobutyl Ketone	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
Toluene	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-30-30					
Laboratory ID:	05-069-04					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Tetrachloroethene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
2-Hexanone	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
Dibromochloromethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Chlorobenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Ethylbenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
m,p-Xylene	ND	0.0028	EPA 8260D	5-10-21	5-10-21	
o-Xylene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Styrene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Bromoform	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
Isopropylbenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Bromobenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
n-Propylbenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
2-Chlorotoluene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
4-Chlorotoluene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
tert-Butylbenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
sec-Butylbenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
p-Isopropyltoluene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
n-Butylbenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
1,2-Dibromo-3-chloropropane	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
Hexachlorobutadiene	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
Naphthalene	ND	0.0071	EPA 8260D	5-10-21	5-10-21	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>113</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>106</i>	<i>71-130</i>				



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-27-25					
Laboratory ID:	05-069-01					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Pyridine	ND	0.37	EPA 8270E	5-10-21	5-11-21	
Phenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Aniline	ND	0.18	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Chlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Benzyl alcohol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	5-10-21	5-11-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Hexachloroethane	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Nitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Isophorone	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Nitrophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Naphthalene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Methylnaphthalene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
1-Methylnaphthalene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Nitroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Dimethylphthalate	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Acenaphthylene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
3-Nitroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	



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 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-27-25					
Laboratory ID:	05-069-01					
2,4-Dinitrophenol	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Acenaphthene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
4-Nitrophenol	ND	0.073	EPA 8270E	5-10-21	5-11-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Dibenzofuran	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
4-Nitroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Fluorene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
4,6-Dinitro-2-methylphenol	ND	0.18	EPA 8270E	5-10-21	5-11-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Phenanthrene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
Anthracene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
Carbazole	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Fluoranthene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
Pyrene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Benzo[a]anthracene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
Chrysene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Benzo[b]fluoranthene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo(j,k)fluoranthene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[a]pyrene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
Indeno[1,2,3-cd]pyrene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
Dibenz[a,h]anthracene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[g,h,i]perylene	ND	0.0073	EPA 8270E/SIM	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>61</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>70</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>60</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>69</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>96</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>83</i>	<i>41 - 115</i>				



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-28-28					
Laboratory ID:	05-069-02					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Pyridine	ND	0.37	EPA 8270E	5-10-21	5-11-21	
Phenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Aniline	ND	0.19	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Chlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Benzyl alcohol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	5-10-21	5-11-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Hexachloroethane	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Nitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Isophorone	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Nitrophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Naphthalene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
4-Chloroaniline	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Methylnaphthalene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
1-Methylnaphthalene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Nitroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Dimethylphthalate	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Acenaphthylene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
3-Nitroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	



Date of Report: May 11, 2021
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-28-28					
Laboratory ID:	05-069-02					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Acenaphthene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
4-Nitrophenol	ND	0.075	EPA 8270E	5-10-21	5-11-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Dibenzofuran	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Diethylphthalate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
4-Nitroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Fluorene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270E	5-10-21	5-11-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Pentachlorophenol	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Phenanthrene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
Anthracene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
Carbazole	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Fluoranthene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
Pyrene	0.010	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Benzo[a]anthracene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
Chrysene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Benzo[b]fluoranthene	0.012	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo(j,k)fluoranthene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[a]pyrene	0.014	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
Indeno[1,2,3-cd]pyrene	0.014	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
Dibenz[a,h]anthracene	ND	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[g,h,i]perylene	0.015	0.0075	EPA 8270E/SIM	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	91	26 - 109				
Phenol-d6	98	33 - 113				
Nitrobenzene-d5	85	31 - 110				
2-Fluorobiphenyl	90	42 - 107				
2,4,6-Tribromophenol	98	42 - 123				
Terphenyl-d14	87	41 - 115				



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-29-25					
Laboratory ID:	05-069-03					
n-Nitrosodimethylamine	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Pyridine	ND	0.36	EPA 8270E	5-10-21	5-11-21	
Phenol	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Aniline	ND	0.18	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethyl)ether	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2-Chlorophenol	ND	0.036	EPA 8270E	5-10-21	5-11-21	
1,3-Dichlorobenzene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
1,4-Dichlorobenzene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Benzyl alcohol	ND	0.036	EPA 8270E	5-10-21	5-11-21	
1,2-Dichlorobenzene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2-Methylphenol (o-Cresol)	ND	0.036	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroisopropyl)ether	ND	0.036	EPA 8270E	5-10-21	5-11-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.036	EPA 8270E	5-10-21	5-11-21	
n-Nitroso-di-n-propylamine	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Hexachloroethane	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Nitrobenzene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Isophorone	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2-Nitrophenol	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2,4-Dimethylphenol	ND	0.036	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethoxy)methane	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2,4-Dichlorophenol	ND	0.036	EPA 8270E	5-10-21	5-11-21	
1,2,4-Trichlorobenzene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Naphthalene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Hexachlorobutadiene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
4-Chloro-3-methylphenol	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2-Methylnaphthalene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
1-Methylnaphthalene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
Hexachlorocyclopentadiene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2,4,6-Trichlorophenol	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2,3-Dichloroaniline	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2,4,5-Trichlorophenol	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2-Chloronaphthalene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2-Nitroaniline	ND	0.036	EPA 8270E	5-10-21	5-11-21	
1,4-Dinitrobenzene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Dimethylphthalate	ND	0.036	EPA 8270E	5-10-21	5-11-21	
1,3-Dinitrobenzene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2,6-Dinitrotoluene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
1,2-Dinitrobenzene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Acenaphthylene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
3-Nitroaniline	ND	0.036	EPA 8270E	5-10-21	5-11-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-29-25					
Laboratory ID:	05-069-03					
2,4-Dinitrophenol	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Acenaphthene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
4-Nitrophenol	ND	0.071	EPA 8270E	5-10-21	5-11-21	
2,4-Dinitrotoluene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Dibenzofuran	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2,3,5,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-10-21	5-11-21	
2,3,4,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
4-Chlorophenyl-phenylether	ND	0.036	EPA 8270E	5-10-21	5-11-21	
4-Nitroaniline	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Fluorene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
4,6-Dinitro-2-methylphenol	ND	0.18	EPA 8270E	5-10-21	5-11-21	
n-Nitrosodiphenylamine	ND	0.036	EPA 8270E	5-10-21	5-11-21	
1,2-Diphenylhydrazine	ND	0.036	EPA 8270E	5-10-21	5-11-21	
4-Bromophenyl-phenylether	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Hexachlorobenzene	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Phenanthrene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
Anthracene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
Carbazole	ND	0.036	EPA 8270E	5-10-21	5-11-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Fluoranthene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
Pyrene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Benzo[a]anthracene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
Chrysene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-10-21	5-11-21	
Benzo[b]fluoranthene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo(j,k)fluoranthene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[a]pyrene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
Indeno[1,2,3-cd]pyrene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
Dibenz[a,h]anthracene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[g,h,i]perylene	ND	0.0071	EPA 8270E/SIM	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>77</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>85</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>75</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>82</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>94</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>81</i>	<i>41 - 115</i>				



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 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-30-30					
Laboratory ID:	05-069-04					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Pyridine	ND	0.37	EPA 8270E	5-10-21	5-11-21	
Phenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Aniline	ND	0.19	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Chlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Benzyl alcohol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	5-10-21	5-11-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Hexachloroethane	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Nitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Isophorone	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Nitrophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Naphthalene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
4-Chloroaniline	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
1-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2-Nitroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Dimethylphthalate	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Acenaphthylene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
3-Nitroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-30-30					
Laboratory ID:	05-069-04					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Acenaphthene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
4-Nitrophenol	ND	0.074	EPA 8270E	5-10-21	5-11-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Dibenzofuran	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Diethylphthalate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
4-Nitroaniline	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Fluorene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270E	5-10-21	5-11-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	5-10-21	5-11-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Pentachlorophenol	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Phenanthrene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
Anthracene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
Carbazole	ND	0.037	EPA 8270E	5-10-21	5-11-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Fluoranthene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
Pyrene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Benzo[a]anthracene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
Chrysene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	5-10-21	5-11-21	
Benzo[b]fluoranthene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo(j,k)fluoranthene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[a]pyrene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
Indeno[1,2,3-cd]pyrene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
Dibenz[a,h]anthracene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[g,h,i]perylene	ND	0.0074	EPA 8270E/SIM	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>74</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>82</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>71</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>78</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>90</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>80</i>	<i>41 - 115</i>				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-27-25					
Laboratory ID:	05-069-01					
Aroclor 1016	ND	0.055	EPA 8082A	5-10-21	5-10-21	
Aroclor 1221	ND	0.055	EPA 8082A	5-10-21	5-10-21	
Aroclor 1232	ND	0.055	EPA 8082A	5-10-21	5-10-21	
Aroclor 1242	ND	0.055	EPA 8082A	5-10-21	5-10-21	
Aroclor 1248	ND	0.055	EPA 8082A	5-10-21	5-10-21	
Aroclor 1254	ND	0.055	EPA 8082A	5-10-21	5-10-21	
Aroclor 1260	ND	0.055	EPA 8082A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	87	54-135				
Client ID:	IAEX-28-28					
Laboratory ID:	05-069-02					
Aroclor 1016	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1221	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1232	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1242	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1248	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1254	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1260	ND	0.056	EPA 8082A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	94	54-135				
Client ID:	IAEX-29-25					
Laboratory ID:	05-069-03					
Aroclor 1016	ND	0.053	EPA 8082A	5-10-21	5-10-21	
Aroclor 1221	ND	0.053	EPA 8082A	5-10-21	5-10-21	
Aroclor 1232	ND	0.053	EPA 8082A	5-10-21	5-10-21	
Aroclor 1242	ND	0.053	EPA 8082A	5-10-21	5-10-21	
Aroclor 1248	ND	0.053	EPA 8082A	5-10-21	5-10-21	
Aroclor 1254	ND	0.053	EPA 8082A	5-10-21	5-10-21	
Aroclor 1260	ND	0.053	EPA 8082A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	91	54-135				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-30-30					
Laboratory ID:	05-069-04					
Aroclor 1016	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1221	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1232	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1242	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1248	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1254	ND	0.056	EPA 8082A	5-10-21	5-10-21	
Aroclor 1260	ND	0.056	EPA 8082A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	83	54-135				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-27-25					
Laboratory ID:	05-069-01					
alpha-BHC	ND	5.5	EPA 8081B	5-10-21	5-10-21	
gamma-BHC (Lindane)	ND	5.5	EPA 8081B	5-10-21	5-10-21	
beta-BHC	ND	5.5	EPA 8081B	5-10-21	5-10-21	
delta-BHC	ND	5.5	EPA 8081B	5-10-21	5-10-21	
Heptachlor	ND	5.5	EPA 8081B	5-10-21	5-10-21	
Aldrin	ND	5.5	EPA 8081B	5-10-21	5-10-21	
Heptachlor Epoxide	ND	5.5	EPA 8081B	5-10-21	5-10-21	
gamma-Chlordane	ND	5.5	EPA 8081B	5-10-21	5-10-21	
alpha-Chlordane	ND	11	EPA 8081B	5-10-21	5-10-21	
4,4'-DDE	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan I	ND	5.5	EPA 8081B	5-10-21	5-10-21	
Dieldrin	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin	ND	5.5	EPA 8081B	5-10-21	5-10-21	
4,4'-DDD	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan II	ND	11	EPA 8081B	5-10-21	5-10-21	
4,4'-DDT	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-10-21	5-10-21	
Methoxychlor	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin Ketone	ND	11	EPA 8081B	5-10-21	5-10-21	
Toxaphene	ND	55	EPA 8081B	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	72	30-110				
DCB	93	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-28-28					
Laboratory ID:	05-069-02					
alpha-BHC	ND	5.6	EPA 8081B	5-10-21	5-10-21	
gamma-BHC (Lindane)	ND	5.6	EPA 8081B	5-10-21	5-10-21	
beta-BHC	ND	5.6	EPA 8081B	5-10-21	5-10-21	
delta-BHC	ND	5.6	EPA 8081B	5-10-21	5-10-21	
Heptachlor	ND	5.6	EPA 8081B	5-10-21	5-10-21	
Aldrin	ND	5.6	EPA 8081B	5-10-21	5-10-21	
Heptachlor Epoxide	ND	5.6	EPA 8081B	5-10-21	5-10-21	
gamma-Chlordane	ND	5.6	EPA 8081B	5-10-21	5-10-21	
alpha-Chlordane	ND	11	EPA 8081B	5-10-21	5-10-21	
4,4'-DDE	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan I	ND	5.6	EPA 8081B	5-10-21	5-10-21	
Dieldrin	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin	ND	5.6	EPA 8081B	5-10-21	5-10-21	
4,4'-DDD	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan II	ND	11	EPA 8081B	5-10-21	5-10-21	
4,4'-DDT	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-10-21	5-10-21	
Methoxychlor	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin Ketone	ND	11	EPA 8081B	5-10-21	5-10-21	
Toxaphene	ND	56	EPA 8081B	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	64	30-110				
DCB	81	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-29-25					
Laboratory ID:	05-069-03					
alpha-BHC	ND	5.3	EPA 8081B	5-10-21	5-10-21	
gamma-BHC (Lindane)	ND	5.3	EPA 8081B	5-10-21	5-10-21	
beta-BHC	ND	5.3	EPA 8081B	5-10-21	5-10-21	
delta-BHC	ND	5.3	EPA 8081B	5-10-21	5-10-21	
Heptachlor	ND	5.3	EPA 8081B	5-10-21	5-10-21	
Aldrin	ND	5.3	EPA 8081B	5-10-21	5-10-21	
Heptachlor Epoxide	ND	5.3	EPA 8081B	5-10-21	5-10-21	
gamma-Chlordane	ND	5.3	EPA 8081B	5-10-21	5-10-21	
alpha-Chlordane	ND	11	EPA 8081B	5-10-21	5-10-21	
4,4'-DDE	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan I	ND	5.3	EPA 8081B	5-10-21	5-10-21	
Dieldrin	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin	ND	5.3	EPA 8081B	5-10-21	5-10-21	
4,4'-DDD	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan II	ND	11	EPA 8081B	5-10-21	5-10-21	
4,4'-DDT	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-10-21	5-10-21	
Methoxychlor	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin Ketone	ND	11	EPA 8081B	5-10-21	5-10-21	
Toxaphene	ND	53	EPA 8081B	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	69	30-110				
DCB	89	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-30-30					
Laboratory ID:	05-069-04					
alpha-BHC	ND	5.6	EPA 8081B	5-10-21	5-10-21	
gamma-BHC (Lindane)	ND	5.6	EPA 8081B	5-10-21	5-10-21	
beta-BHC	ND	5.6	EPA 8081B	5-10-21	5-10-21	
delta-BHC	ND	5.6	EPA 8081B	5-10-21	5-10-21	
Heptachlor	ND	5.6	EPA 8081B	5-10-21	5-10-21	
Aldrin	ND	5.6	EPA 8081B	5-10-21	5-10-21	
Heptachlor Epoxide	ND	5.6	EPA 8081B	5-10-21	5-10-21	
gamma-Chlordane	ND	5.6	EPA 8081B	5-10-21	5-10-21	
alpha-Chlordane	ND	11	EPA 8081B	5-10-21	5-10-21	
4,4'-DDE	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan I	ND	5.6	EPA 8081B	5-10-21	5-10-21	
Dieldrin	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin	ND	5.6	EPA 8081B	5-10-21	5-10-21	
4,4'-DDD	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan II	ND	11	EPA 8081B	5-10-21	5-10-21	
4,4'-DDT	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-10-21	5-10-21	
Methoxychlor	ND	11	EPA 8081B	5-10-21	5-10-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-10-21	5-10-21	
Endrin Ketone	ND	11	EPA 8081B	5-10-21	5-10-21	
Toxaphene	ND	56	EPA 8081B	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	64	30-110				
DCB	82	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-27-25					
Laboratory ID:	05-069-01					
Dalapon	ND	200	EPA 8151A	5-10-21	5-10-21	
Dicamba	ND	10	EPA 8151A	5-10-21	5-10-21	
MCPD	ND	1000	EPA 8151A	5-10-21	5-10-21	
MCPA	ND	2600	EPA 8151A	5-10-21	5-10-21	
Dichlorprop	ND	78	EPA 8151A	5-10-21	5-10-21	
2,4-D	ND	10	EPA 8151A	5-10-21	5-10-21	
Pentachlorophenol	ND	5.2	EPA 8151A	5-10-21	5-10-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-10-21	5-10-21	
2,4,5-T	ND	10	EPA 8151A	5-10-21	5-10-21	
2,4-DB	ND	10	EPA 8151A	5-10-21	5-10-21	
Dinoseb	ND	10	EPA 8151A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	53	27-134				
Client ID:	IAEX-28-28					
Laboratory ID:	05-069-02					
Dalapon	ND	210	EPA 8151A	5-10-21	5-10-21	
Dicamba	ND	11	EPA 8151A	5-10-21	5-10-21	
MCPD	ND	1100	EPA 8151A	5-10-21	5-10-21	
MCPA	ND	2600	EPA 8151A	5-10-21	5-10-21	
Dichlorprop	ND	80	EPA 8151A	5-10-21	5-10-21	
2,4-D	ND	11	EPA 8151A	5-10-21	5-10-21	
Pentachlorophenol	ND	5.3	EPA 8151A	5-10-21	5-10-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-10-21	5-10-21	
2,4,5-T	ND	11	EPA 8151A	5-10-21	5-10-21	
2,4-DB	ND	11	EPA 8151A	5-10-21	5-10-21	
Dinoseb	ND	11	EPA 8151A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	47	27-134				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-29-25					
Laboratory ID:	05-069-03					
Dalapon	ND	200	EPA 8151A	5-10-21	5-10-21	
Dicamba	ND	10	EPA 8151A	5-10-21	5-10-21	
MCPD	ND	1000	EPA 8151A	5-10-21	5-10-21	
MCPA	ND	2500	EPA 8151A	5-10-21	5-10-21	
Dichlorprop	ND	75	EPA 8151A	5-10-21	5-10-21	
2,4-D	ND	10	EPA 8151A	5-10-21	5-10-21	
Pentachlorophenol	ND	5.1	EPA 8151A	5-10-21	5-10-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-10-21	5-10-21	
2,4,5-T	ND	10	EPA 8151A	5-10-21	5-10-21	
2,4-DB	ND	10	EPA 8151A	5-10-21	5-10-21	
Dinoseb	ND	10	EPA 8151A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	38	27-134				
Client ID:	IAEX-30-30					
Laboratory ID:	05-069-04					
Dalapon	ND	200	EPA 8151A	5-10-21	5-10-21	
Dicamba	ND	10	EPA 8151A	5-10-21	5-10-21	
MCPD	ND	1000	EPA 8151A	5-10-21	5-10-21	
MCPA	ND	2600	EPA 8151A	5-10-21	5-10-21	
Dichlorprop	ND	79	EPA 8151A	5-10-21	5-10-21	
2,4-D	ND	10	EPA 8151A	5-10-21	5-10-21	
Pentachlorophenol	ND	5.3	EPA 8151A	5-10-21	5-10-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-10-21	5-10-21	
2,4,5-T	ND	11	EPA 8151A	5-10-21	5-10-21	
2,4-DB	ND	11	EPA 8151A	5-10-21	5-10-21	
Dinoseb	ND	11	EPA 8151A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	40	27-134				



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 Project: 6694-002-03 T700

TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-27-25					
Laboratory ID:	05-069-01					
Arsenic	ND	11	EPA 6010D	5-10-21	5-10-21	
Cadmium	ND	0.55	EPA 6010D	5-10-21	5-10-21	
Chromium	26	0.55	EPA 6010D	5-10-21	5-10-21	
Copper	11	1.1	EPA 6010D	5-10-21	5-10-21	
Lead	ND	5.5	EPA 6010D	5-10-21	5-10-21	
Mercury	0.035	0.022	EPA 7471B	5-11-21	5-11-21	
Nickel	44	2.7	EPA 6010D	5-10-21	5-10-21	
Selenium	ND	0.55	EPA 6020B	5-11-21	5-11-21	
Zinc	25	2.7	EPA 6010D	5-10-21	5-10-21	

Client ID:	IAEX-28-28					
Laboratory ID:	05-069-02					
Arsenic	ND	11	EPA 6010D	5-10-21	5-10-21	
Cadmium	ND	0.56	EPA 6010D	5-10-21	5-10-21	
Chromium	24	0.56	EPA 6010D	5-10-21	5-10-21	
Copper	11	1.1	EPA 6010D	5-10-21	5-10-21	
Lead	ND	5.6	EPA 6010D	5-10-21	5-10-21	
Mercury	ND	0.022	EPA 7471B	5-11-21	5-11-21	
Nickel	46	2.8	EPA 6010D	5-10-21	5-10-21	
Selenium	ND	0.56	EPA 6020B	5-11-21	5-11-21	
Zinc	29	2.8	EPA 6010D	5-10-21	5-10-21	

Client ID:	IAEX-29-25					
Laboratory ID:	05-069-03					
Arsenic	ND	11	EPA 6010D	5-10-21	5-10-21	
Cadmium	ND	0.53	EPA 6010D	5-10-21	5-10-21	
Chromium	23	0.53	EPA 6010D	5-10-21	5-10-21	
Copper	9.7	1.1	EPA 6010D	5-10-21	5-10-21	
Lead	ND	5.3	EPA 6010D	5-10-21	5-10-21	
Mercury	ND	0.021	EPA 7471B	5-11-21	5-11-21	
Nickel	41	2.7	EPA 6010D	5-10-21	5-10-21	
Selenium	ND	0.53	EPA 6020B	5-11-21	5-11-21	
Zinc	22	2.7	EPA 6010D	5-10-21	5-10-21	



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-30-30					
Laboratory ID:	05-069-04					
Arsenic	ND	11	EPA 6010D	5-10-21	5-10-21	
Cadmium	ND	0.56	EPA 6010D	5-10-21	5-10-21	
Chromium	26	0.56	EPA 6010D	5-10-21	5-10-21	
Copper	9.1	1.1	EPA 6010D	5-10-21	5-10-21	
Lead	ND	5.6	EPA 6010D	5-10-21	5-10-21	
Mercury	ND	0.022	EPA 7471B	5-11-21	5-11-21	
Nickel	37	2.8	EPA 6010D	5-10-21	5-10-21	
Selenium	ND	0.56	EPA 6020B	5-11-21	5-11-21	
Zinc	25	2.8	EPA 6010D	5-10-21	5-10-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S1					
Gasoline	ND	5.0	NWTPH-Gx	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	101	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-069-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				105	106	66-129		



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-10-21	5-10-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-10-21	5-10-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>108</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0510S1							
	ORIG	DUP						
Diesel Fuel #2	99.1	94.7	NA	NA	NA	NA	5	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				119	114	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Chloromethane	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Bromomethane	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
Chloroethane	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Acetone	ND	0.015	EPA 8260D	5-10-21	5-10-21	
Iodomethane	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Methylene Chloride	ND	0.0066	EPA 8260D	5-10-21	5-10-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	5-10-21	5-10-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
2-Butanone	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Chloroform	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Benzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
2-Chloroethyl Vinyl Ether	ND	0.0065	EPA 8260D	5-10-21	5-10-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
Toluene	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-10-21	5-10-21	
o-Xylene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Styrene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Bromoform	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
Naphthalene	ND	0.0050	EPA 8260D	5-10-21	5-10-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0510S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0402	0.0396	0.0500	0.0500	80	79	71-131	2	19	
Benzene	0.0497	0.0503	0.0500	0.0500	99	101	73-124	1	18	
Trichloroethene	0.0559	0.0551	0.0500	0.0500	112	110	79-130	1	18	
Toluene	0.0475	0.0475	0.0500	0.0500	95	95	76-123	0	18	
Chlorobenzene	0.0456	0.0461	0.0500	0.0500	91	92	78-122	1	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					96	94	74-131			
<i>Toluene-d8</i>					95	95	78-128			
<i>4-Bromofluorobenzene</i>					103	105	71-130			



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Pyridine	ND	0.33	EPA 8270E	5-10-21	5-10-21	
Phenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Aniline	ND	0.17	EPA 8270E	5-10-21	5-10-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-10-21	5-10-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-10-21	5-10-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-10-21	5-10-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Isophorone	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-10-21	5-10-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S1					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
4-Nitrophenol	ND	0.067	EPA 8270E	5-10-21	5-10-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Dibenzofuran	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-10-21	5-10-21	
4-Nitroaniline	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270E	5-10-21	5-10-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-10-21	5-10-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-10-21	5-10-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Carbazole	ND	0.033	EPA 8270E	5-10-21	5-10-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-10-21	5-10-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	80	26 - 109				
Phenol-d6	88	33 - 113				
Nitrobenzene-d5	76	31 - 110				
2-Fluorobiphenyl	86	42 - 107				
2,4,6-Tribromophenol	92	42 - 123				
Terphenyl-d14	83	41 - 115				



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	05-069-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.777	0.872	1.33	1.33	ND	58	66	33 - 105	12	36	
2-Chlorophenol	0.864	0.958	1.33	1.33	ND	65	72	36 - 105	10	38	
1,4-Dichlorobenzene	0.429	0.466	0.667	0.667	ND	64	70	27 - 106	8	40	
n-Nitroso-di-n-propylamine	0.405	0.476	0.667	0.667	ND	61	71	28 - 111	16	35	
1,2,4-Trichlorobenzene	0.454	0.487	0.667	0.667	ND	68	73	37 - 104	7	41	
4-Chloro-3-methylphenol	1.02	1.12	1.33	1.33	ND	77	84	42 - 113	9	25	
Acenaphthene	0.431	0.503	0.667	0.667	ND	65	75	36 - 104	15	23	
4-Nitrophenol	1.35	1.32	1.33	1.33	ND	102	99	22 - 135	2	24	
2,4-Dinitrotoluene	0.528	0.566	0.667	0.667	ND	79	85	25 - 114	7	26	
Pentachlorophenol	1.31	1.36	1.33	1.33	ND	98	102	28 - 135	4	28	
Pyrene	0.526	0.553	0.667	0.667	ND	79	83	29 - 127	5	20	
<i>Surrogate:</i>											
2-Fluorophenol						63	69	26 - 109			
Phenol-d6						68	77	33 - 113			
Nitrobenzene-d5						62	66	31 - 110			
2-Fluorobiphenyl						69	80	42 - 107			
2,4,6-Tribromophenol						86	89	42 - 123			
Terphenyl-d14						75	79	41 - 115			



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S2					
Aroclor 1016	ND	0.050	EPA 8082A	5-10-21	5-10-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-10-21	5-10-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-10-21	5-10-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-10-21	5-10-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-10-21	5-10-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-10-21	5-10-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-10-21	5-10-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	93		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-069-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.511	0.506	0.500	0.500	ND	102	101	62-129	1	15	
Surrogate:											
DCB						89	86	54-135			



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S2					
alpha-BHC	ND	5.0	EPA 8081B	5-10-21	5-10-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-10-21	5-10-21	
beta-BHC	ND	5.0	EPA 8081B	5-10-21	5-10-21	
delta-BHC	ND	5.0	EPA 8081B	5-10-21	5-10-21	
Heptachlor	ND	5.0	EPA 8081B	5-10-21	5-10-21	
Aldrin	ND	5.0	EPA 8081B	5-10-21	5-10-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-10-21	5-10-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-10-21	5-10-21	
alpha-Chlordane	ND	10	EPA 8081B	5-10-21	5-10-21	
4,4'-DDE	ND	10	EPA 8081B	5-10-21	5-10-21	
Endosulfan I	ND	5.0	EPA 8081B	5-10-21	5-10-21	
Dieldrin	ND	10	EPA 8081B	5-10-21	5-10-21	
Endrin	ND	5.0	EPA 8081B	5-10-21	5-10-21	
4,4'-DDD	ND	10	EPA 8081B	5-10-21	5-10-21	
Endosulfan II	ND	10	EPA 8081B	5-10-21	5-10-21	
4,4'-DDT	ND	10	EPA 8081B	5-10-21	5-10-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-10-21	5-10-21	
Methoxychlor	ND	10	EPA 8081B	5-10-21	5-10-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-10-21	5-10-21	
Endrin Ketone	ND	10	EPA 8081B	5-10-21	5-10-21	
Toxaphene	ND	50	EPA 8081B	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>74</i>	<i>30-110</i>				
<i>DCB</i>	<i>99</i>	<i>40-117</i>				



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	05-069-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	73.4	75.2	100	100	ND	73	75	36-123	2	21	
gamma-BHC (Lindane)	76.2	75.9	100	100	ND	76	76	38-121	0	21	
beta-BHC	69.6	69.7	100	100	ND	70	70	31-125	0	21	
delta-BHC	74.4	75.2	100	100	ND	74	75	37-118	1	23	
Heptachlor	92.8	93.6	100	100	ND	93	94	37-123	1	24	
Aldrin	75.1	75.9	100	100	ND	75	76	45-118	1	22	
Heptachlor Epoxide	92.6	93.5	100	100	ND	93	94	46-114	1	22	
gamma-Chlordane	72.7	74.7	100	100	ND	73	75	41-120	3	23	
alpha-Chlordane	68.5	69.7	100	100	ND	68	70	43-118	2	23	
4,4'-DDE	72.2	73.1	100	100	ND	72	73	34-139	1	22	
Endosulfan I	74.5	75.6	100	100	ND	75	76	43-124	1	25	
Dieldrin	92.0	93.7	100	100	ND	92	94	40-128	2	23	
Endrin	97.7	99.3	100	100	ND	98	99	44-120	2	28	
4,4'-DDD	77.1	78.3	100	100	ND	77	78	42-131	2	21	
Endosulfan II	95.0	96.1	100	100	ND	95	96	47-112	1	22	
4,4'-DDT	73.4	74.7	100	100	ND	73	75	29-141	2	32	
Endrin Aldehyde	66.0	65.5	100	100	ND	66	66	41-114	1	22	
Methoxychlor	90.7	91.0	100	100	ND	91	91	31-139	0	23	
Endosulfan Sulfate	73.2	74.3	100	100	ND	73	74	48-112	1	21	
Endrin Ketone	73.7	75.6	100	100	ND	74	76	46-117	3	22	
Surrogate:											
TCMX						68	67	30-110			
DCB						83	84	40-117			



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S1					
Dalapon	ND	180	EPA 8151A	5-10-21	5-10-21	
Dicamba	ND	9.4	EPA 8151A	5-10-21	5-10-21	
MCPPE	ND	940	EPA 8151A	5-10-21	5-10-21	
MCPA	ND	2300	EPA 8151A	5-10-21	5-10-21	
Dichlorprop	ND	71	EPA 8151A	5-10-21	5-10-21	
2,4-D	ND	9.4	EPA 8151A	5-10-21	5-10-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-10-21	5-10-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-10-21	5-10-21	
2,4,5-T	ND	9.5	EPA 8151A	5-10-21	5-10-21	
2,4-DB	ND	9.5	EPA 8151A	5-10-21	5-10-21	
Dinoseb	ND	9.5	EPA 8151A	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	43	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0510S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	725	842	1250	1250	N/A	58	67	10-68 15 38
Dicamba	218	219	250	250	N/A	87	88	52-101 0 18
MCPPE	17700	17600	25000	25000	N/A	71	71	63-105 1 21
MCPA	16700	16300	25000	25000	N/A	67	65	45-107 2 21
Dichlorprop	204	212	250	250	N/A	82	85	54-106 4 18
2,4-D	214	211	250	250	N/A	86	84	33-95 1 25
Pentachlorophenol	24.4	25.9	25.0	25.0	N/A	98	104	48-125 6 20
2,4,5-TP (Silvex)	226	234	250	250	N/A	91	94	62-115 3 17
2,4,5-T	228	233	250	250	N/A	91	93	48-108 2 21
2,4-DB	230	254	250	250	N/A	92	102	45-114 10 23
Dinoseb	199	223	250	250	N/A	80	89	51-124 11 27
<i>Surrogate:</i>								
DCAA						94	97	27-134



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

TOTAL METALS
EPA 6010D/6020B/7471B
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB05010SM3					
Arsenic	ND	10	EPA 6010D	5-10-21	5-10-21	
Cadmium	ND	0.50	EPA 6010D	5-10-21	5-10-21	
Chromium	ND	0.50	EPA 6010D	5-10-21	5-10-21	
Copper	ND	1.0	EPA 6010D	5-10-21	5-10-21	
Lead	ND	5.0	EPA 6010D	5-10-21	5-10-21	
Nickel	ND	2.5	EPA 6010D	5-10-21	5-10-21	
Zinc	ND	2.5	EPA 6010D	5-10-21	5-10-21	
<hr/>						
Laboratory ID:	MB0511SM1					
Selenium	ND	0.50	EPA 6020B	5-11-21	5-11-21	
<hr/>						
Laboratory ID:	MB0511S1					
Mercury	ND	0.020	EPA 7471B	5-11-21	5-11-21	



Date of Report: May 11, 2021
 Samples Submitted: May 7, 2021
 Laboratory Reference: 2105-069
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	05-069-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	24.0	25.2	NA	NA		NA	NA	5	20	
Copper	10.5	10.4	NA	NA		NA	NA	0	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	40.4	41.3	NA	NA		NA	NA	2	20	
Zinc	23.0	23.8	NA	NA		NA	NA	4	20	

Laboratory ID:	05-069-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	05-069-01									
Mercury	0.0317	0.0285	NA	NA		NA	NA	11	20	

MATRIX SPIKES

Laboratory ID:	05-069-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	94.3	93.4	100	100	ND	94	93	75-125	1	20
Cadmium	43.3	43.0	50.0	50.0	ND	87	86	75-125	1	20
Chromium	121	120	100	100	24.0	97	96	75-125	1	20
Copper	55.5	54.5	50.0	50.0	10.5	90	88	75-125	2	20
Lead	225	223	250	250	ND	90	89	75-125	1	20
Nickel	132	131	100	100	40.4	91	91	75-125	1	20
Zinc	114	112	100	100	23.0	91	89	75-125	1	20

Laboratory ID:	05-069-01									
Selenium	86.8	87.0	100	100	ND	87	87	75-125	0	20

Laboratory ID:	05-069-01									
Mercury	0.499	0.525	0.500	0.500	0.0317	94	99	80-120	5	20



Date of Report: May 11, 2021
Samples Submitted: May 7, 2021
Laboratory Reference: 2105-069
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-27-25	05-069-01	9	5-10-21
IAEX-28-28	05-069-02	11	5-10-21
IAEX-29-25	05-069-03	6	5-10-21
IAEX-30-30	05-069-04	10	5-10-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)
 (Check One)

Laboratory Number: **05-069**

Company: GeoEngineers

Project Number: 6694-002-03 T700

Project Name: Go East Corp Landfill Site

Project Manager: Rob Leet

Sampled by: Paul Robinette

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

_____ (other)

Lab ID Sample Identification

Number of Containers

Sample ID	Date Sampled	Time Sampled	Matrix	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL METALS *	% Moisture
1	5/7/21	1020	S			X	X	X			X		X	X	X	X					X	
2		1020	S			X	X	X			X		X	X	X	X					X	
3		1030	S			X	X	X			X		X	X	X	X					X	
4		1035	S			X	X	X			X		X	X	X	X					X	

Signature: *Paul Robinette* Company: *GEI*

Received: *RJM* Date: *5/7/21* Time: *2:50*

Received: *RJM* Date: *5/12/21* Time: *2:50*

Received: *RJM* Date: *5/12/21* Time: *3:30*

Received: *RJM* Date: *5/12/21* Time: *1530*

Received: _____

Reviewed/Date: _____

Comments/Special Instructions
 *Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc
 **PCBs as Aroclors

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 13, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-085

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 10, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 13, 2021
Samples Submitted: May 10, 2021
Laboratory Reference: 2105-085
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 10, 2021 and received by the laboratory on May 10, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 13, 2021
Samples Submitted: May 10, 2021
Laboratory Reference: 2105-085
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-31-3	05-085-01	Soil	5-10-21	5-10-21	
IAEX-32-5	05-085-02	Soil	5-10-21	5-10-21	



Date of Report: May 13, 2021
 Samples Submitted: May 10, 2021
 Laboratory Reference: 2105-085
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-31-3					
Laboratory ID:	05-085-01					
Gasoline	ND	5.9	NWTPH-Gx	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-129				
Client ID:	IAEX-32-5					
Laboratory ID:	05-085-02					
Gasoline	ND	5.2	NWTPH-Gx	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-129				



Date of Report: May 13, 2021
 Samples Submitted: May 10, 2021
 Laboratory Reference: 2105-085
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-31-3					
Laboratory ID:	05-085-01					
Diesel Range Organics	ND	27	NWTPH-Dx	5-11-21	5-11-21	X1
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-11-21	5-11-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	105	50-150				
Client ID:	IAEX-32-5					
Laboratory ID:	05-085-02					
Diesel Range Organics	ND	27	NWTPH-Dx	5-11-21	5-11-21	X1
Lube Oil Range Organics	ND	53	NWTPH-Dx	5-11-21	5-11-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				



Date of Report: May 13, 2021
 Samples Submitted: May 10, 2021
 Laboratory Reference: 2105-085
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-31-3					
Laboratory ID:	05-085-01					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Chloromethane	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Bromomethane	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
Chloroethane	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Acetone	ND	0.011	EPA 8260D	5-11-21	5-11-21	
Iodomethane	ND	0.0097	EPA 8260D	5-11-21	5-11-21	
Carbon Disulfide	ND	0.0016	EPA 8260D	5-11-21	5-11-21	
Methylene Chloride	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Vinyl Acetate	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
2-Butanone	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Chloroform	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Benzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Methyl Isobutyl Ketone	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
Toluene	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-31-3					
Laboratory ID:	05-085-01					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
2-Hexanone	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
m,p-Xylene	ND	0.0022	EPA 8260D	5-11-21	5-11-21	
o-Xylene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Styrene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Bromoform	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
Hexachlorobutadiene	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
Naphthalene	ND	0.0054	EPA 8260D	5-11-21	5-11-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-11-21	5-11-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-32-5					
Laboratory ID:	05-085-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Chloromethane	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Bromomethane	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
Chloroethane	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Acetone	ND	0.012	EPA 8260D	5-11-21	5-11-21	
Iodomethane	ND	0.011	EPA 8260D	5-11-21	5-11-21	
Carbon Disulfide	ND	0.0018	EPA 8260D	5-11-21	5-11-21	
Methylene Chloride	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Vinyl Acetate	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
2-Butanone	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Chloroform	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Benzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Methyl Isobutyl Ketone	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
Toluene	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-32-5					
Laboratory ID:	05-085-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
2-Hexanone	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
m,p-Xylene	ND	0.0023	EPA 8260D	5-11-21	5-11-21	
o-Xylene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Styrene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Bromoform	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
1,2-Dibromo-3-chloropropane	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
Hexachlorobutadiene	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
Naphthalene	ND	0.0058	EPA 8260D	5-11-21	5-11-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-11-21	5-11-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



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 Laboratory Reference: 2105-085
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-31-3					
Laboratory ID:	05-085-01					
n-Nitrosodimethylamine	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Pyridine	ND	0.36	EPA 8270E	5-12-21	5-12-21	
Phenol	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Aniline	ND	0.18	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroethyl)ether	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2-Chlorophenol	ND	0.036	EPA 8270E	5-12-21	5-12-21	
1,3-Dichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
1,4-Dichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Benzyl alcohol	ND	0.036	EPA 8270E	5-12-21	5-12-21	
1,2-Dichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2-Methylphenol (o-Cresol)	ND	0.036	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroisopropyl)ether	ND	0.036	EPA 8270E	5-12-21	5-12-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.036	EPA 8270E	5-12-21	5-12-21	
n-Nitroso-di-n-propylamine	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Hexachloroethane	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Nitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Isophorone	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2-Nitrophenol	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2,4-Dimethylphenol	ND	0.036	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroethoxy)methane	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2,4-Dichlorophenol	ND	0.036	EPA 8270E	5-12-21	5-12-21	
1,2,4-Trichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Naphthalene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Hexachlorobutadiene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
4-Chloro-3-methylphenol	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
1-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
Hexachlorocyclopentadiene	ND	0.051	EPA 8270E	5-12-21	5-12-21	
2,4,6-Trichlorophenol	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2,3-Dichloroaniline	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2,4,5-Trichlorophenol	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2-Chloronaphthalene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2-Nitroaniline	ND	0.036	EPA 8270E	5-12-21	5-12-21	
1,4-Dinitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Dimethylphthalate	ND	0.036	EPA 8270E	5-12-21	5-12-21	
1,3-Dinitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2,6-Dinitrotoluene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
1,2-Dinitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Acenaphthylene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
3-Nitroaniline	ND	0.036	EPA 8270E	5-12-21	5-12-21	



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 Project: 6694-002-03 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-31-3					
Laboratory ID:	05-085-01					
2,4-Dinitrophenol	ND	0.28	EPA 8270E	5-12-21	5-12-21	
Acenaphthene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
4-Nitrophenol	ND	0.048	EPA 8270E	5-12-21	5-12-21	
2,4-Dinitrotoluene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Dibenzofuran	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2,3,5,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-12-21	5-12-21	
2,3,4,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
4-Chlorophenyl-phenylether	ND	0.036	EPA 8270E	5-12-21	5-12-21	
4-Nitroaniline	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Fluorene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
4,6-Dinitro-2-methylphenol	ND	0.24	EPA 8270E	5-12-21	5-12-21	
n-Nitrosodiphenylamine	ND	0.036	EPA 8270E	5-12-21	5-12-21	
1,2-Diphenylhydrazine	ND	0.036	EPA 8270E	5-12-21	5-12-21	
4-Bromophenyl-phenylether	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Hexachlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Phenanthrene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
Anthracene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
Carbazole	ND	0.036	EPA 8270E	5-12-21	5-12-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Fluoranthene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
Pyrene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Benzo[a]anthracene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
Chrysene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Benzo[b]fluoranthene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo(j,k)fluoranthene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo[a]pyrene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
Indeno[1,2,3-cd]pyrene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
Dibenz[a,h]anthracene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo[g,h,i]perylene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>86</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>90</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>79</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>89</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>92</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>80</i>	<i>41 - 115</i>				



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-32-5					
Laboratory ID:	05-085-02					
n-Nitrosodimethylamine	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Pyridine	ND	0.35	EPA 8270E	5-12-21	5-12-21	
Phenol	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Aniline	ND	0.18	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroethyl)ether	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2-Chlorophenol	ND	0.035	EPA 8270E	5-12-21	5-12-21	
1,3-Dichlorobenzene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
1,4-Dichlorobenzene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Benzyl alcohol	ND	0.035	EPA 8270E	5-12-21	5-12-21	
1,2-Dichlorobenzene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2-Methylphenol (o-Cresol)	ND	0.035	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroisopropyl)ether	ND	0.035	EPA 8270E	5-12-21	5-12-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.035	EPA 8270E	5-12-21	5-12-21	
n-Nitroso-di-n-propylamine	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Hexachloroethane	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Nitrobenzene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Isophorone	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2-Nitrophenol	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2,4-Dimethylphenol	ND	0.035	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroethoxy)methane	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2,4-Dichlorophenol	ND	0.035	EPA 8270E	5-12-21	5-12-21	
1,2,4-Trichlorobenzene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Naphthalene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Hexachlorobutadiene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
4-Chloro-3-methylphenol	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2-Methylnaphthalene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
1-Methylnaphthalene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
Hexachlorocyclopentadiene	ND	0.050	EPA 8270E	5-12-21	5-12-21	
2,4,6-Trichlorophenol	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2,3-Dichloroaniline	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2,4,5-Trichlorophenol	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2-Chloronaphthalene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2-Nitroaniline	ND	0.035	EPA 8270E	5-12-21	5-12-21	
1,4-Dinitrobenzene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Dimethylphthalate	ND	0.035	EPA 8270E	5-12-21	5-12-21	
1,3-Dinitrobenzene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2,6-Dinitrotoluene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
1,2-Dinitrobenzene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Acenaphthylene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
3-Nitroaniline	ND	0.035	EPA 8270E	5-12-21	5-12-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-32-5					
Laboratory ID:	05-085-02					
2,4-Dinitrophenol	ND	0.28	EPA 8270E	5-12-21	5-12-21	
Acenaphthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
4-Nitrophenol	ND	0.047	EPA 8270E	5-12-21	5-12-21	
2,4-Dinitrotoluene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Dibenzofuran	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2,3,5,6-Tetrachlorophenol	ND	0.035	EPA 8270E	5-12-21	5-12-21	
2,3,4,6-Tetrachlorophenol	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
4-Chlorophenyl-phenylether	ND	0.035	EPA 8270E	5-12-21	5-12-21	
4-Nitroaniline	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Fluorene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
4,6-Dinitro-2-methylphenol	ND	0.24	EPA 8270E	5-12-21	5-12-21	
n-Nitrosodiphenylamine	ND	0.035	EPA 8270E	5-12-21	5-12-21	
1,2-Diphenylhydrazine	ND	0.035	EPA 8270E	5-12-21	5-12-21	
4-Bromophenyl-phenylether	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Hexachlorobenzene	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Phenanthrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
Anthracene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
Carbazole	ND	0.035	EPA 8270E	5-12-21	5-12-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Fluoranthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
Pyrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Benzo[a]anthracene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
Chrysene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-12-21	5-12-21	
Benzo[b]fluoranthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo(j,k)fluoranthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo[a]pyrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
Indeno[1,2,3-cd]pyrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
Dibenz[a,h]anthracene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo[g,h,i]perylene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>80</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>84</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>77</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>88</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>91</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>84</i>	<i>41 - 115</i>				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-31-3					
Laboratory ID:	05-085-01					
Aroclor 1016	ND	0.054	EPA 8082A	5-11-21	5-11-21	
Aroclor 1221	ND	0.054	EPA 8082A	5-11-21	5-11-21	
Aroclor 1232	ND	0.054	EPA 8082A	5-11-21	5-11-21	
Aroclor 1242	ND	0.054	EPA 8082A	5-11-21	5-11-21	
Aroclor 1248	ND	0.054	EPA 8082A	5-11-21	5-11-21	
Aroclor 1254	ND	0.054	EPA 8082A	5-11-21	5-11-21	
Aroclor 1260	ND	0.054	EPA 8082A	5-11-21	5-11-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	85	54-135				
Client ID:	IAEX-32-5					
Laboratory ID:	05-085-02					
Aroclor 1016	ND	0.053	EPA 8082A	5-11-21	5-11-21	
Aroclor 1221	ND	0.053	EPA 8082A	5-11-21	5-11-21	
Aroclor 1232	ND	0.053	EPA 8082A	5-11-21	5-11-21	
Aroclor 1242	ND	0.053	EPA 8082A	5-11-21	5-11-21	
Aroclor 1248	ND	0.053	EPA 8082A	5-11-21	5-11-21	
Aroclor 1254	ND	0.053	EPA 8082A	5-11-21	5-11-21	
Aroclor 1260	ND	0.053	EPA 8082A	5-11-21	5-11-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	86	54-135				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-31-3					
Laboratory ID:	05-085-01					
alpha-BHC	ND	5.4	EPA 8081B	5-11-21	5-11-21	
gamma-BHC (Lindane)	ND	5.4	EPA 8081B	5-11-21	5-11-21	
beta-BHC	ND	5.4	EPA 8081B	5-11-21	5-11-21	
delta-BHC	ND	5.4	EPA 8081B	5-11-21	5-11-21	
Heptachlor	ND	5.4	EPA 8081B	5-11-21	5-11-21	
Aldrin	ND	5.4	EPA 8081B	5-11-21	5-11-21	
Heptachlor Epoxide	ND	5.4	EPA 8081B	5-11-21	5-11-21	
gamma-Chlordane	ND	5.4	EPA 8081B	5-11-21	5-11-21	
alpha-Chlordane	ND	11	EPA 8081B	5-11-21	5-11-21	
4,4'-DDE	ND	11	EPA 8081B	5-11-21	5-11-21	
Endosulfan I	ND	5.4	EPA 8081B	5-11-21	5-11-21	
Dieldrin	ND	11	EPA 8081B	5-11-21	5-11-21	
Endrin	ND	5.4	EPA 8081B	5-11-21	5-11-21	
4,4'-DDD	ND	11	EPA 8081B	5-11-21	5-11-21	
Endosulfan II	ND	11	EPA 8081B	5-11-21	5-11-21	
4,4'-DDT	ND	11	EPA 8081B	5-11-21	5-11-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-11-21	5-11-21	
Methoxychlor	ND	11	EPA 8081B	5-11-21	5-11-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-11-21	5-11-21	
Endrin Ketone	ND	11	EPA 8081B	5-11-21	5-11-21	
Toxaphene	ND	54	EPA 8081B	5-11-21	5-11-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	67	30-110				
DCB	89	40-117				



Date of Report: May 13, 2021
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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-32-5					
Laboratory ID:	05-085-02					
alpha-BHC	ND	5.3	EPA 8081B	5-11-21	5-11-21	
gamma-BHC (Lindane)	ND	5.3	EPA 8081B	5-11-21	5-11-21	
beta-BHC	ND	5.3	EPA 8081B	5-11-21	5-11-21	
delta-BHC	ND	5.3	EPA 8081B	5-11-21	5-11-21	
Heptachlor	ND	5.3	EPA 8081B	5-11-21	5-11-21	
Aldrin	ND	5.3	EPA 8081B	5-11-21	5-11-21	
Heptachlor Epoxide	ND	5.3	EPA 8081B	5-11-21	5-11-21	
gamma-Chlordane	ND	5.3	EPA 8081B	5-11-21	5-11-21	
alpha-Chlordane	ND	11	EPA 8081B	5-11-21	5-11-21	
4,4'-DDE	ND	11	EPA 8081B	5-11-21	5-11-21	
Endosulfan I	ND	5.3	EPA 8081B	5-11-21	5-11-21	
Dieldrin	ND	11	EPA 8081B	5-11-21	5-11-21	
Endrin	ND	5.3	EPA 8081B	5-11-21	5-11-21	
4,4'-DDD	ND	11	EPA 8081B	5-11-21	5-11-21	
Endosulfan II	ND	11	EPA 8081B	5-11-21	5-11-21	
4,4'-DDT	ND	11	EPA 8081B	5-11-21	5-11-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-11-21	5-11-21	
Methoxychlor	ND	11	EPA 8081B	5-11-21	5-11-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-11-21	5-11-21	
Endrin Ketone	ND	11	EPA 8081B	5-11-21	5-11-21	
Toxaphene	ND	53	EPA 8081B	5-11-21	5-11-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	73	30-110				
DCB	94	40-117				



Date of Report: May 13, 2021
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 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-31-3					
Laboratory ID:	05-085-01					
Dalapon	ND	200	EPA 8151A	5-12-21	5-12-21	
Dicamba	ND	10	EPA 8151A	5-12-21	5-12-21	
MCPD	ND	1000	EPA 8151A	5-12-21	5-12-21	
MCPA	ND	2500	EPA 8151A	5-12-21	5-12-21	
Dichlorprop	ND	76	EPA 8151A	5-12-21	5-12-21	
2,4-D	ND	10	EPA 8151A	5-12-21	5-12-21	
Pentachlorophenol	ND	5.1	EPA 8151A	5-12-21	5-12-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-12-21	5-12-21	
2,4,5-T	ND	10	EPA 8151A	5-12-21	5-12-21	
2,4-DB	ND	10	EPA 8151A	5-12-21	5-12-21	
Dinoseb	ND	10	EPA 8151A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	80	27-134				
Client ID:	IAEX-32-5					
Laboratory ID:	05-085-02					
Dalapon	ND	200	EPA 8151A	5-12-21	5-12-21	
Dicamba	ND	10	EPA 8151A	5-12-21	5-12-21	
MCPD	ND	1000	EPA 8151A	5-12-21	5-12-21	
MCPA	ND	2500	EPA 8151A	5-12-21	5-12-21	
Dichlorprop	ND	75	EPA 8151A	5-12-21	5-12-21	
2,4-D	ND	10	EPA 8151A	5-12-21	5-12-21	
Pentachlorophenol	ND	5.1	EPA 8151A	5-12-21	5-12-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-12-21	5-12-21	
2,4,5-T	ND	10	EPA 8151A	5-12-21	5-12-21	
2,4-DB	ND	10	EPA 8151A	5-12-21	5-12-21	
Dinoseb	ND	10	EPA 8151A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	90	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-31-3					
Laboratory ID:	05-085-01					
Arsenic	ND	11	EPA 6010D	5-11-21	5-11-21	
Cadmium	ND	0.54	EPA 6010D	5-11-21	5-11-21	
Chromium	34	0.54	EPA 6010D	5-11-21	5-11-21	
Copper	12	1.1	EPA 6010D	5-11-21	5-11-21	
Lead	8.3	5.4	EPA 6010D	5-11-21	5-11-21	
Mercury	0.026	0.022	EPA 7471B	5-11-21	5-11-21	
Nickel	67	2.7	EPA 6010D	5-11-21	5-11-21	
Selenium	ND	0.54	EPA 6020B	5-11-21	5-11-21	
Zinc	30	2.7	EPA 6010D	5-11-21	5-11-21	

Client ID:	IAEX-32-5					
Laboratory ID:	05-085-02					
Arsenic	ND	11	EPA 6010D	5-11-21	5-11-21	
Cadmium	ND	0.53	EPA 6010D	5-11-21	5-11-21	
Chromium	29	0.53	EPA 6010D	5-11-21	5-11-21	
Copper	9.7	1.1	EPA 6010D	5-11-21	5-11-21	
Lead	ND	5.3	EPA 6010D	5-11-21	5-11-21	
Mercury	ND	0.021	EPA 7471B	5-11-21	5-11-21	
Nickel	44	2.7	EPA 6010D	5-11-21	5-11-21	
Selenium	ND	0.53	EPA 6020B	5-11-21	5-11-21	
Zinc	25	2.7	EPA 6010D	5-11-21	5-11-21	



Date of Report: May 13, 2021
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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S1					
Gasoline	ND	5.0	NWTPH-Gx	5-10-21	5-10-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	101	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-069-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				105	106	66-129		



Date of Report: May 13, 2021
 Samples Submitted: May 10, 2021
 Laboratory Reference: 2105-085
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0511S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-11-21	5-11-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-11-21	5-11-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>104</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0511S1							
	ORIG	DUP						
Diesel Fuel #2	93.8	89.9	NA	NA	NA	NA	4	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				114	107	50-150		



Date of Report: May 13, 2021
 Samples Submitted: May 10, 2021
 Laboratory Reference: 2105-085
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0511S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Chloromethane	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Bromomethane	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
Chloroethane	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Acetone	ND	0.010	EPA 8260D	5-11-21	5-11-21	
Iodomethane	ND	0.0090	EPA 8260D	5-11-21	5-11-21	
Carbon Disulfide	ND	0.0015	EPA 8260D	5-11-21	5-11-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
2-Butanone	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Chloroform	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Benzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
Toluene	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0511S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-11-21	5-11-21	
o-Xylene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Styrene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Bromoform	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
Naphthalene	ND	0.0050	EPA 8260D	5-11-21	5-11-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-11-21	5-11-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-130</i>				



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 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0511S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0519	0.0505	0.0500	0.0500	104	101	71-131	3	19	
Benzene	0.0521	0.0503	0.0500	0.0500	104	101	73-124	4	18	
Trichloroethene	0.0562	0.0546	0.0500	0.0500	112	109	79-130	3	18	
Toluene	0.0532	0.0511	0.0500	0.0500	106	102	76-123	4	18	
Chlorobenzene	0.0534	0.0518	0.0500	0.0500	107	104	78-122	3	18	
<i>Surrogate:</i>										
Dibromofluoromethane					101	99	74-131			
Toluene-d8					99	99	78-128			
4-Bromofluorobenzene					103	106	71-130			



Date of Report: May 13, 2021
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 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Pyridine	ND	0.33	EPA 8270E	5-12-21	5-12-21	
Phenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Aniline	ND	0.17	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-12-21	5-12-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-12-21	5-12-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Isophorone	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Hexachlorocyclopentadiene	ND	0.047	EPA 8270E	5-12-21	5-12-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-12-21	5-12-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
2,4-Dinitrophenol	ND	0.26	EPA 8270E	5-12-21	5-12-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
4-Nitrophenol	ND	0.044	EPA 8270E	5-12-21	5-12-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Dibenzofuran	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-12-21	5-12-21	
4-Nitroaniline	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
4,6-Dinitro-2-methylphenol	ND	0.23	EPA 8270E	5-12-21	5-12-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-12-21	5-12-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Carbazole	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	76	26 - 109				
Phenol-d6	82	33 - 113				
Nitrobenzene-d5	72	31 - 110				
2-Fluorobiphenyl	86	42 - 107				
2,4,6-Tribromophenol	90	42 - 123				
Terphenyl-d14	80	41 - 115				



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 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-085-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.884	0.913	1.33	1.33	ND	66	69	33 - 105	3	36	
2-Chlorophenol	1.08	1.09	1.33	1.33	ND	81	82	36 - 105	1	38	
1,4-Dichlorobenzene	0.534	0.528	0.667	0.667	ND	80	79	27 - 106	1	40	
n-Nitroso-di-n-propylamine	0.473	0.481	0.667	0.667	ND	71	72	28 - 111	2	35	
1,2,4-Trichlorobenzene	0.557	0.572	0.667	0.667	ND	84	86	37 - 104	3	41	
4-Chloro-3-methylphenol	1.03	1.10	1.33	1.33	ND	77	83	42 - 113	7	25	
Acenaphthene	0.483	0.510	0.667	0.667	ND	72	76	36 - 104	5	23	
4-Nitrophenol	1.00	1.17	1.33	1.33	ND	75	88	22 - 135	16	24	
2,4-Dinitrotoluene	0.538	0.579	0.667	0.667	ND	81	87	25 - 114	7	26	
Pentachlorophenol	1.05	1.20	1.33	1.33	ND	79	90	28 - 135	13	28	
Pyrene	0.516	0.550	0.667	0.667	ND	77	82	29 - 127	6	20	
<i>Surrogate:</i>											
2-Fluorophenol						77	77	26 - 109			
Phenol-d6						78	81	33 - 113			
Nitrobenzene-d5						70	72	31 - 110			
2-Fluorobiphenyl						80	84	42 - 107			
2,4,6-Tribromophenol						85	94	42 - 123			
Terphenyl-d14						77	79	41 - 115			



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 Samples Submitted: May 10, 2021
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 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0511S1					
Aroclor 1016	ND	0.050	EPA 8082A	5-11-21	5-11-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-11-21	5-11-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-11-21	5-11-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-11-21	5-11-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-11-21	5-11-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-11-21	5-11-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-11-21	5-11-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	92		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-085-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.403	0.375	0.500	0.500	ND	81	75	62-129	7	15	
<i>Surrogate:</i>											
DCB						86	78	54-135			



Date of Report: May 13, 2021
 Samples Submitted: May 10, 2021
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 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0511S1					
alpha-BHC	ND	5.0	EPA 8081B	5-11-21	5-11-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-11-21	5-11-21	
beta-BHC	ND	5.0	EPA 8081B	5-11-21	5-11-21	
delta-BHC	ND	5.0	EPA 8081B	5-11-21	5-11-21	
Heptachlor	ND	5.0	EPA 8081B	5-11-21	5-11-21	
Aldrin	ND	5.0	EPA 8081B	5-11-21	5-11-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-11-21	5-11-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-11-21	5-11-21	
alpha-Chlordane	ND	10	EPA 8081B	5-11-21	5-11-21	
4,4'-DDE	ND	10	EPA 8081B	5-11-21	5-11-21	
Endosulfan I	ND	5.0	EPA 8081B	5-11-21	5-11-21	
Dieldrin	ND	10	EPA 8081B	5-11-21	5-11-21	
Endrin	ND	5.0	EPA 8081B	5-11-21	5-11-21	
4,4'-DDD	ND	10	EPA 8081B	5-11-21	5-11-21	
Endosulfan II	ND	10	EPA 8081B	5-11-21	5-11-21	
4,4'-DDT	ND	10	EPA 8081B	5-11-21	5-11-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-11-21	5-11-21	
Methoxychlor	ND	10	EPA 8081B	5-11-21	5-11-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-11-21	5-11-21	
Endrin Ketone	ND	10	EPA 8081B	5-11-21	5-11-21	
Toxaphene	ND	50	EPA 8081B	5-11-21	5-11-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	73	30-110				
DCB	97	40-117				



Date of Report: May 13, 2021
 Samples Submitted: May 10, 2021
 Laboratory Reference: 2105-085
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	05-085-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	78.8	73.8	100	100	ND	79	74	36-123	7	21	
gamma-BHC (Lindane)	82.6	76.7	100	100	ND	83	77	38-121	7	21	
beta-BHC	73.0	66.5	100	100	ND	73	67	31-125	9	21	
delta-BHC	80.2	74.3	100	100	ND	80	74	37-118	8	23	
Heptachlor	98.6	91.3	100	100	ND	99	91	37-123	8	24	
Aldrin	81.8	75.8	100	100	ND	82	76	45-118	8	22	
Heptachlor Epoxide	100	91.8	100	100	ND	100	92	46-114	9	22	
gamma-Chlordane	82.4	75.2	100	100	ND	82	75	41-120	9	23	
alpha-Chlordane	75.9	69.4	100	100	ND	76	69	43-118	9	23	
4,4'-DDE	82.1	74.4	100	100	ND	82	74	34-139	10	22	
Endosulfan I	80.7	73.7	100	100	ND	81	74	43-124	9	25	
Dieldrin	101	91.5	100	100	ND	101	91	40-128	10	23	
Endrin	106	96.9	100	100	ND	106	97	44-120	9	28	
4,4'-DDD	84.8	77.1	100	100	ND	85	77	42-131	10	21	
Endosulfan II	105	94.9	100	100	ND	105	95	47-112	10	22	
4,4'-DDT	82.8	74.7	100	100	ND	83	75	29-141	10	32	
Endrin Aldehyde	71.1	65.0	100	100	ND	71	65	41-114	9	22	
Methoxychlor	97.3	88.7	100	100	ND	97	89	31-139	9	23	
Endosulfan Sulfate	80.6	73.4	100	100	ND	81	73	48-112	9	21	
Endrin Ketone	80.3	73.5	100	100	ND	80	74	46-117	9	22	
Surrogate:											
TCMX						75	70	30-110			
DCB						99	87	40-117			



Date of Report: May 13, 2021
 Samples Submitted: May 10, 2021
 Laboratory Reference: 2105-085
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
Dalapon	ND	180	EPA 8151A	5-12-21	5-12-21	
Dicamba	ND	9.4	EPA 8151A	5-12-21	5-12-21	
MCPPE	ND	940	EPA 8151A	5-12-21	5-12-21	
MCPA	ND	2300	EPA 8151A	5-12-21	5-12-21	
Dichlorprop	ND	71	EPA 8151A	5-12-21	5-12-21	
2,4-D	ND	9.4	EPA 8151A	5-12-21	5-12-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-12-21	5-12-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-12-21	5-12-21	
2,4,5-T	ND	9.5	EPA 8151A	5-12-21	5-12-21	
2,4-DB	ND	9.5	EPA 8151A	5-12-21	5-12-21	
Dinoseb	ND	9.5	EPA 8151A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	77	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0512S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	672	681	1250	1250	N/A	54	54	10-68 1 38
Dicamba	235	236	250	250	N/A	94	95	52-101 0 18
MCPPE	18700	18900	25000	25000	N/A	75	76	63-105 1 21
MCPA	19500	19100	25000	25000	N/A	78	76	45-107 2 21
Dichlorprop	213	213	250	250	N/A	85	85	54-106 0 18
2,4-D	197	202	250	250	N/A	79	81	33-95 3 25
Pentachlorophenol	22.1	22.5	25.0	25.0	N/A	88	90	48-125 2 20
2,4,5-TP (Silvex)	241	247	250	250	N/A	96	99	62-115 2 17
2,4,5-T	230	234	250	250	N/A	92	94	48-108 2 21
2,4-DB	204	208	250	250	N/A	82	83	45-114 2 23
Dinoseb	209	219	250	250	N/A	84	88	51-124 5 27
<i>Surrogate:</i>								
DCAA						99	96	27-134



Date of Report: May 13, 2021
 Samples Submitted: May 10, 2021
 Laboratory Reference: 2105-085
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0511SM4					
Arsenic	ND	10	EPA 6010D	5-11-21	5-11-21	
Cadmium	ND	0.50	EPA 6010D	5-11-21	5-11-21	
Chromium	ND	0.50	EPA 6010D	5-11-21	5-11-21	
Copper	ND	1.0	EPA 6010D	5-11-21	5-11-21	
Lead	ND	5.0	EPA 6010D	5-11-21	5-11-21	
Nickel	ND	2.5	EPA 6010D	5-11-21	5-11-21	
Zinc	ND	2.5	EPA 6010D	5-11-21	5-11-21	
Laboratory ID:	MB0511SM1					
Selenium	ND	0.50	EPA 6020B	5-11-21	5-11-21	
Laboratory ID:	MB0511S1					
Mercury	ND	0.020	EPA 7471B	5-11-21	5-11-21	



Date of Report: May 13, 2021
 Samples Submitted: May 10, 2021
 Laboratory Reference: 2105-085
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	05-085-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	31.9	29.2	NA	NA		NA	NA	9	20	
Copper	11.0	11.0	NA	NA		NA	NA	0	20	
Lead	7.70	ND	NA	NA		NA	NA	NA	20	
Nickel	62.3	62.3	NA	NA		NA	NA	0	20	
Zinc	27.5	26.2	NA	NA		NA	NA	5	20	

Laboratory ID:	05-069-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	05-069-01									
Mercury	0.0317	0.0285	NA	NA		NA	NA	11	20	

MATRIX SPIKES

Laboratory ID:	05-085-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	94.8	93.2	100	100	ND	95	93	75-125	2	20
Cadmium	43.3	43.3	50.0	50.0	ND	87	87	75-125	0	20
Chromium	125	126	100	100	31.9	93	95	75-125	2	20
Copper	57.5	57.6	50.0	50.0	11.0	93	93	75-125	0	20
Lead	243	242	250	250	7.70	94	94	75-125	0	20
Nickel	153	159	100	100	62.3	91	96	75-125	4	20
Zinc	119	117	100	100	27.5	91	90	75-125	1	20

Laboratory ID:	05-069-01									
Selenium	86.8	87.0	100	100	ND	87	87	75-125	0	20

Laboratory ID:	05-069-01									
Mercury	0.499	0.525	0.500	0.500	0.0317	94	99	80-120	5	20



Date of Report: May 13, 2021
Samples Submitted: May 10, 2021
Laboratory Reference: 2105-085
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-31-3	05-085-01	7	5-10-21
IAEX-32-5	05-085-02	6	5-10-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(in working days)
(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

Laboratory Number: **05-085**

Company: GeoEngineers
Project Number: 6694-002-03 T700
Project Name: Go East Corp Landfill Site
Project Manager: Rob Leet
Sampled by: Paul Robinette

_____ (other)

Lab ID Sample Identification

Date Sampled Time Sampled Matrix

Number of Containers

Test/Parameter	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15	Lab 16	Lab 17	Lab 18	Lab 19	Lab 20	
NWTPH-HCID																					
NWTPH-Gx/BTEX																					
NWTPH-Gx		X	X	X																	
NWTPH-Dx (X Acid / SG Clean-up)		X	X	X																	
Volatiles 8260C		X	X	X																	
Halogenated Volatiles 8260C																					
EDB EPA 8011 (Waters Only)																					
Semivolatiles 8270D/SIM (with low-level PAHs)		X	X	X																	
PAHs 8270D/SIM (low-level)		X	X	X																	
PCBs 8082A		X	X	X																	
Organochlorine Pesticides 8081B		X	X	X																	
Organophosphorus Pesticides 8270D/SIM																					
Chlorinated Acid Herbicides 8151A		X	X	X																	
Total RCRA Metals																					
Total MTCA Metals																					
TCLP Metals																					
HEM (oil and grease) 1664A																					
TOTAL METALS *		X	X	X																	
% Moisture																					

1	IAEX-31-3	5/10/21	1025	S	6																																												
2	IAEX-32-5	5/10/21	1030	S	6																																												

Signature	Company	Date	Time	Comments/Special Instructions
	GEI	5/10/21	1500	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc **PCBs as Aroclors
	GEI	5/10/21	1500	
	GEI	5/10/21	1633	
	GEI	5/10/21	1633	
	GEI	5/10/21	1633	

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)

Reviewed/Date	Reviewed/Date



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 14, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-103

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 11, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 14, 2021
Samples Submitted: May 11, 2021
Laboratory Reference: 2105-103
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 11, 2021 and received by the laboratory on May 11, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 14, 2021
Samples Submitted: May 11, 2021
Laboratory Reference: 2105-103
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DUP-210511	05-103-01	Soil	5-11-21	5-11-21	
IAEX-33-2	05-103-02	Soil	5-11-21	5-11-21	
IAEX-34-2	05-103-03	Soil	5-11-21	5-11-21	
IAEX-35-2	05-103-04	Soil	5-11-21	5-11-21	
IAEX-36-2	05-103-05	Soil	5-11-21	5-11-21	
IAEX-37-2	05-103-06	Soil	5-11-21	5-11-21	
IAEX-38-3	05-103-07	Soil	5-11-21	5-11-21	



Date of Report: May 14, 2021
 Samples Submitted: May 11, 2021
 Laboratory Reference: 2105-103
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210511					
Laboratory ID:	05-103-01					
Gasoline	ND	6.0	NWTPH-Gx	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	100	66-129				
Client ID:	IAEX-33-2					
Laboratory ID:	05-103-02					
Gasoline	ND	6.9	NWTPH-Gx	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	101	66-129				
Client ID:	IAEX-34-2					
Laboratory ID:	05-103-03					
Gasoline	ND	5.8	NWTPH-Gx	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	101	66-129				
Client ID:	IAEX-35-2					
Laboratory ID:	05-103-04					
Gasoline	ND	6.0	NWTPH-Gx	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-129				
Client ID:	IAEX-36-2					
Laboratory ID:	05-103-05					
Gasoline	ND	7.2	NWTPH-Gx	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	103	66-129				
Client ID:	IAEX-37-2					
Laboratory ID:	05-103-06					
Gasoline	ND	6.2	NWTPH-Gx	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	100	66-129				



Date of Report: May 14, 2021
 Samples Submitted: May 11, 2021
 Laboratory Reference: 2105-103
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210511					
Laboratory ID:	05-103-01					
Diesel Range Organics	ND	27	NWTPH-Dx	5-12-21	5-12-21	X1
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-12-21	5-12-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				

Client ID:	IAEX-33-2					
Laboratory ID:	05-103-02					
Diesel Range Organics	ND	30	NWTPH-Dx	5-12-21	5-12-21	X1
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-12-21	5-12-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	82	50-150				

Client ID:	IAEX-34-2					
Laboratory ID:	05-103-03					
Diesel Range Organics	ND	27	NWTPH-Dx	5-12-21	5-12-21	X1
Lube Oil Range Organics	ND	53	NWTPH-Dx	5-12-21	5-12-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				

Client ID:	IAEX-35-2					
Laboratory ID:	05-103-04					
Diesel Range Organics	ND	29	NWTPH-Dx	5-12-21	5-12-21	X1
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-12-21	5-12-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				

Client ID:	IAEX-36-2					
Laboratory ID:	05-103-05					
Diesel Range Organics	ND	31	NWTPH-Dx	5-12-21	5-13-21	X1
Lube Oil Range Organics	ND	62	NWTPH-Dx	5-12-21	5-13-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				

Client ID:	IAEX-37-2					
Laboratory ID:	05-103-06					
Diesel Range Organics	ND	28	NWTPH-Dx	5-12-21	5-13-21	X1
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-12-21	5-13-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				



Date of Report: May 14, 2021
 Samples Submitted: May 11, 2021
 Laboratory Reference: 2105-103
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210511					
Laboratory ID:	05-103-01					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Chloromethane	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Bromomethane	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
Chloroethane	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Acetone	ND	0.011	EPA 8260D	5-12-21	5-12-21	
Iodomethane	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Methylene Chloride	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Vinyl Acetate	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
2-Butanone	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Chloroform	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Benzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Methyl Isobutyl Ketone	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
Toluene	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210511					
Laboratory ID:	05-103-01					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
2-Hexanone	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
m,p-Xylene	ND	0.0023	EPA 8260D	5-12-21	5-12-21	
o-Xylene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Styrene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Bromoform	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Hexachlorobutadiene	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
Naphthalene	ND	0.0057	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-33-2					
Laboratory ID:	05-103-02					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Chloromethane	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Bromomethane	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
Chloroethane	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Acetone	ND	0.010	EPA 8260D	5-12-21	5-12-21	
Iodomethane	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Methylene Chloride	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Vinyl Acetate	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
2-Butanone	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Chloroform	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Benzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Methyl Isobutyl Ketone	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
Toluene	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-33-2					
Laboratory ID:	05-103-02					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
2-Hexanone	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
m,p-Xylene	ND	0.0021	EPA 8260D	5-12-21	5-12-21	
o-Xylene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Styrene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Bromoform	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromo-3-chloropropane	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Hexachlorobutadiene	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
Naphthalene	ND	0.0052	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-34-2					
Laboratory ID:	05-103-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Chloromethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromomethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Chloroethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Acetone	ND	0.012	EPA 8260D	5-12-21	5-12-21	
Iodomethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Methylene Chloride	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Vinyl Acetate	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Butanone	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Chloroform	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Benzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Methyl Isobutyl Ketone	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Toluene	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-34-2					
Laboratory ID:	05-103-03					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Hexanone	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
m,p-Xylene	ND	0.0023	EPA 8260D	5-12-21	5-12-21	
o-Xylene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Styrene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromoform	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromo-3-chloropropane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Hexachlorobutadiene	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Naphthalene	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-35-2					
Laboratory ID:	05-103-04					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Chloromethane	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Bromomethane	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
Chloroethane	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Acetone	ND	0.011	EPA 8260D	5-12-21	5-12-21	
Iodomethane	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Methylene Chloride	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Vinyl Acetate	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
2-Butanone	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Chloroform	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Benzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Methyl Isobutyl Ketone	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
Toluene	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-35-2					
Laboratory ID:	05-103-04					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
2-Hexanone	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
m,p-Xylene	ND	0.0022	EPA 8260D	5-12-21	5-12-21	
o-Xylene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Styrene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Bromoform	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
Hexachlorobutadiene	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
Naphthalene	ND	0.0054	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-130</i>				



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 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-36-2					
Laboratory ID:	05-103-05					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Chloromethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromomethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Chloroethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Acetone	0.060	0.012	EPA 8260D	5-12-21	5-12-21	
Iodomethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Methylene Chloride	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Vinyl Acetate	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Butanone	0.0092	0.0058	EPA 8260D	5-12-21	5-12-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Chloroform	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Benzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Methyl Isobutyl Ketone	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Toluene	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-36-2					
Laboratory ID:	05-103-05					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Hexanone	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
m,p-Xylene	ND	0.0023	EPA 8260D	5-12-21	5-12-21	
o-Xylene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Styrene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromoform	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromo-3-chloropropane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Hexachlorobutadiene	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Naphthalene	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-37-2					
Laboratory ID:	05-103-06					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Chloromethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromomethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Chloroethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Acetone	ND	0.012	EPA 8260D	5-12-21	5-12-21	
Iodomethane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Methylene Chloride	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Vinyl Acetate	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Butanone	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Chloroform	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Benzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Methyl Isobutyl Ketone	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Toluene	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-37-2					
Laboratory ID:	05-103-06					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Hexanone	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
m,p-Xylene	ND	0.0023	EPA 8260D	5-12-21	5-12-21	
o-Xylene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Styrene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromoform	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromo-3-chloropropane	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
Hexachlorobutadiene	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
Naphthalene	ND	0.0058	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210511					
Laboratory ID:	05-103-01					
n-Nitrosodimethylamine	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Pyridine	ND	0.36	EPA 8270E	5-12-21	5-13-21	
Phenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Aniline	ND	0.18	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethyl)ether	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Chlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,3-Dichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,4-Dichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Benzyl alcohol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,2-Dichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Methylphenol (o-Cresol)	ND	0.036	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroisopropyl)ether	ND	0.036	EPA 8270E	5-12-21	5-13-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.036	EPA 8270E	5-12-21	5-13-21	
n-Nitroso-di-n-propylamine	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Hexachloroethane	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Nitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Isophorone	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Nitrophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,4-Dimethylphenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethoxy)methane	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,4-Dichlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,2,4-Trichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Naphthalene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Hexachlorobutadiene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
4-Chloro-3-methylphenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Methylnaphthalene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
1-Methylnaphthalene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Hexachlorocyclopentadiene	ND	0.051	EPA 8270E	5-12-21	5-13-21	
2,4,6-Trichlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,3-Dichloroaniline	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,4,5-Trichlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Chloronaphthalene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Nitroaniline	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,4-Dinitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Dimethylphthalate	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,3-Dinitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,6-Dinitrotoluene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,2-Dinitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Acenaphthylene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
3-Nitroaniline	ND	0.036	EPA 8270E	5-12-21	5-13-21	



Date of Report: May 14, 2021
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210511					
Laboratory ID:	05-103-01					
2,4-Dinitrophenol	ND	0.28	EPA 8270E	5-12-21	5-13-21	
Acenaphthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
4-Nitrophenol	ND	0.047	EPA 8270E	5-12-21	5-13-21	
2,4-Dinitrotoluene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Dibenzofuran	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,3,5,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,3,4,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
4-Chlorophenyl-phenylether	ND	0.036	EPA 8270E	5-12-21	5-13-21	
4-Nitroaniline	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Fluorene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
4,6-Dinitro-2-methylphenol	ND	0.24	EPA 8270E	5-12-21	5-13-21	
n-Nitrosodiphenylamine	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,2-Diphenylhydrazine	ND	0.036	EPA 8270E	5-12-21	5-13-21	
4-Bromophenyl-phenylether	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Hexachlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Phenanthrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Anthracene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Carbazole	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Fluoranthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Pyrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Benzo[a]anthracene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Chrysene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Benzo[b]fluoranthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo(j,k)fluoranthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[a]pyrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Indeno[1,2,3-cd]pyrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Dibenz[a,h]anthracene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[g,h,i]perylene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	50	26 - 109				
Phenol-d6	64	33 - 113				
Nitrobenzene-d5	44	31 - 110				
2-Fluorobiphenyl	63	42 - 107				
2,4,6-Tribromophenol	84	42 - 123				
Terphenyl-d14	71	41 - 115				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-33-2					
Laboratory ID:	05-103-02					
n-Nitrosodimethylamine	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Pyridine	ND	0.40	EPA 8270E	5-12-21	5-13-21	
Phenol	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Aniline	ND	0.20	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethyl)ether	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2-Chlorophenol	ND	0.040	EPA 8270E	5-12-21	5-13-21	
1,3-Dichlorobenzene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
1,4-Dichlorobenzene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Benzyl alcohol	ND	0.040	EPA 8270E	5-12-21	5-13-21	
1,2-Dichlorobenzene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2-Methylphenol (o-Cresol)	ND	0.040	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroisopropyl)ether	ND	0.040	EPA 8270E	5-12-21	5-13-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.040	EPA 8270E	5-12-21	5-13-21	
n-Nitroso-di-n-propylamine	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Hexachloroethane	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Nitrobenzene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Isophorone	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2-Nitrophenol	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2,4-Dimethylphenol	ND	0.040	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethoxy)methane	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2,4-Dichlorophenol	ND	0.040	EPA 8270E	5-12-21	5-13-21	
1,2,4-Trichlorobenzene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Naphthalene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
4-Chloroaniline	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Hexachlorobutadiene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
4-Chloro-3-methylphenol	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2-Methylnaphthalene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
1-Methylnaphthalene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
Hexachlorocyclopentadiene	ND	0.056	EPA 8270E	5-12-21	5-13-21	
2,4,6-Trichlorophenol	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2,3-Dichloroaniline	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2,4,5-Trichlorophenol	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2-Chloronaphthalene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2-Nitroaniline	ND	0.040	EPA 8270E	5-12-21	5-13-21	
1,4-Dinitrobenzene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Dimethylphthalate	ND	0.040	EPA 8270E	5-12-21	5-13-21	
1,3-Dinitrobenzene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2,6-Dinitrotoluene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
1,2-Dinitrobenzene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Acenaphthylene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
3-Nitroaniline	ND	0.040	EPA 8270E	5-12-21	5-13-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-33-2					
Laboratory ID:	05-103-02					
2,4-Dinitrophenol	ND	0.31	EPA 8270E	5-12-21	5-13-21	
Acenaphthene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
4-Nitrophenol	ND	0.052	EPA 8270E	5-12-21	5-13-21	
2,4-Dinitrotoluene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Dibenzofuran	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2,3,5,6-Tetrachlorophenol	ND	0.040	EPA 8270E	5-12-21	5-13-21	
2,3,4,6-Tetrachlorophenol	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Diethylphthalate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
4-Chlorophenyl-phenylether	ND	0.040	EPA 8270E	5-12-21	5-13-21	
4-Nitroaniline	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Fluorene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
4,6-Dinitro-2-methylphenol	ND	0.27	EPA 8270E	5-12-21	5-13-21	
n-Nitrosodiphenylamine	ND	0.040	EPA 8270E	5-12-21	5-13-21	
1,2-Diphenylhydrazine	ND	0.040	EPA 8270E	5-12-21	5-13-21	
4-Bromophenyl-phenylether	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Hexachlorobenzene	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Pentachlorophenol	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Phenanthrene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
Anthracene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
Carbazole	ND	0.040	EPA 8270E	5-12-21	5-13-21	
Di-n-butylphthalate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Fluoranthene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
Pyrene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
Butylbenzylphthalate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
bis-2-Ethylhexyladipate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
3,3'-Dichlorobenzidine	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Benzo[a]anthracene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
Chrysene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
bis(2-Ethylhexyl)phthalate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Di-n-octylphthalate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Benzo[b]fluoranthene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo(j,k)fluoranthene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[a]pyrene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
Indeno[1,2,3-cd]pyrene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
Dibenz[a,h]anthracene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[g,h,i]perylene	ND	0.0079	EPA 8270E/SIM	5-12-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>68</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>72</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>62</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>75</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>78</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>75</i>	<i>41 - 115</i>				



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 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-34-2					
Laboratory ID:	05-103-03					
n-Nitrosodimethylamine	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Pyridine	ND	0.36	EPA 8270E	5-12-21	5-13-21	
Phenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Aniline	ND	0.18	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethyl)ether	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Chlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,3-Dichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,4-Dichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Benzyl alcohol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,2-Dichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Methylphenol (o-Cresol)	ND	0.036	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroisopropyl)ether	ND	0.036	EPA 8270E	5-12-21	5-13-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.036	EPA 8270E	5-12-21	5-13-21	
n-Nitroso-di-n-propylamine	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Hexachloroethane	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Nitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Isophorone	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Nitrophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,4-Dimethylphenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethoxy)methane	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,4-Dichlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,2,4-Trichlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Naphthalene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Hexachlorobutadiene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
4-Chloro-3-methylphenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Methylnaphthalene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
1-Methylnaphthalene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Hexachlorocyclopentadiene	ND	0.051	EPA 8270E	5-12-21	5-13-21	
2,4,6-Trichlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,3-Dichloroaniline	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,4,5-Trichlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Chloronaphthalene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2-Nitroaniline	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,4-Dinitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Dimethylphthalate	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,3-Dinitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,6-Dinitrotoluene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,2-Dinitrobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Acenaphthylene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
3-Nitroaniline	ND	0.036	EPA 8270E	5-12-21	5-13-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-34-2					
Laboratory ID:	05-103-03					
2,4-Dinitrophenol	ND	0.28	EPA 8270E	5-12-21	5-13-21	
Acenaphthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
4-Nitrophenol	ND	0.047	EPA 8270E	5-12-21	5-13-21	
2,4-Dinitrotoluene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Dibenzofuran	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,3,5,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
2,3,4,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
4-Chlorophenyl-phenylether	ND	0.036	EPA 8270E	5-12-21	5-13-21	
4-Nitroaniline	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Fluorene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
4,6-Dinitro-2-methylphenol	ND	0.24	EPA 8270E	5-12-21	5-13-21	
n-Nitrosodiphenylamine	ND	0.036	EPA 8270E	5-12-21	5-13-21	
1,2-Diphenylhydrazine	ND	0.036	EPA 8270E	5-12-21	5-13-21	
4-Bromophenyl-phenylether	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Hexachlorobenzene	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Phenanthrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Anthracene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Carbazole	ND	0.036	EPA 8270E	5-12-21	5-13-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Fluoranthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Pyrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Benzo[a]anthracene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Chrysene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-12-21	5-13-21	
Benzo[b]fluoranthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo(j,k)fluoranthene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[a]pyrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Indeno[1,2,3-cd]pyrene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Dibenz[a,h]anthracene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[g,h,i]perylene	ND	0.0071	EPA 8270E/SIM	5-12-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>66</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>72</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>61</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>77</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>89</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>76</i>	<i>41 - 115</i>				



Date of Report: May 14, 2021
 Samples Submitted: May 11, 2021
 Laboratory Reference: 2105-103
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-35-2					
Laboratory ID:	05-103-04					
n-Nitrosodimethylamine	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Pyridine	ND	0.39	EPA 8270E	5-12-21	5-13-21	
Phenol	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Aniline	ND	0.20	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethyl)ether	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2-Chlorophenol	ND	0.039	EPA 8270E	5-12-21	5-13-21	
1,3-Dichlorobenzene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
1,4-Dichlorobenzene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Benzyl alcohol	ND	0.039	EPA 8270E	5-12-21	5-13-21	
1,2-Dichlorobenzene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2-Methylphenol (o-Cresol)	ND	0.039	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroisopropyl)ether	ND	0.039	EPA 8270E	5-12-21	5-13-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.039	EPA 8270E	5-12-21	5-13-21	
n-Nitroso-di-n-propylamine	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Hexachloroethane	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Nitrobenzene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Isophorone	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2-Nitrophenol	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2,4-Dimethylphenol	ND	0.039	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethoxy)methane	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2,4-Dichlorophenol	ND	0.039	EPA 8270E	5-12-21	5-13-21	
1,2,4-Trichlorobenzene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Naphthalene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
4-Chloroaniline	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Hexachlorobutadiene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
4-Chloro-3-methylphenol	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2-Methylnaphthalene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
1-Methylnaphthalene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
Hexachlorocyclopentadiene	ND	0.055	EPA 8270E	5-12-21	5-13-21	
2,4,6-Trichlorophenol	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2,3-Dichloroaniline	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2,4,5-Trichlorophenol	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2-Chloronaphthalene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2-Nitroaniline	ND	0.039	EPA 8270E	5-12-21	5-13-21	
1,4-Dinitrobenzene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Dimethylphthalate	ND	0.039	EPA 8270E	5-12-21	5-13-21	
1,3-Dinitrobenzene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2,6-Dinitrotoluene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
1,2-Dinitrobenzene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Acenaphthylene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
3-Nitroaniline	ND	0.039	EPA 8270E	5-12-21	5-13-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-35-2					
Laboratory ID:	05-103-04					
2,4-Dinitrophenol	ND	0.31	EPA 8270E	5-12-21	5-13-21	
Acenaphthene	0.0081	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
4-Nitrophenol	ND	0.052	EPA 8270E	5-12-21	5-13-21	
2,4-Dinitrotoluene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Dibenzofuran	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2,3,5,6-Tetrachlorophenol	ND	0.039	EPA 8270E	5-12-21	5-13-21	
2,3,4,6-Tetrachlorophenol	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Diethylphthalate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
4-Chlorophenyl-phenylether	ND	0.039	EPA 8270E	5-12-21	5-13-21	
4-Nitroaniline	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Fluorene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
4,6-Dinitro-2-methylphenol	ND	0.27	EPA 8270E	5-12-21	5-13-21	
n-Nitrosodiphenylamine	ND	0.039	EPA 8270E	5-12-21	5-13-21	
1,2-Diphenylhydrazine	ND	0.039	EPA 8270E	5-12-21	5-13-21	
4-Bromophenyl-phenylether	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Hexachlorobenzene	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Pentachlorophenol	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Phenanthrene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
Anthracene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
Carbazole	ND	0.039	EPA 8270E	5-12-21	5-13-21	
Di-n-butylphthalate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Fluoranthene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
Pyrene	0.0094	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
Butylbenzylphthalate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
bis-2-Ethylhexyladipate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
3,3'-Dichlorobenzidine	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Benzo[a]anthracene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
Chrysene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
bis(2-Ethylhexyl)phthalate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Di-n-octylphthalate	ND	0.20	EPA 8270E	5-12-21	5-13-21	
Benzo[b]fluoranthene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo(j,k)fluoranthene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[a]pyrene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
Indeno[1,2,3-cd]pyrene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
Dibenz[a,h]anthracene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[g,h,i]perylene	ND	0.0078	EPA 8270E/SIM	5-12-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>77</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>81</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>73</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>84</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>91</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>79</i>	<i>41 - 115</i>				



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 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-36-2					
Laboratory ID:	05-103-05					
n-Nitrosodimethylamine	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Pyridine	ND	0.41	EPA 8270E	5-12-21	5-13-21	
Phenol	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Aniline	ND	0.21	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethyl)ether	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2-Chlorophenol	ND	0.041	EPA 8270E	5-12-21	5-13-21	
1,3-Dichlorobenzene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
1,4-Dichlorobenzene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Benzyl alcohol	0.046	0.041	EPA 8270E	5-12-21	5-13-21	
1,2-Dichlorobenzene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2-Methylphenol (o-Cresol)	ND	0.041	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroisopropyl)ether	ND	0.041	EPA 8270E	5-12-21	5-13-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.041	EPA 8270E	5-12-21	5-13-21	
n-Nitroso-di-n-propylamine	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Hexachloroethane	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Nitrobenzene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Isophorone	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2-Nitrophenol	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2,4-Dimethylphenol	ND	0.041	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethoxy)methane	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2,4-Dichlorophenol	ND	0.041	EPA 8270E	5-12-21	5-13-21	
1,2,4-Trichlorobenzene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Naphthalene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
4-Chloroaniline	ND	0.21	EPA 8270E	5-12-21	5-13-21	
Hexachlorobutadiene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
4-Chloro-3-methylphenol	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
1-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
Hexachlorocyclopentadiene	ND	0.059	EPA 8270E	5-12-21	5-13-21	
2,4,6-Trichlorophenol	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2,3-Dichloroaniline	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2,4,5-Trichlorophenol	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2-Chloronaphthalene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2-Nitroaniline	ND	0.041	EPA 8270E	5-12-21	5-13-21	
1,4-Dinitrobenzene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Dimethylphthalate	ND	0.041	EPA 8270E	5-12-21	5-13-21	
1,3-Dinitrobenzene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2,6-Dinitrotoluene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
1,2-Dinitrobenzene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Acenaphthylene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
3-Nitroaniline	ND	0.041	EPA 8270E	5-12-21	5-13-21	



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 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-36-2					
Laboratory ID:	05-103-05					
2,4-Dinitrophenol	ND	0.32	EPA 8270E	5-12-21	5-13-21	
Acenaphthene	0.0097	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
4-Nitrophenol	ND	0.055	EPA 8270E	5-12-21	5-13-21	
2,4-Dinitrotoluene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Dibenzofuran	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2,3,5,6-Tetrachlorophenol	ND	0.041	EPA 8270E	5-12-21	5-13-21	
2,3,4,6-Tetrachlorophenol	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Diethylphthalate	ND	0.21	EPA 8270E	5-12-21	5-13-21	
4-Chlorophenyl-phenylether	ND	0.041	EPA 8270E	5-12-21	5-13-21	
4-Nitroaniline	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Fluorene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
4,6-Dinitro-2-methylphenol	ND	0.28	EPA 8270E	5-12-21	5-13-21	
n-Nitrosodiphenylamine	ND	0.041	EPA 8270E	5-12-21	5-13-21	
1,2-Diphenylhydrazine	ND	0.041	EPA 8270E	5-12-21	5-13-21	
4-Bromophenyl-phenylether	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Hexachlorobenzene	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Pentachlorophenol	ND	0.21	EPA 8270E	5-12-21	5-13-21	
Phenanthrene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
Anthracene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
Carbazole	ND	0.041	EPA 8270E	5-12-21	5-13-21	
Di-n-butylphthalate	ND	0.21	EPA 8270E	5-12-21	5-13-21	
Fluoranthene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
Pyrene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
Butylbenzylphthalate	ND	0.21	EPA 8270E	5-12-21	5-13-21	
bis-2-Ethylhexyladipate	ND	0.21	EPA 8270E	5-12-21	5-13-21	
3,3'-Dichlorobenzidine	ND	0.21	EPA 8270E	5-12-21	5-13-21	
Benzo[a]anthracene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
Chrysene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
bis(2-Ethylhexyl)phthalate	ND	0.21	EPA 8270E	5-12-21	5-13-21	
Di-n-octylphthalate	ND	0.21	EPA 8270E	5-12-21	5-13-21	
Benzo[b]fluoranthene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo(j,k)fluoranthene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[a]pyrene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
Indeno[1,2,3-cd]pyrene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
Dibenz[a,h]anthracene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[g,h,i]perylene	ND	0.0083	EPA 8270E/SIM	5-12-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>72</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>76</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>68</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>81</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>86</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>78</i>	<i>41 - 115</i>				



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-37-2					
Laboratory ID:	05-103-06					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Pyridine	ND	0.37	EPA 8270E	5-12-21	5-13-21	
Phenol	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Aniline	ND	0.19	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2-Chlorophenol	ND	0.037	EPA 8270E	5-12-21	5-13-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Benzyl alcohol	ND	0.037	EPA 8270E	5-12-21	5-13-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	5-12-21	5-13-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	5-12-21	5-13-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Hexachloroethane	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Nitrobenzene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Isophorone	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2-Nitrophenol	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	5-12-21	5-13-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	5-12-21	5-13-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Naphthalene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
4-Chloroaniline	ND	0.19	EPA 8270E	5-12-21	5-13-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
1-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
Hexachlorocyclopentadiene	ND	0.053	EPA 8270E	5-12-21	5-13-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2-Nitroaniline	ND	0.037	EPA 8270E	5-12-21	5-13-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Dimethylphthalate	ND	0.037	EPA 8270E	5-12-21	5-13-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Acenaphthylene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
3-Nitroaniline	ND	0.037	EPA 8270E	5-12-21	5-13-21	



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-37-2					
Laboratory ID:	05-103-06					
2,4-Dinitrophenol	ND	0.29	EPA 8270E	5-12-21	5-13-21	
Acenaphthene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
4-Nitrophenol	ND	0.049	EPA 8270E	5-12-21	5-13-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Dibenzofuran	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-12-21	5-13-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Diethylphthalate	ND	0.19	EPA 8270E	5-12-21	5-13-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	5-12-21	5-13-21	
4-Nitroaniline	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Fluorene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
4,6-Dinitro-2-methylphenol	ND	0.25	EPA 8270E	5-12-21	5-13-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	5-12-21	5-13-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	5-12-21	5-13-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Pentachlorophenol	ND	0.19	EPA 8270E	5-12-21	5-13-21	
Phenanthrene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
Anthracene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
Carbazole	ND	0.037	EPA 8270E	5-12-21	5-13-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	5-12-21	5-13-21	
Fluoranthene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
Pyrene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	5-12-21	5-13-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	5-12-21	5-13-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	5-12-21	5-13-21	
Benzo[a]anthracene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
Chrysene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	5-12-21	5-13-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	5-12-21	5-13-21	
Benzo[b]fluoranthene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo(j,k)fluoranthene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[a]pyrene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
Indeno[1,2,3-cd]pyrene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
Dibenz[a,h]anthracene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
Benzo[g,h,i]perylene	ND	0.0074	EPA 8270E/SIM	5-12-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>76</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>79</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>69</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>83</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>87</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>79</i>	<i>41 - 115</i>				



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SEMIVOLATILE ORGANICS EPA 8270E/SIM

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-38-3					
Laboratory ID:	05-103-07					
Pyrene	ND	0.0072	EPA 8270E/SIM	5-12-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	55	26 - 109				
Phenol-d6	60	33 - 113				
Nitrobenzene-d5	54	31 - 110				
2-Fluorobiphenyl	68	42 - 107				
2,4,6-Tribromophenol	88	42 - 123				
Terphenyl-d14	85	41 - 115				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210511					
Laboratory ID:	05-103-01					
Aroclor 1016	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1221	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1232	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1242	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1248	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1254	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1260	ND	0.053	EPA 8082A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	87	54-135				
Client ID:	IAEX-33-2					
Laboratory ID:	05-103-02					
Aroclor 1016	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1221	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1232	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1242	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1248	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1254	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1260	ND	0.059	EPA 8082A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	84	54-135				
Client ID:	IAEX-34-2					
Laboratory ID:	05-103-03					
Aroclor 1016	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1221	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1232	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1242	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1248	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1254	ND	0.053	EPA 8082A	5-12-21	5-12-21	
Aroclor 1260	ND	0.053	EPA 8082A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	87	54-135				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-35-2					
Laboratory ID:	05-103-04					
Aroclor 1016	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1221	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1232	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1242	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1248	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1254	ND	0.059	EPA 8082A	5-12-21	5-12-21	
Aroclor 1260	ND	0.059	EPA 8082A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	88	54-135				
Client ID:	IAEX-36-2					
Laboratory ID:	05-103-05					
Aroclor 1016	ND	0.062	EPA 8082A	5-12-21	5-12-21	
Aroclor 1221	ND	0.062	EPA 8082A	5-12-21	5-12-21	
Aroclor 1232	ND	0.062	EPA 8082A	5-12-21	5-12-21	
Aroclor 1242	ND	0.062	EPA 8082A	5-12-21	5-12-21	
Aroclor 1248	ND	0.062	EPA 8082A	5-12-21	5-12-21	
Aroclor 1254	ND	0.062	EPA 8082A	5-12-21	5-12-21	
Aroclor 1260	ND	0.062	EPA 8082A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	85	54-135				
Client ID:	IAEX-37-2					
Laboratory ID:	05-103-06					
Aroclor 1016	ND	0.056	EPA 8082A	5-12-21	5-12-21	
Aroclor 1221	ND	0.056	EPA 8082A	5-12-21	5-12-21	
Aroclor 1232	ND	0.056	EPA 8082A	5-12-21	5-12-21	
Aroclor 1242	ND	0.056	EPA 8082A	5-12-21	5-12-21	
Aroclor 1248	ND	0.056	EPA 8082A	5-12-21	5-12-21	
Aroclor 1254	ND	0.056	EPA 8082A	5-12-21	5-12-21	
Aroclor 1260	ND	0.056	EPA 8082A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	85	54-135				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210511					
Laboratory ID:	05-103-01					
alpha-BHC	ND	5.3	EPA 8081B	5-12-21	5-12-21	
gamma-BHC (Lindane)	ND	5.3	EPA 8081B	5-12-21	5-12-21	
beta-BHC	ND	5.3	EPA 8081B	5-12-21	5-12-21	
delta-BHC	ND	5.3	EPA 8081B	5-12-21	5-12-21	
Heptachlor	ND	5.3	EPA 8081B	5-12-21	5-12-21	
Aldrin	ND	5.3	EPA 8081B	5-12-21	5-12-21	
Heptachlor Epoxide	ND	5.3	EPA 8081B	5-12-21	5-12-21	
gamma-Chlordane	ND	5.3	EPA 8081B	5-12-21	5-12-21	
alpha-Chlordane	ND	11	EPA 8081B	5-12-21	5-12-21	
4,4'-DDE	ND	11	EPA 8081B	5-12-21	5-12-21	
Endosulfan I	ND	5.3	EPA 8081B	5-12-21	5-12-21	
Dieldrin	ND	11	EPA 8081B	5-12-21	5-12-21	
Endrin	ND	5.3	EPA 8081B	5-12-21	5-12-21	
4,4'-DDD	ND	11	EPA 8081B	5-12-21	5-12-21	
Endosulfan II	ND	11	EPA 8081B	5-12-21	5-12-21	
4,4'-DDT	ND	11	EPA 8081B	5-12-21	5-12-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-12-21	5-12-21	
Methoxychlor	ND	11	EPA 8081B	5-12-21	5-12-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-12-21	5-12-21	
Endrin Ketone	ND	11	EPA 8081B	5-12-21	5-12-21	
Toxaphene	ND	53	EPA 8081B	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	71	30-110				
DCB	99	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-33-2					
Laboratory ID:	05-103-02					
alpha-BHC	ND	5.9	EPA 8081B	5-12-21	5-12-21	
gamma-BHC (Lindane)	ND	5.9	EPA 8081B	5-12-21	5-12-21	
beta-BHC	ND	5.9	EPA 8081B	5-12-21	5-12-21	
delta-BHC	ND	5.9	EPA 8081B	5-12-21	5-12-21	
Heptachlor	ND	5.9	EPA 8081B	5-12-21	5-12-21	
Aldrin	ND	5.9	EPA 8081B	5-12-21	5-12-21	
Heptachlor Epoxide	ND	5.9	EPA 8081B	5-12-21	5-12-21	
gamma-Chlordane	ND	5.9	EPA 8081B	5-12-21	5-12-21	
alpha-Chlordane	ND	12	EPA 8081B	5-12-21	5-12-21	
4,4'-DDE	ND	12	EPA 8081B	5-12-21	5-12-21	
Endosulfan I	ND	5.9	EPA 8081B	5-12-21	5-12-21	
Dieldrin	ND	12	EPA 8081B	5-12-21	5-12-21	
Endrin	ND	5.9	EPA 8081B	5-12-21	5-12-21	
4,4'-DDD	ND	12	EPA 8081B	5-12-21	5-12-21	
Endosulfan II	ND	12	EPA 8081B	5-12-21	5-12-21	
4,4'-DDT	ND	12	EPA 8081B	5-12-21	5-12-21	
Endrin Aldehyde	ND	12	EPA 8081B	5-12-21	5-12-21	
Methoxychlor	ND	12	EPA 8081B	5-12-21	5-12-21	
Endosulfan Sulfate	ND	12	EPA 8081B	5-12-21	5-12-21	
Endrin Ketone	ND	12	EPA 8081B	5-12-21	5-12-21	
Toxaphene	ND	59	EPA 8081B	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	69	30-110				
DCB	95	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-34-2					
Laboratory ID:	05-103-03					
alpha-BHC	ND	5.3	EPA 8081B	5-12-21	5-12-21	
gamma-BHC (Lindane)	ND	5.3	EPA 8081B	5-12-21	5-12-21	
beta-BHC	ND	5.3	EPA 8081B	5-12-21	5-12-21	
delta-BHC	ND	5.3	EPA 8081B	5-12-21	5-12-21	
Heptachlor	ND	5.3	EPA 8081B	5-12-21	5-12-21	
Aldrin	ND	5.3	EPA 8081B	5-12-21	5-12-21	
Heptachlor Epoxide	ND	5.3	EPA 8081B	5-12-21	5-12-21	
gamma-Chlordane	ND	5.3	EPA 8081B	5-12-21	5-12-21	
alpha-Chlordane	ND	11	EPA 8081B	5-12-21	5-12-21	
4,4'-DDE	ND	11	EPA 8081B	5-12-21	5-12-21	
Endosulfan I	ND	5.3	EPA 8081B	5-12-21	5-12-21	
Dieldrin	ND	11	EPA 8081B	5-12-21	5-12-21	
Endrin	ND	5.3	EPA 8081B	5-12-21	5-12-21	
4,4'-DDD	ND	11	EPA 8081B	5-12-21	5-12-21	
Endosulfan II	ND	11	EPA 8081B	5-12-21	5-12-21	
4,4'-DDT	ND	11	EPA 8081B	5-12-21	5-12-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-12-21	5-12-21	
Methoxychlor	ND	11	EPA 8081B	5-12-21	5-12-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-12-21	5-12-21	
Endrin Ketone	ND	11	EPA 8081B	5-12-21	5-12-21	
Toxaphene	ND	53	EPA 8081B	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	68	30-110				
DCB	94	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-35-2					
Laboratory ID:	05-103-04					
alpha-BHC	ND	5.9	EPA 8081B	5-12-21	5-12-21	
gamma-BHC (Lindane)	ND	5.9	EPA 8081B	5-12-21	5-12-21	
beta-BHC	ND	5.9	EPA 8081B	5-12-21	5-12-21	
delta-BHC	ND	5.9	EPA 8081B	5-12-21	5-12-21	
Heptachlor	ND	5.9	EPA 8081B	5-12-21	5-12-21	
Aldrin	ND	5.9	EPA 8081B	5-12-21	5-12-21	
Heptachlor Epoxide	ND	5.9	EPA 8081B	5-12-21	5-12-21	
gamma-Chlordane	ND	5.9	EPA 8081B	5-12-21	5-12-21	
alpha-Chlordane	ND	12	EPA 8081B	5-12-21	5-12-21	
4,4'-DDE	ND	12	EPA 8081B	5-12-21	5-12-21	
Endosulfan I	ND	5.9	EPA 8081B	5-12-21	5-12-21	
Dieldrin	ND	12	EPA 8081B	5-12-21	5-12-21	
Endrin	ND	5.9	EPA 8081B	5-12-21	5-12-21	
4,4'-DDD	ND	12	EPA 8081B	5-12-21	5-12-21	
Endosulfan II	ND	12	EPA 8081B	5-12-21	5-12-21	
4,4'-DDT	ND	12	EPA 8081B	5-12-21	5-12-21	
Endrin Aldehyde	ND	12	EPA 8081B	5-12-21	5-12-21	
Methoxychlor	ND	12	EPA 8081B	5-12-21	5-12-21	
Endosulfan Sulfate	ND	12	EPA 8081B	5-12-21	5-12-21	
Endrin Ketone	ND	12	EPA 8081B	5-12-21	5-12-21	
Toxaphene	ND	59	EPA 8081B	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	67	30-110				
DCB	96	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-36-2					
Laboratory ID:	05-103-05					
alpha-BHC	ND	6.2	EPA 8081B	5-12-21	5-12-21	
gamma-BHC (Lindane)	ND	6.2	EPA 8081B	5-12-21	5-12-21	
beta-BHC	ND	6.2	EPA 8081B	5-12-21	5-12-21	
delta-BHC	ND	6.2	EPA 8081B	5-12-21	5-12-21	
Heptachlor	ND	6.2	EPA 8081B	5-12-21	5-12-21	
Aldrin	ND	6.2	EPA 8081B	5-12-21	5-12-21	
Heptachlor Epoxide	ND	6.2	EPA 8081B	5-12-21	5-12-21	
gamma-Chlordane	ND	6.2	EPA 8081B	5-12-21	5-12-21	
alpha-Chlordane	ND	12	EPA 8081B	5-12-21	5-12-21	
4,4'-DDE	ND	12	EPA 8081B	5-12-21	5-12-21	
Endosulfan I	ND	6.2	EPA 8081B	5-12-21	5-12-21	
Dieldrin	ND	12	EPA 8081B	5-12-21	5-12-21	
Endrin	ND	6.2	EPA 8081B	5-12-21	5-12-21	
4,4'-DDD	ND	12	EPA 8081B	5-12-21	5-12-21	
Endosulfan II	ND	12	EPA 8081B	5-12-21	5-12-21	
4,4'-DDT	ND	12	EPA 8081B	5-12-21	5-12-21	
Endrin Aldehyde	ND	12	EPA 8081B	5-12-21	5-12-21	
Methoxychlor	ND	12	EPA 8081B	5-12-21	5-12-21	
Endosulfan Sulfate	ND	12	EPA 8081B	5-12-21	5-12-21	
Endrin Ketone	ND	12	EPA 8081B	5-12-21	5-12-21	
Toxaphene	ND	62	EPA 8081B	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	71	30-110				
DCB	98	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-37-2					
Laboratory ID:	05-103-06					
alpha-BHC	ND	5.6	EPA 8081B	5-12-21	5-12-21	
gamma-BHC (Lindane)	ND	5.6	EPA 8081B	5-12-21	5-12-21	
beta-BHC	ND	5.6	EPA 8081B	5-12-21	5-12-21	
delta-BHC	ND	5.6	EPA 8081B	5-12-21	5-12-21	
Heptachlor	ND	5.6	EPA 8081B	5-12-21	5-12-21	
Aldrin	ND	5.6	EPA 8081B	5-12-21	5-12-21	
Heptachlor Epoxide	ND	5.6	EPA 8081B	5-12-21	5-12-21	
gamma-Chlordane	ND	5.6	EPA 8081B	5-12-21	5-12-21	
alpha-Chlordane	ND	11	EPA 8081B	5-12-21	5-12-21	
4,4'-DDE	ND	11	EPA 8081B	5-12-21	5-12-21	
Endosulfan I	ND	5.6	EPA 8081B	5-12-21	5-12-21	
Dieldrin	ND	11	EPA 8081B	5-12-21	5-12-21	
Endrin	ND	5.6	EPA 8081B	5-12-21	5-12-21	
4,4'-DDD	ND	11	EPA 8081B	5-12-21	5-12-21	
Endosulfan II	ND	11	EPA 8081B	5-12-21	5-12-21	
4,4'-DDT	ND	11	EPA 8081B	5-12-21	5-12-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-12-21	5-12-21	
Methoxychlor	ND	11	EPA 8081B	5-12-21	5-12-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-12-21	5-12-21	
Endrin Ketone	ND	11	EPA 8081B	5-12-21	5-12-21	
Toxaphene	ND	56	EPA 8081B	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	67	30-110				
DCB	91	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210511					
Laboratory ID:	05-103-01					
Dalapon	ND	200	EPA 8151A	5-12-21	5-12-21	
Dicamba	ND	10	EPA 8151A	5-12-21	5-12-21	
MCPD	ND	1000	EPA 8151A	5-12-21	5-12-21	
MCPA	ND	2500	EPA 8151A	5-12-21	5-12-21	
Dichlorprop	ND	76	EPA 8151A	5-12-21	5-12-21	
2,4-D	ND	10	EPA 8151A	5-12-21	5-12-21	
Pentachlorophenol	ND	5.1	EPA 8151A	5-12-21	5-12-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-12-21	5-12-21	
2,4,5-T	ND	10	EPA 8151A	5-12-21	5-12-21	
2,4-DB	ND	10	EPA 8151A	5-12-21	5-12-21	
Dinoseb	ND	10	EPA 8151A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	74	27-134				
Client ID:	IAEX-33-2					
Laboratory ID:	05-103-02					
Dalapon	ND	220	EPA 8151A	5-12-21	5-12-21	
Dicamba	ND	11	EPA 8151A	5-12-21	5-12-21	
MCPD	ND	1100	EPA 8151A	5-12-21	5-12-21	
MCPA	ND	2800	EPA 8151A	5-12-21	5-12-21	
Dichlorprop	ND	84	EPA 8151A	5-12-21	5-12-21	
2,4-D	ND	11	EPA 8151A	5-12-21	5-12-21	
Pentachlorophenol	ND	5.6	EPA 8151A	5-12-21	5-12-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-12-21	5-12-21	
2,4,5-T	ND	11	EPA 8151A	5-12-21	5-12-21	
2,4-DB	ND	11	EPA 8151A	5-12-21	5-12-21	
Dinoseb	ND	11	EPA 8151A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	66	27-134				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-34-2					
Laboratory ID:	05-103-03					
Dalapon	ND	200	EPA 8151A	5-12-21	5-12-21	
Dicamba	ND	10	EPA 8151A	5-12-21	5-12-21	
MCPD	ND	1000	EPA 8151A	5-12-21	5-12-21	
MCPA	ND	2500	EPA 8151A	5-12-21	5-12-21	
Dichlorprop	ND	76	EPA 8151A	5-12-21	5-12-21	
2,4-D	ND	10	EPA 8151A	5-12-21	5-12-21	
Pentachlorophenol	ND	5.1	EPA 8151A	5-12-21	5-12-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-12-21	5-12-21	
2,4,5-T	ND	10	EPA 8151A	5-12-21	5-12-21	
2,4-DB	ND	10	EPA 8151A	5-12-21	5-12-21	
Dinoseb	ND	10	EPA 8151A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	76	27-134				
Client ID:	IAEX-35-2					
Laboratory ID:	05-103-04					
Dalapon	ND	210	EPA 8151A	5-12-21	5-12-21	
Dicamba	ND	11	EPA 8151A	5-12-21	5-12-21	
MCPD	ND	1100	EPA 8151A	5-12-21	5-12-21	
MCPA	ND	2700	EPA 8151A	5-12-21	5-12-21	
Dichlorprop	ND	83	EPA 8151A	5-12-21	5-12-21	
2,4-D	ND	11	EPA 8151A	5-12-21	5-12-21	
Pentachlorophenol	ND	5.6	EPA 8151A	5-12-21	5-12-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-12-21	5-12-21	
2,4,5-T	ND	11	EPA 8151A	5-12-21	5-12-21	
2,4-DB	ND	11	EPA 8151A	5-12-21	5-12-21	
Dinoseb	ND	11	EPA 8151A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	70	27-134				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-36-2					
Laboratory ID:	05-103-05					
Dalapon	ND	230	EPA 8151A	5-12-21	5-12-21	
Dicamba	ND	12	EPA 8151A	5-12-21	5-12-21	
MCPD	ND	1200	EPA 8151A	5-12-21	5-12-21	
MCPA	ND	2900	EPA 8151A	5-12-21	5-12-21	
Dichlorprop	ND	88	EPA 8151A	5-12-21	5-12-21	
2,4-D	ND	12	EPA 8151A	5-12-21	5-12-21	
Pentachlorophenol	ND	5.9	EPA 8151A	5-12-21	5-12-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	5-12-21	5-12-21	
2,4,5-T	ND	12	EPA 8151A	5-12-21	5-12-21	
2,4-DB	ND	12	EPA 8151A	5-12-21	5-12-21	
Dinoseb	ND	12	EPA 8151A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	70	27-134				
Client ID:	IAEX-37-2					
Laboratory ID:	05-103-06					
Dalapon	ND	200	EPA 8151A	5-12-21	5-12-21	
Dicamba	ND	10	EPA 8151A	5-12-21	5-12-21	
MCPD	ND	1000	EPA 8151A	5-12-21	5-12-21	
MCPA	ND	2600	EPA 8151A	5-12-21	5-12-21	
Dichlorprop	ND	79	EPA 8151A	5-12-21	5-12-21	
2,4-D	ND	10	EPA 8151A	5-12-21	5-12-21	
Pentachlorophenol	ND	5.3	EPA 8151A	5-12-21	5-12-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-12-21	5-12-21	
2,4,5-T	ND	11	EPA 8151A	5-12-21	5-12-21	
2,4-DB	ND	11	EPA 8151A	5-12-21	5-12-21	
Dinoseb	ND	11	EPA 8151A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	75	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210511					
Laboratory ID:	05-103-01					
Arsenic	ND	11	EPA 6010D	5-12-21	5-12-21	
Cadmium	ND	0.53	EPA 6010D	5-12-21	5-12-21	
Chromium	23	0.53	EPA 6010D	5-12-21	5-12-21	
Copper	9.4	1.1	EPA 6010D	5-12-21	5-12-21	
Lead	ND	5.3	EPA 6010D	5-12-21	5-12-21	
Mercury	ND	0.021	EPA 7471B	5-13-21	5-13-21	
Nickel	42	2.7	EPA 6010D	5-12-21	5-12-21	
Selenium	ND	0.53	EPA 6020B	5-14-21	5-14-21	
Zinc	25	2.7	EPA 6010D	5-12-21	5-12-21	

Client ID:	IAEX-33-2					
Laboratory ID:	05-103-02					
Arsenic	ND	12	EPA 6010D	5-12-21	5-12-21	
Cadmium	ND	0.59	EPA 6010D	5-12-21	5-12-21	
Chromium	25	0.59	EPA 6010D	5-12-21	5-12-21	
Copper	10	1.2	EPA 6010D	5-12-21	5-12-21	
Lead	ND	5.9	EPA 6010D	5-12-21	5-12-21	
Mercury	ND	0.024	EPA 7471B	5-14-21	5-14-21	
Nickel	45	3.0	EPA 6010D	5-12-21	5-12-21	
Selenium	ND	0.59	EPA 6020B	5-14-21	5-14-21	
Zinc	29	3.0	EPA 6010D	5-12-21	5-12-21	

Client ID:	IAEX-34-2					
Laboratory ID:	05-103-03					
Arsenic	ND	11	EPA 6010D	5-12-21	5-12-21	
Cadmium	ND	0.53	EPA 6010D	5-12-21	5-12-21	
Chromium	23	0.53	EPA 6010D	5-12-21	5-12-21	
Copper	9.6	1.1	EPA 6010D	5-12-21	5-12-21	
Lead	ND	5.3	EPA 6010D	5-12-21	5-12-21	
Mercury	ND	0.021	EPA 7471B	5-14-21	5-14-21	
Nickel	42	2.7	EPA 6010D	5-12-21	5-12-21	
Selenium	ND	0.53	EPA 6020B	5-14-21	5-14-21	
Zinc	31	2.7	EPA 6010D	5-12-21	5-12-21	



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-35-2					
Laboratory ID:	05-103-04					
Arsenic	ND	12	EPA 6010D	5-12-21	5-12-21	
Cadmium	ND	0.59	EPA 6010D	5-12-21	5-12-21	
Chromium	25	0.59	EPA 6010D	5-12-21	5-12-21	
Copper	13	1.2	EPA 6010D	5-12-21	5-12-21	
Lead	ND	5.9	EPA 6010D	5-12-21	5-12-21	
Mercury	0.028	0.023	EPA 7471B	5-14-21	5-14-21	
Nickel	53	2.9	EPA 6010D	5-12-21	5-12-21	
Selenium	ND	0.59	EPA 6020B	5-14-21	5-14-21	
Zinc	33	2.9	EPA 6010D	5-12-21	5-12-21	

Client ID:	IAEX-36-2					
Laboratory ID:	05-103-05					
Arsenic	ND	12	EPA 6010D	5-12-21	5-12-21	
Cadmium	ND	0.62	EPA 6010D	5-12-21	5-12-21	
Chromium	26	0.62	EPA 6010D	5-12-21	5-12-21	
Copper	11	1.2	EPA 6010D	5-12-21	5-12-21	
Lead	ND	6.2	EPA 6010D	5-12-21	5-12-21	
Mercury	ND	0.025	EPA 7471B	5-14-21	5-14-21	
Nickel	53	3.1	EPA 6010D	5-12-21	5-12-21	
Selenium	ND	0.62	EPA 6020B	5-14-21	5-14-21	
Zinc	30	3.1	EPA 6010D	5-12-21	5-12-21	

Client ID:	IAEX-37-2					
Laboratory ID:	05-103-06					
Arsenic	ND	11	EPA 6010D	5-12-21	5-12-21	
Cadmium	ND	0.56	EPA 6010D	5-12-21	5-12-21	
Chromium	24	0.56	EPA 6010D	5-12-21	5-12-21	
Copper	8.6	1.1	EPA 6010D	5-12-21	5-12-21	
Lead	ND	5.6	EPA 6010D	5-12-21	5-12-21	
Mercury	ND	0.022	EPA 7471B	5-14-21	5-14-21	
Nickel	46	2.8	EPA 6010D	5-12-21	5-12-21	
Selenium	ND	0.56	EPA 6020B	5-14-21	5-14-21	
Zinc	24	2.8	EPA 6010D	5-12-21	5-12-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
Gasoline	ND	5.0	NWTPH-Gx	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	102	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-103-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				100	99	66-129		



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-12-21	5-12-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-12-21	5-12-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0512S1							
	ORIG	DUP						
Diesel Fuel #2	108	91.1	NA	NA	NA	NA	17	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				110	103	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Chloromethane	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Bromomethane	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
Chloroethane	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Acetone	ND	0.010	EPA 8260D	5-12-21	5-12-21	
Iodomethane	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
2-Butanone	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Chloroform	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Benzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
Toluene	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-12-21	5-12-21	
o-Xylene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Styrene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Bromoform	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
Naphthalene	ND	0.0050	EPA 8260D	5-12-21	5-12-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-130</i>				



Date of Report: May 14, 2021
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 Laboratory Reference: 2105-103
 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0512S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0485	0.0483	0.0500	0.0500	97	97	71-131	0	19	
Benzene	0.0493	0.0478	0.0500	0.0500	99	96	73-124	3	18	
Trichloroethene	0.0523	0.0515	0.0500	0.0500	105	103	79-130	2	18	
Toluene	0.0502	0.0485	0.0500	0.0500	100	97	76-123	3	18	
Chlorobenzene	0.0466	0.0470	0.0500	0.0500	93	94	78-122	1	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					100	94	74-131			
<i>Toluene-d8</i>					103	95	78-128			
<i>4-Bromofluorobenzene</i>					105	99	71-130			



Date of Report: May 14, 2021
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 Laboratory Reference: 2105-103
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Pyridine	ND	0.33	EPA 8270E	5-12-21	5-12-21	
Phenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Aniline	ND	0.17	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-12-21	5-12-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-12-21	5-12-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Isophorone	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Hexachlorocyclopentadiene	ND	0.047	EPA 8270E	5-12-21	5-12-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-12-21	5-12-21	



Date of Report: May 14, 2021
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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
2,4-Dinitrophenol	ND	0.26	EPA 8270E	5-12-21	5-12-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
4-Nitrophenol	ND	0.044	EPA 8270E	5-12-21	5-12-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Dibenzofuran	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-12-21	5-12-21	
4-Nitroaniline	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
4,6-Dinitro-2-methylphenol	ND	0.23	EPA 8270E	5-12-21	5-12-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-12-21	5-12-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-12-21	5-12-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Carbazole	ND	0.033	EPA 8270E	5-12-21	5-12-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-12-21	5-12-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	76	26 - 109				
Phenol-d6	82	33 - 113				
Nitrobenzene-d5	72	31 - 110				
2-Fluorobiphenyl	86	42 - 107				
2,4,6-Tribromophenol	90	42 - 123				
Terphenyl-d14	80	41 - 115				



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 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits			Limit	
MATRIX SPIKES											
Laboratory ID:	05-085-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.884	0.913	1.33	1.33	ND	66	69	33 - 105	3	36	
2-Chlorophenol	1.08	1.09	1.33	1.33	ND	81	82	36 - 105	1	38	
1,4-Dichlorobenzene	0.534	0.528	0.667	0.667	ND	80	79	27 - 106	1	40	
n-Nitroso-di-n-propylamine	0.473	0.481	0.667	0.667	ND	71	72	28 - 111	2	35	
1,2,4-Trichlorobenzene	0.557	0.572	0.667	0.667	ND	84	86	37 - 104	3	41	
4-Chloro-3-methylphenol	1.03	1.10	1.33	1.33	ND	77	83	42 - 113	7	25	
Acenaphthene	0.483	0.510	0.667	0.667	ND	72	76	36 - 104	5	23	
4-Nitrophenol	1.00	1.17	1.33	1.33	ND	75	88	22 - 135	16	24	
2,4-Dinitrotoluene	0.538	0.579	0.667	0.667	ND	81	87	25 - 114	7	26	
Pentachlorophenol	1.05	1.20	1.33	1.33	ND	79	90	28 - 135	13	28	
Pyrene	0.516	0.550	0.667	0.667	ND	77	82	29 - 127	6	20	
<i>Surrogate:</i>											
2-Fluorophenol						77	77	26 - 109			
Phenol-d6						78	81	33 - 113			
Nitrobenzene-d5						70	72	31 - 110			
2-Fluorobiphenyl						80	84	42 - 107			
2,4,6-Tribromophenol						85	94	42 - 123			
Terphenyl-d14						77	79	41 - 115			



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 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S2					
Aroclor 1016	ND	0.050	EPA 8082A	5-12-21	5-12-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-12-21	5-12-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-12-21	5-12-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-12-21	5-12-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-12-21	5-12-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-12-21	5-12-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-12-21	5-12-21	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	88		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-103-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.424	0.425	0.500	0.500	ND	85	85	62-129	0	15	
Surrogate:											
DCB						89	94	54-135			



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 Samples Submitted: May 11, 2021
 Laboratory Reference: 2105-103
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S2					
alpha-BHC	ND	5.0	EPA 8081B	5-12-21	5-12-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-12-21	5-12-21	
beta-BHC	ND	5.0	EPA 8081B	5-12-21	5-12-21	
delta-BHC	ND	5.0	EPA 8081B	5-12-21	5-12-21	
Heptachlor	ND	5.0	EPA 8081B	5-12-21	5-12-21	
Aldrin	ND	5.0	EPA 8081B	5-12-21	5-12-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-12-21	5-12-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-12-21	5-12-21	
alpha-Chlordane	ND	10	EPA 8081B	5-12-21	5-12-21	
4,4'-DDE	ND	10	EPA 8081B	5-12-21	5-12-21	
Endosulfan I	ND	5.0	EPA 8081B	5-12-21	5-12-21	
Dieldrin	ND	10	EPA 8081B	5-12-21	5-12-21	
Endrin	ND	5.0	EPA 8081B	5-12-21	5-12-21	
4,4'-DDD	ND	10	EPA 8081B	5-12-21	5-12-21	
Endosulfan II	ND	10	EPA 8081B	5-12-21	5-12-21	
4,4'-DDT	ND	10	EPA 8081B	5-12-21	5-12-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-12-21	5-12-21	
Methoxychlor	ND	10	EPA 8081B	5-12-21	5-12-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-12-21	5-12-21	
Endrin Ketone	ND	10	EPA 8081B	5-12-21	5-12-21	
Toxaphene	ND	50	EPA 8081B	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	56	30-110				
DCB	76	40-117				



Date of Report: May 14, 2021
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 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	Limit			
MATRIX SPIKES											
Laboratory ID:	05-103-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	70.3	75.8	100	100	ND	70	76	36-123	8	21	
gamma-BHC (Lindane)	72.7	77.4	100	100	ND	73	77	38-121	6	21	
beta-BHC	53.6	57.8	100	100	ND	54	58	31-125	8	21	
delta-BHC	68.6	73.9	100	100	ND	69	74	37-118	7	23	
Heptachlor	89.6	96.5	100	100	ND	90	96	37-123	7	24	
Aldrin	72.8	76.6	100	100	ND	73	77	45-118	5	22	
Heptachlor Epoxide	90.1	95.6	100	100	ND	90	96	46-114	6	22	
gamma-Chlordane	72.2	73.8	100	100	ND	72	74	41-120	2	23	
alpha-Chlordane	66.8	68.2	100	100	ND	67	68	43-118	2	23	
4,4'-DDE	72.0	73.6	100	100	ND	72	74	34-139	2	22	
Endosulfan I	72.7	75.8	100	100	ND	73	76	43-124	4	25	
Dieldrin	91.5	95.6	100	100	ND	91	96	40-128	4	23	
Endrin	96.0	101	100	100	ND	96	101	44-120	5	28	
4,4'-DDD	78.4	80.4	100	100	ND	78	80	42-131	3	21	
Endosulfan II	94.7	97.8	100	100	ND	95	98	47-112	3	22	
4,4'-DDT	75.2	76.5	100	100	ND	75	76	29-141	2	32	
Endrin Aldehyde	63.1	66.1	100	100	ND	63	66	41-114	5	22	
Methoxychlor	90.3	93.9	100	100	ND	90	94	31-139	4	23	
Endosulfan Sulfate	74.0	76.6	100	100	ND	74	77	48-112	3	21	
Endrin Ketone	75.1	77.7	100	100	ND	75	78	46-117	3	22	
Surrogate:											
TCMX						64	67	30-110			
DCB						90	89	40-117			



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 Laboratory Reference: 2105-103
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
Dalapon	ND	180	EPA 8151A	5-12-21	5-12-21	
Dicamba	ND	9.4	EPA 8151A	5-12-21	5-12-21	
MCPPE	ND	940	EPA 8151A	5-12-21	5-12-21	
MCPA	ND	2300	EPA 8151A	5-12-21	5-12-21	
Dichlorprop	ND	71	EPA 8151A	5-12-21	5-12-21	
2,4-D	ND	9.4	EPA 8151A	5-12-21	5-12-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-12-21	5-12-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-12-21	5-12-21	
2,4,5-T	ND	9.5	EPA 8151A	5-12-21	5-12-21	
2,4-DB	ND	9.5	EPA 8151A	5-12-21	5-12-21	
Dinoseb	ND	9.5	EPA 8151A	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	77	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0512S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	672	681	1250	1250	N/A	54	54	10-68 1 38
Dicamba	235	236	250	250	N/A	94	95	52-101 0 18
MCPPE	18700	18900	25000	25000	N/A	75	76	63-105 1 21
MCPA	19500	19100	25000	25000	N/A	78	76	45-107 2 21
Dichlorprop	213	213	250	250	N/A	85	85	54-106 0 18
2,4-D	197	202	250	250	N/A	79	81	33-95 3 25
Pentachlorophenol	22.1	22.5	25.0	25.0	N/A	88	90	48-125 2 20
2,4,5-TP (Silvex)	241	247	250	250	N/A	96	99	62-115 2 17
2,4,5-T	230	234	250	250	N/A	92	94	48-108 2 21
2,4-DB	204	208	250	250	N/A	82	83	45-114 2 23
Dinoseb	209	219	250	250	N/A	84	88	51-124 5 27
<i>Surrogate:</i>								
DCAA						99	96	27-134



Date of Report: May 14, 2021
 Samples Submitted: May 11, 2021
 Laboratory Reference: 2105-103
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512SM1					
Arsenic	ND	10	EPA 6010D	5-12-21	5-12-21	
Cadmium	ND	0.50	EPA 6010D	5-12-21	5-12-21	
Chromium	ND	0.50	EPA 6010D	5-12-21	5-12-21	
Copper	ND	1.0	EPA 6010D	5-12-21	5-12-21	
Lead	ND	5.0	EPA 6010D	5-12-21	5-12-21	
Nickel	ND	2.5	EPA 6010D	5-12-21	5-12-21	
Zinc	ND	2.5	EPA 6010D	5-12-21	5-12-21	
Laboratory ID:	MB0514SM1					
Selenium	ND	0.50	EPA 6020B	5-14-21	5-14-21	
Laboratory ID:	MB0514S1					
Mercury	ND	0.020	EPA 7471B	5-14-21	5-14-21	



Date of Report: May 14, 2021
 Samples Submitted: May 11, 2021
 Laboratory Reference: 2105-103
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	05-103-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	21.4	21.2	NA	NA		NA	NA	1	20	
Copper	8.80	9.00	NA	NA		NA	NA	2	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	38.9	39.7	NA	NA		NA	NA	2	20	
Zinc	23.2	23.8	NA	NA		NA	NA	2	20	

Laboratory ID:	05-103-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	05-103-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	05-103-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	94.1	92.2	100	100	ND	94	92	75-125	2	20
Cadmium	43.1	42.4	50.0	50.0	ND	86	85	75-125	2	20
Chromium	115	116	100	100	21.4	94	95	75-125	1	20
Copper	55.9	55.6	50.0	50.0	8.80	94	94	75-125	1	20
Lead	239	236	250	250	ND	96	95	75-125	1	20
Nickel	131	133	100	100	38.9	92	95	75-125	2	20
Zinc	119	119	100	100	23.2	96	96	75-125	1	20

Laboratory ID:	05-103-01									
Selenium	80.8	85.5	100	100	ND	81	86	75-125	6	20

Laboratory ID:	05-103-01									
Mercury	0.598	0.565	0.500	0.500	0.0117	117	111	80-120	6	20



Date of Report: May 14, 2021
Samples Submitted: May 11, 2021
Laboratory Reference: 2105-103
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
DUP-210511	05-103-01	6	5-12-21
IAEX-33-2	05-103-02	16	5-12-21
IAEX-34-2	05-103-03	6	5-12-21
IAEX-35-2	05-103-04	15	5-12-21
IAEX-36-2	05-103-05	19	5-12-21
IAEX-37-2	05-103-06	10	5-12-21
IAEX-38-3	05-103-07	8	5-12-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-9881 • www.onsite-env.com

Chain of Custody

Laboratory Number: **05-103**

Turnaround Request
 (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Company: GeoEngineers

Project Number: 6694-002-03 T700

Project Name: Go East Corp Landfill Site

Project Manager: Rob Leet

Sampled by: Paul Robinette

Lab ID Sample Identification Date Sampled Time Sampled Matrix

Number of Containers

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL METALS *	% Moisture
1	DOR-210511	5/11/21	6:00	S			X	X	X			X	X	X	X	X	X	X	X	X	X	X	
2	IAEX-33-2		1220	S			X	X	X			X	X	X	X	X	X	X	X	X	X	X	
3	IAEX-34-2		1225	S			X	X	X			X	X	X	X	X	X	X	X	X	X	X	
4	IAEX-35-2		1230	S			X	X	X			X	X	X	X	X	X	X	X	X	X	X	
5	IAEX-36-2		1245	S			X	X	X			X	X	X	X	X	X	X	X	X	X	X	
6	IAEX-37-2		1300	S			X	X	X			X	X	X	X	X	X	X	X	X	X	X	
7	IAEX-38-3		1330	S			X	X	X			X	X	X	X	X	X	X	X	X	X	X	

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	GEI	5/11/21	15:45	
<i>[Signature]</i>	ALP	5/11/21	15:46	
<i>[Signature]</i>	ALP	5/11/21	5:02	
<i>[Signature]</i>	GEI	5/11/21	17:46	

*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc

**PCBs as Aroclors

REBERT BOLT Pyrene

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 17, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-117

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 12, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 17, 2021
Samples Submitted: May 12, 2021
Laboratory Reference: 2105-117
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 12, 2021 and received by the laboratory on May 12, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Chlorinated Acid Herbicides EPA 8151A Analysis

The RPD for Dalapon was above the quality control limit between the spike blank and spike blank duplicate. All other quality control values were within control limits and no further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: May 17, 2021
Samples Submitted: May 12, 2021
Laboratory Reference: 2105-117
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-39-20	05-117-01	Soil	5-12-21	5-12-21	
IAEX-40-55	05-117-02	Soil	5-12-21	5-12-21	



Date of Report: May 17, 2021
 Samples Submitted: May 12, 2021
 Laboratory Reference: 2105-117
 Project: 6694-002-03 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-39-20					
Laboratory ID:	05-117-01					
Gasoline	ND	6.6	NWTPH-Gx	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	100	66-129				
Client ID:	IAEX-40-55					
Laboratory ID:	05-117-02					
Gasoline	ND	7.2	NWTPH-Gx	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-129				



Date of Report: May 17, 2021
 Samples Submitted: May 12, 2021
 Laboratory Reference: 2105-117
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-39-20					
Laboratory ID:	05-117-01					
Diesel Range Organics	ND	31	NWTPH-Dx	5-13-21	5-13-21	X1
Lube Oil Range Organics	ND	62	NWTPH-Dx	5-13-21	5-13-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Client ID:	IAEX-40-55					
Laboratory ID:	05-117-02					
Diesel Range Organics	ND	32	NWTPH-Dx	5-13-21	5-13-21	X1
Lube Oil Range Organics	ND	65	NWTPH-Dx	5-13-21	5-13-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				



Date of Report: May 17, 2021
 Samples Submitted: May 12, 2021
 Laboratory Reference: 2105-117
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-39-20					
Laboratory ID:	05-117-01					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Chloromethane	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Bromomethane	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
Chloroethane	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Acetone	ND	0.010	EPA 8260D	5-13-21	5-13-21	
Iodomethane	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Methylene Chloride	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Vinyl Acetate	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
2-Butanone	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Chloroform	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Benzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Methyl Isobutyl Ketone	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
Toluene	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	



Date of Report: May 17, 2021
 Samples Submitted: May 12, 2021
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VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-39-20					
Laboratory ID:	05-117-01					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
2-Hexanone	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-13-21	5-13-21	
o-Xylene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Styrene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Bromoform	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Hexachlorobutadiene	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
Naphthalene	ND	0.0051	EPA 8260D	5-13-21	5-13-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-130</i>				



Date of Report: May 17, 2021
 Samples Submitted: May 12, 2021
 Laboratory Reference: 2105-117
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-40-55					
Laboratory ID:	05-117-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Chloromethane	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Bromomethane	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
Chloroethane	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Acetone	ND	0.012	EPA 8260D	5-13-21	5-13-21	
Iodomethane	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Methylene Chloride	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Vinyl Acetate	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
2-Butanone	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Chloroform	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Benzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
2-Chloroethyl Vinyl Ether	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Methyl Isobutyl Ketone	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
Toluene	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	



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 Samples Submitted: May 12, 2021
 Laboratory Reference: 2105-117
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-40-55					
Laboratory ID:	05-117-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
2-Hexanone	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
m,p-Xylene	ND	0.0025	EPA 8260D	5-13-21	5-13-21	
o-Xylene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Styrene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Bromoform	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
1,2-Dibromo-3-chloropropane	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
Hexachlorobutadiene	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
Naphthalene	ND	0.0062	EPA 8260D	5-13-21	5-13-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-13-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-39-20					
Laboratory ID:	05-117-01					
n-Nitrosodimethylamine	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Pyridine	ND	0.42	EPA 8270E	5-14-21	5-16-21	
Phenol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Aniline	ND	0.21	EPA 8270E	5-14-21	5-16-21	
bis(2-Chloroethyl)ether	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2-Chlorophenol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
1,3-Dichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
1,4-Dichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Benzyl alcohol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
1,2-Dichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2-Methylphenol (o-Cresol)	ND	0.042	EPA 8270E	5-14-21	5-16-21	
bis(2-Chloroisopropyl)ether	ND	0.042	EPA 8270E	5-14-21	5-16-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.042	EPA 8270E	5-14-21	5-16-21	
n-Nitroso-di-n-propylamine	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Hexachloroethane	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Nitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Isophorone	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2-Nitrophenol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2,4-Dimethylphenol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
bis(2-Chloroethoxy)methane	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2,4-Dichlorophenol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
1,2,4-Trichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Naphthalene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
4-Chloroaniline	ND	0.21	EPA 8270E	5-14-21	5-16-21	
Hexachlorobutadiene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
4-Chloro-3-methylphenol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
1-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Hexachlorocyclopentadiene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2,4,6-Trichlorophenol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2,3-Dichloroaniline	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2,4,5-Trichlorophenol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2-Chloronaphthalene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2-Nitroaniline	ND	0.042	EPA 8270E	5-14-21	5-16-21	
1,4-Dinitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Dimethylphthalate	ND	0.042	EPA 8270E	5-14-21	5-16-21	
1,3-Dinitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2,6-Dinitrotoluene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
1,2-Dinitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Acenaphthylene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
3-Nitroaniline	ND	0.042	EPA 8270E	5-14-21	5-16-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-39-20					
Laboratory ID:	05-117-01					
2,4-Dinitrophenol	ND	0.21	EPA 8270E	5-14-21	5-16-21	
Acenaphthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
4-Nitrophenol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2,4-Dinitrotoluene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Dibenzofuran	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2,3,5,6-Tetrachlorophenol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
2,3,4,6-Tetrachlorophenol	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Diethylphthalate	ND	0.21	EPA 8270E	5-14-21	5-16-21	
4-Chlorophenyl-phenylether	ND	0.042	EPA 8270E	5-14-21	5-16-21	
4-Nitroaniline	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Fluorene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
4,6-Dinitro-2-methylphenol	ND	0.21	EPA 8270E	5-14-21	5-16-21	
n-Nitrosodiphenylamine	ND	0.042	EPA 8270E	5-14-21	5-16-21	
1,2-Diphenylhydrazine	ND	0.042	EPA 8270E	5-14-21	5-16-21	
4-Bromophenyl-phenylether	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Hexachlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Pentachlorophenol	ND	0.21	EPA 8270E	5-14-21	5-16-21	
Phenanthrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Anthracene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Carbazole	ND	0.042	EPA 8270E	5-14-21	5-16-21	
Di-n-butylphthalate	ND	0.21	EPA 8270E	5-14-21	5-16-21	
Fluoranthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Pyrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Butylbenzylphthalate	ND	0.21	EPA 8270E	5-14-21	5-16-21	
bis-2-Ethylhexyladipate	ND	0.21	EPA 8270E	5-14-21	5-16-21	
3,3'-Dichlorobenzidine	ND	0.21	EPA 8270E	5-14-21	5-16-21	
Benzo[a]anthracene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Chrysene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
bis(2-Ethylhexyl)phthalate	ND	0.21	EPA 8270E	5-14-21	5-16-21	
Di-n-octylphthalate	ND	0.21	EPA 8270E	5-14-21	5-16-21	
Benzo[b]fluoranthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo(j,k)fluoranthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo[a]pyrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Indeno[1,2,3-cd]pyrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Dibenz[a,h]anthracene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo[g,h,i]perylene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>66</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>73</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>66</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>74</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>83</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>79</i>	<i>41 - 115</i>				



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-40-55					
Laboratory ID:	05-117-02					
n-Nitrosodimethylamine	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Pyridine	ND	0.43	EPA 8270E	5-14-21	5-17-21	
Phenol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Aniline	ND	0.22	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroethyl)ether	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2-Chlorophenol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
1,3-Dichlorobenzene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
1,4-Dichlorobenzene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Benzyl alcohol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
1,2-Dichlorobenzene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2-Methylphenol (o-Cresol)	ND	0.043	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroisopropyl)ether	ND	0.043	EPA 8270E	5-14-21	5-17-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.043	EPA 8270E	5-14-21	5-17-21	
n-Nitroso-di-n-propylamine	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Hexachloroethane	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Nitrobenzene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Isophorone	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2-Nitrophenol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2,4-Dimethylphenol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroethoxy)methane	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2,4-Dichlorophenol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
1,2,4-Trichlorobenzene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Naphthalene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
4-Chloroaniline	ND	0.22	EPA 8270E	5-14-21	5-17-21	
Hexachlorobutadiene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
4-Chloro-3-methylphenol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2-Methylnaphthalene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
1-Methylnaphthalene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
Hexachlorocyclopentadiene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2,4,6-Trichlorophenol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2,3-Dichloroaniline	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2,4,5-Trichlorophenol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2-Chloronaphthalene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2-Nitroaniline	ND	0.043	EPA 8270E	5-14-21	5-17-21	
1,4-Dinitrobenzene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Dimethylphthalate	ND	0.043	EPA 8270E	5-14-21	5-17-21	
1,3-Dinitrobenzene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2,6-Dinitrotoluene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
1,2-Dinitrobenzene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Acenaphthylene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
3-Nitroaniline	ND	0.043	EPA 8270E	5-14-21	5-17-21	



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 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-40-55					
Laboratory ID:	05-117-02					
2,4-Dinitrophenol	ND	0.22	EPA 8270E	5-14-21	5-17-21	
Acenaphthene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
4-Nitrophenol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2,4-Dinitrotoluene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Dibenzofuran	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2,3,5,6-Tetrachlorophenol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
2,3,4,6-Tetrachlorophenol	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Diethylphthalate	ND	0.22	EPA 8270E	5-14-21	5-17-21	
4-Chlorophenyl-phenylether	ND	0.043	EPA 8270E	5-14-21	5-17-21	
4-Nitroaniline	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Fluorene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
4,6-Dinitro-2-methylphenol	ND	0.22	EPA 8270E	5-14-21	5-17-21	
n-Nitrosodiphenylamine	ND	0.043	EPA 8270E	5-14-21	5-17-21	
1,2-Diphenylhydrazine	ND	0.043	EPA 8270E	5-14-21	5-17-21	
4-Bromophenyl-phenylether	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Hexachlorobenzene	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Pentachlorophenol	ND	0.22	EPA 8270E	5-14-21	5-17-21	
Phenanthrene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
Anthracene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
Carbazole	ND	0.043	EPA 8270E	5-14-21	5-17-21	
Di-n-butylphthalate	ND	0.22	EPA 8270E	5-14-21	5-17-21	
Fluoranthene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
Pyrene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
Butylbenzylphthalate	ND	0.22	EPA 8270E	5-14-21	5-17-21	
bis-2-Ethylhexyladipate	ND	0.22	EPA 8270E	5-14-21	5-17-21	
3,3'-Dichlorobenzidine	ND	0.22	EPA 8270E	5-14-21	5-17-21	
Benzo[a]anthracene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
Chrysene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
bis(2-Ethylhexyl)phthalate	ND	0.22	EPA 8270E	5-14-21	5-17-21	
Di-n-octylphthalate	ND	0.22	EPA 8270E	5-14-21	5-17-21	
Benzo[b]fluoranthene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo(j,k)fluoranthene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo[a]pyrene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
Indeno[1,2,3-cd]pyrene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
Dibenz[a,h]anthracene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo[g,h,i]perylene	ND	0.0086	EPA 8270E/SIM	5-14-21	5-16-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>68</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>75</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>66</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>75</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>84</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>77</i>	<i>41 - 115</i>				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-39-20					
Laboratory ID:	05-117-01					
Aroclor 1016	ND	0.062	EPA 8082A	5-13-21	5-13-21	
Aroclor 1221	ND	0.062	EPA 8082A	5-13-21	5-13-21	
Aroclor 1232	ND	0.062	EPA 8082A	5-13-21	5-13-21	
Aroclor 1242	ND	0.062	EPA 8082A	5-13-21	5-13-21	
Aroclor 1248	ND	0.062	EPA 8082A	5-13-21	5-13-21	
Aroclor 1254	ND	0.062	EPA 8082A	5-13-21	5-13-21	
Aroclor 1260	ND	0.062	EPA 8082A	5-13-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	95	54-135				

Client ID:	IAEX-40-55					
Laboratory ID:	05-117-02					
Aroclor 1016	ND	0.065	EPA 8082A	5-13-21	5-13-21	
Aroclor 1221	ND	0.065	EPA 8082A	5-13-21	5-13-21	
Aroclor 1232	ND	0.065	EPA 8082A	5-13-21	5-13-21	
Aroclor 1242	ND	0.065	EPA 8082A	5-13-21	5-13-21	
Aroclor 1248	ND	0.065	EPA 8082A	5-13-21	5-13-21	
Aroclor 1254	ND	0.065	EPA 8082A	5-13-21	5-13-21	
Aroclor 1260	ND	0.065	EPA 8082A	5-13-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	91	54-135				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-39-20					
Laboratory ID:	05-117-01					
alpha-BHC	ND	6.2	EPA 8081B	5-13-21	5-17-21	
gamma-BHC (Lindane)	ND	6.2	EPA 8081B	5-13-21	5-17-21	
beta-BHC	ND	6.2	EPA 8081B	5-13-21	5-17-21	
delta-BHC	ND	6.2	EPA 8081B	5-13-21	5-17-21	
Heptachlor	ND	6.2	EPA 8081B	5-13-21	5-17-21	
Aldrin	ND	6.2	EPA 8081B	5-13-21	5-17-21	
Heptachlor Epoxide	ND	6.2	EPA 8081B	5-13-21	5-17-21	
gamma-Chlordane	ND	6.2	EPA 8081B	5-13-21	5-17-21	
alpha-Chlordane	ND	12	EPA 8081B	5-13-21	5-17-21	
4,4'-DDE	ND	12	EPA 8081B	5-13-21	5-17-21	
Endosulfan I	ND	6.2	EPA 8081B	5-13-21	5-17-21	
Dieldrin	ND	12	EPA 8081B	5-13-21	5-17-21	
Endrin	ND	6.2	EPA 8081B	5-13-21	5-17-21	
4,4'-DDD	ND	12	EPA 8081B	5-13-21	5-17-21	
Endosulfan II	ND	12	EPA 8081B	5-13-21	5-17-21	
4,4'-DDT	ND	12	EPA 8081B	5-13-21	5-17-21	
Endrin Aldehyde	ND	12	EPA 8081B	5-13-21	5-17-21	
Methoxychlor	ND	12	EPA 8081B	5-13-21	5-17-21	
Endosulfan Sulfate	ND	12	EPA 8081B	5-13-21	5-17-21	
Endrin Ketone	ND	12	EPA 8081B	5-13-21	5-17-21	
Toxaphene	ND	62	EPA 8081B	5-13-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	67	30-110				
DCB	89	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-40-55					
Laboratory ID:	05-117-02					
alpha-BHC	ND	6.5	EPA 8081B	5-13-21	5-17-21	
gamma-BHC (Lindane)	ND	6.5	EPA 8081B	5-13-21	5-17-21	
beta-BHC	ND	6.5	EPA 8081B	5-13-21	5-17-21	
delta-BHC	ND	6.5	EPA 8081B	5-13-21	5-17-21	
Heptachlor	ND	6.5	EPA 8081B	5-13-21	5-17-21	
Aldrin	ND	6.5	EPA 8081B	5-13-21	5-17-21	
Heptachlor Epoxide	ND	6.5	EPA 8081B	5-13-21	5-17-21	
gamma-Chlordane	ND	6.5	EPA 8081B	5-13-21	5-17-21	
alpha-Chlordane	ND	13	EPA 8081B	5-13-21	5-17-21	
4,4'-DDE	ND	13	EPA 8081B	5-13-21	5-17-21	
Endosulfan I	ND	6.5	EPA 8081B	5-13-21	5-17-21	
Dieldrin	ND	13	EPA 8081B	5-13-21	5-17-21	
Endrin	ND	6.5	EPA 8081B	5-13-21	5-17-21	
4,4'-DDD	ND	13	EPA 8081B	5-13-21	5-17-21	
Endosulfan II	ND	13	EPA 8081B	5-13-21	5-17-21	
4,4'-DDT	ND	13	EPA 8081B	5-13-21	5-17-21	
Endrin Aldehyde	ND	13	EPA 8081B	5-13-21	5-17-21	
Methoxychlor	ND	13	EPA 8081B	5-13-21	5-17-21	
Endosulfan Sulfate	ND	13	EPA 8081B	5-13-21	5-17-21	
Endrin Ketone	ND	13	EPA 8081B	5-13-21	5-17-21	
Toxaphene	ND	65	EPA 8081B	5-13-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	67	30-110				
DCB	92	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-39-20					
Laboratory ID:	05-117-01					
Dalapon	ND	230	EPA 8151A	5-14-21	5-14-21	
Dicamba	ND	12	EPA 8151A	5-14-21	5-14-21	
MCPD	ND	1200	EPA 8151A	5-14-21	5-14-21	
MCPA	ND	2900	EPA 8151A	5-14-21	5-14-21	
Dichlorprop	ND	88	EPA 8151A	5-14-21	5-14-21	
2,4-D	ND	12	EPA 8151A	5-14-21	5-14-21	
Pentachlorophenol	ND	5.9	EPA 8151A	5-14-21	5-14-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	5-14-21	5-14-21	
2,4,5-T	ND	12	EPA 8151A	5-14-21	5-14-21	
2,4-DB	ND	12	EPA 8151A	5-14-21	5-14-21	
Dinoseb	ND	12	EPA 8151A	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	77	27-134				
Client ID:	IAEX-40-55					
Laboratory ID:	05-117-02					
Dalapon	ND	240	EPA 8151A	5-14-21	5-14-21	
Dicamba	ND	12	EPA 8151A	5-14-21	5-14-21	
MCPD	ND	1200	EPA 8151A	5-14-21	5-14-21	
MCPA	ND	3000	EPA 8151A	5-14-21	5-14-21	
Dichlorprop	ND	91	EPA 8151A	5-14-21	5-14-21	
2,4-D	ND	12	EPA 8151A	5-14-21	5-14-21	
Pentachlorophenol	ND	6.1	EPA 8151A	5-14-21	5-14-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	5-14-21	5-14-21	
2,4,5-T	ND	12	EPA 8151A	5-14-21	5-14-21	
2,4-DB	ND	12	EPA 8151A	5-14-21	5-14-21	
Dinoseb	ND	12	EPA 8151A	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	77	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-39-20					
Laboratory ID:	05-117-01					
Arsenic	ND	12	EPA 6010D	5-13-21	5-13-21	
Cadmium	ND	0.62	EPA 6010D	5-13-21	5-13-21	
Chromium	49	0.62	EPA 6010D	5-13-21	5-13-21	
Copper	7.1	1.2	EPA 6010D	5-13-21	5-13-21	
Lead	ND	6.2	EPA 6010D	5-13-21	5-13-21	
Mercury	ND	0.022	EPA 7471B	5-14-21	5-14-21	
Nickel	29	3.1	EPA 6010D	5-13-21	5-13-21	
Selenium	ND	0.62	EPA 6020B	5-14-21	5-14-21	
Zinc	23	3.1	EPA 6010D	5-13-21	5-13-21	

Client ID:	IAEX-40-55					
Laboratory ID:	05-117-02					
Arsenic	13	13	EPA 6010D	5-13-21	5-13-21	
Cadmium	ND	0.65	EPA 6010D	5-13-21	5-13-21	
Chromium	39	0.65	EPA 6010D	5-13-21	5-13-21	
Copper	7.1	1.3	EPA 6010D	5-13-21	5-13-21	
Lead	ND	6.5	EPA 6010D	5-13-21	5-13-21	
Mercury	ND	0.023	EPA 7471B	5-14-21	5-14-21	
Nickel	34	3.2	EPA 6010D	5-13-21	5-13-21	
Selenium	ND	0.65	EPA 6020B	5-14-21	5-14-21	
Zinc	26	3.2	EPA 6010D	5-13-21	5-13-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
Gasoline	ND	5.0	NWTPH-Gx	5-12-21	5-12-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	102	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-103-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				100	99	66-129		



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0513S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-13-21	5-13-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-13-21	5-13-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0513S1							
	ORIG	DUP						
Diesel Fuel #2	102	91.9	NA	NA	NA	NA	10	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				94	95	50-150		



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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0513S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Chloromethane	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Bromomethane	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
Chloroethane	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Acetone	ND	0.010	EPA 8260D	5-13-21	5-13-21	
Iodomethane	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
2-Butanone	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Chloroform	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Benzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
Toluene	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0513S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-13-21	5-13-21	
o-Xylene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Styrene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Bromoform	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
Naphthalene	ND	0.0050	EPA 8260D	5-13-21	5-13-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-13-21	5-13-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0513S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0511	0.0468	0.0500	0.0500	102	94	71-131	9	19	
Benzene	0.0512	0.0484	0.0500	0.0500	102	97	73-124	6	18	
Trichloroethene	0.0550	0.0496	0.0500	0.0500	110	99	79-130	10	18	
Toluene	0.0525	0.0477	0.0500	0.0500	105	95	76-123	10	18	
Chlorobenzene	0.0488	0.0468	0.0500	0.0500	98	94	78-122	4	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					98	95	74-131			
<i>Toluene-d8</i>					102	97	78-128			
<i>4-Bromofluorobenzene</i>					104	102	71-130			



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0514S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Pyridine	ND	0.33	EPA 8270E	5-14-21	5-16-21	
Phenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Aniline	ND	0.17	EPA 8270E	5-14-21	5-16-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-14-21	5-16-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-14-21	5-16-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-14-21	5-16-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Isophorone	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-14-21	5-16-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0514S1					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
4-Nitrophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Dibenzofuran	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-14-21	5-16-21	
4-Nitroaniline	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270E	5-14-21	5-16-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-14-21	5-16-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Carbazole	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	86	26 - 109				
Phenol-d6	96	33 - 113				
Nitrobenzene-d5	84	31 - 110				
2-Fluorobiphenyl	91	42 - 107				
2,4,6-Tribromophenol	89	42 - 123				
Terphenyl-d14	84	41 - 115				



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits		Limit		
MATRIX SPIKES											
Laboratory ID:	05-117-02										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.908	0.925	1.33	1.33	ND	68	70	33 - 105	2		36
2-Chlorophenol	1.01	1.05	1.33	1.33	ND	76	79	36 - 105	4		38
1,4-Dichlorobenzene	0.498	0.519	0.667	0.667	ND	75	78	27 - 106	4		40
n-Nitroso-di-n-propylamine	0.484	0.510	0.667	0.667	ND	73	76	28 - 111	5		35
1,2,4-Trichlorobenzene	0.506	0.543	0.667	0.667	ND	76	81	37 - 104	7		41
4-Chloro-3-methylphenol	1.06	1.06	1.33	1.33	ND	80	80	42 - 113	0		25
Acenaphthene	0.451	0.484	0.667	0.667	ND	68	73	36 - 104	7		23
4-Nitrophenol	1.16	1.13	1.33	1.33	ND	87	85	22 - 135	3		24
2,4-Dinitrotoluene	0.526	0.527	0.667	0.667	ND	79	79	25 - 114	0		26
Pentachlorophenol	1.24	1.23	1.33	1.33	ND	93	92	28 - 135	1		28
Pyrene	0.506	0.513	0.667	0.667	ND	76	77	29 - 127	1		20
<i>Surrogate:</i>											
<i>2-Fluorophenol</i>						73	77	26 - 109			
<i>Phenol-d6</i>						81	84	33 - 113			
<i>Nitrobenzene-d5</i>						70	78	31 - 110			
<i>2-Fluorobiphenyl</i>						76	82	42 - 107			
<i>2,4,6-Tribromophenol</i>						84	87	42 - 123			
<i>Terphenyl-d14</i>						74	77	41 - 115			



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**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0513S1					
Aroclor 1016	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	98		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-117-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.435	0.448	0.500	0.500	ND	87	90	62-129	3	15	
Surrogate:											
DCB						98	101	54-135			



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 Samples Submitted: May 12, 2021
 Laboratory Reference: 2105-117
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0513S1					
alpha-BHC	ND	5.0	EPA 8081B	5-13-21	5-17-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-13-21	5-17-21	
beta-BHC	ND	5.0	EPA 8081B	5-13-21	5-17-21	
delta-BHC	ND	5.0	EPA 8081B	5-13-21	5-17-21	
Heptachlor	ND	5.0	EPA 8081B	5-13-21	5-17-21	
Aldrin	ND	5.0	EPA 8081B	5-13-21	5-17-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-13-21	5-17-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-13-21	5-17-21	
alpha-Chlordane	ND	10	EPA 8081B	5-13-21	5-17-21	
4,4'-DDE	ND	10	EPA 8081B	5-13-21	5-17-21	
Endosulfan I	ND	5.0	EPA 8081B	5-13-21	5-17-21	
Dieldrin	ND	10	EPA 8081B	5-13-21	5-17-21	
Endrin	ND	5.0	EPA 8081B	5-13-21	5-17-21	
4,4'-DDD	ND	10	EPA 8081B	5-13-21	5-17-21	
Endosulfan II	ND	10	EPA 8081B	5-13-21	5-17-21	
4,4'-DDT	ND	10	EPA 8081B	5-13-21	5-17-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-13-21	5-17-21	
Methoxychlor	ND	10	EPA 8081B	5-13-21	5-17-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-13-21	5-17-21	
Endrin Ketone	ND	10	EPA 8081B	5-13-21	5-17-21	
Toxaphene	ND	50	EPA 8081B	5-13-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	68	30-110				
DCB	93	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits		Limit		
MATRIX SPIKES											
Laboratory ID:	05-117-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	99.0	99.3	100	100	ND	99	99	36-123	0	21	
gamma-BHC (Lindane)	99.9	100	100	100	ND	100	100	38-121	0	21	
beta-BHC	96.4	96.7	100	100	ND	96	97	31-125	0	21	
delta-BHC	97.8	100	100	100	ND	98	100	37-118	2	23	
Heptachlor	85.0	86.3	100	100	ND	85	86	37-123	2	24	
Aldrin	90.5	91.1	100	100	ND	91	91	45-118	1	22	
Heptachlor Epoxide	92.1	93.4	100	100	ND	92	93	46-114	1	22	
gamma-Chlordane	88.3	88.7	100	100	ND	88	89	41-120	0	23	
alpha-Chlordane	84.7	85.7	100	100	ND	85	86	43-118	1	23	
4,4'-DDE	99.9	102	100	100	ND	100	102	34-139	2	22	
Endosulfan I	95.6	96.6	100	100	ND	96	97	43-124	1	25	
Dieldrin	100	102	100	100	ND	100	102	40-128	2	23	
Endrin	96.2	97.9	100	100	ND	96	98	44-120	2	28	
4,4'-DDD	107	108	100	100	ND	107	108	42-131	1	21	
Endosulfan II	89.8	90.9	100	100	ND	90	91	47-112	1	22	
4,4'-DDT	80.7	82.4	100	100	ND	81	82	29-141	2	32	
Endrin Aldehyde	86.1	88.7	100	100	ND	86	89	41-114	3	22	
Methoxychlor	88.1	89.5	100	100	ND	88	89	31-139	2	23	
Endosulfan Sulfate	89.9	90.5	100	100	ND	90	90	48-112	1	21	
Endrin Ketone	83.8	84.6	100	100	ND	84	85	46-117	1	22	
Surrogate:											
TCMX						67	68	30-110			
DCB						95	97	40-117			



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**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0514S1					
Dalapon	ND	180	EPA 8151A	5-14-21	5-14-21	
Dicamba	ND	9.4	EPA 8151A	5-14-21	5-14-21	
MCPP	ND	940	EPA 8151A	5-14-21	5-14-21	
MCPA	ND	2300	EPA 8151A	5-14-21	5-14-21	
Dichlorprop	ND	71	EPA 8151A	5-14-21	5-14-21	
2,4-D	ND	9.4	EPA 8151A	5-14-21	5-14-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-14-21	5-14-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-14-21	5-14-21	
2,4,5-T	ND	9.5	EPA 8151A	5-14-21	5-14-21	
2,4-DB	ND	9.5	EPA 8151A	5-14-21	5-14-21	
Dinoseb	ND	9.5	EPA 8151A	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	61	27-134				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0514S1										
	SB	SBD	SB	SBD		SB	SBD				
Dalapon	599	899	1250	1250	N/A	48	72	10-68	40	38	L
Dicamba	211	223	250	250	N/A	84	89	52-101	6	18	
MCPP	17700	18300	25000	25000	N/A	71	73	63-105	3	21	
MCPA	17100	17700	25000	25000	N/A	68	71	45-107	3	21	
Dichlorprop	192	194	250	250	N/A	77	78	54-106	1	18	
2,4-D	168	174	250	250	N/A	67	70	33-95	4	25	
Pentachlorophenol	23.8	23.5	25.0	25.0	N/A	95	94	48-125	1	20	
2,4,5-TP (Silvex)	226	229	250	250	N/A	90	92	62-115	1	17	
2,4,5-T	201	211	250	250	N/A	80	84	48-108	5	21	
2,4-DB	179	177	250	250	N/A	71	71	45-114	1	23	
Dinoseb	195	201	250	250	N/A	78	81	51-124	3	27	
<i>Surrogate:</i>											
DCAA						95	93	27-134			



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**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0513SM1					
Arsenic	ND	10	EPA 6010D	5-13-21	5-13-21	
Cadmium	ND	0.50	EPA 6010D	5-13-21	5-13-21	
Chromium	ND	0.50	EPA 6010D	5-13-21	5-13-21	
Copper	ND	1.0	EPA 6010D	5-13-21	5-13-21	
Lead	ND	5.0	EPA 6010D	5-13-21	5-13-21	
Nickel	ND	2.5	EPA 6010D	5-13-21	5-13-21	
Zinc	ND	2.5	EPA 6010D	5-13-21	5-13-21	
Laboratory ID:	MB0514SM1					
Selenium	ND	0.50	EPA 6020B	5-14-21	5-14-21	
Laboratory ID:	MB0514S1					
Mercury	ND	0.018	EPA 7471B	5-14-21	5-14-21	



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 Project: 6694-002-03 T700

TOTAL METALS
EPA 6010D/6020B/7471B
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags		
DUPLICATE										
Laboratory ID:	05-117-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA	NA	NA	NA	20		
Cadmium	ND	ND	NA	NA	NA	NA	NA	20		
Chromium	39.5	40.7	NA	NA	NA	NA	3	20		
Copper	5.70	5.65	NA	NA	NA	NA	1	20		
Lead	ND	ND	NA	NA	NA	NA	NA	20		
Nickel	23.1	24.7	NA	NA	NA	NA	7	20		
Zinc	18.1	19.9	NA	NA	NA	NA	9	20		
Laboratory ID:	05-103-01									
Selenium	ND	ND	NA	NA	NA	NA	NA	20		
Laboratory ID:	05-103-01									
Mercury	ND	ND	NA	NA	NA	NA	NA	20		
MATRIX SPIKES										
Laboratory ID:	05-117-01									
	MS	MSD	MS	MSD	MS	MSD				
Arsenic	93.6	90.5	100	100	ND	94	91	75-125	3	20
Cadmium	42.8	41.3	50.0	50.0	ND	86	83	75-125	3	20
Chromium	135	129	100	100	39.5	96	89	75-125	5	20
Copper	53.1	51.1	50.0	50.0	5.70	95	91	75-125	4	20
Lead	242	232	250	250	ND	97	93	75-125	4	20
Nickel	123	118	100	100	23.1	100	95	75-125	4	20
Zinc	112	109	100	100	18.1	94	91	75-125	3	20
Laboratory ID:	05-103-01									
Selenium	80.8	85.5	100	100	ND	81	86	75-125	6	20
Laboratory ID:	05-103-01									
Mercury	0.598	0.565	0.500	0.500	0.0117	117	111	80-120	6	20



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% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-39-20	05-117-01	20	5-13-21
IAEX-40-55	05-117-02	23	5-13-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (In working days)
 (Check One)

Laboratory Number: **05-117**

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other) _____

Company: GeoEngineers

Project Number: 6694-002-03 T700

Project Name: Go East Corp Landfill Site

Project Manager: Rob Leet

Sampled by: Paul Robinette

Lab ID

Sample Identification

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	X
NWTPH-Dx (Dx Acid / SG Clean-up)	X
Volatiles 8260C	X
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	X
PAHs 8270D/SIM (low-level)	X
PCBs 8082A	X
Organochlorine Pesticides 8081B	X
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	X
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
TOTAL METALS *	X
% Moisture	X

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	IAEX-39-20	5/12/21	1010	S	6
2	IAEX-48-55	5/12/21	1020	S	6

Signature	Company	Date	Time	Comments/Special Instructions
	GEI	5/12/21	3:00	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc
	alpha	5/12/21	3:44	**PCB's as Aroclors
	GRE	5/12/21	1544	

Received _____
 Relinquished _____
 Received _____
 Relinquished _____
 Received _____
 Relinquished _____
 Reviewed/Date _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 18, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-130

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 13, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 18, 2021
Samples Submitted: May 13, 2021
Laboratory Reference: 2105-130
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 13, 2021 and received by the laboratory on May 13, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Chlorinated Acid Herbicides EPA 8151A Analysis

The RPD for Dalapon was above the quality control limit between the spike blank and spike blank duplicate. All other quality control values were within control limits and no further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: May 18, 2021
Samples Submitted: May 13, 2021
Laboratory Reference: 2105-130
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-41-20	05-130-01	Soil	5-13-21	5-13-21	
IAEX-42-20	05-130-02	Soil	5-13-21	5-13-21	
IAEX-43-30	05-130-03	Soil	5-13-21	5-13-21	



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-41-20					
Laboratory ID:	05-130-01					
Gasoline	ND	6.0	NWTPH-Gx	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-129				
Client ID:	IAEX-42-20					
Laboratory ID:	05-130-02					
Gasoline	ND	7.4	NWTPH-Gx	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	103	66-129				
Client ID:	IAEX-43-30					
Laboratory ID:	05-130-03					
Gasoline	ND	6.6	NWTPH-Gx	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	103	66-129				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-41-20					
Laboratory ID:	05-130-01					
Diesel Range Organics	ND	30	NWTPH-Dx	5-13-21	5-14-21	X1
Lube Oil Range Organics	ND	60	NWTPH-Dx	5-13-21	5-14-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	75	50-150				

Client ID:	IAEX-42-20					
Laboratory ID:	05-130-02					
Diesel Range Organics	ND	31	NWTPH-Dx	5-13-21	5-14-21	X1
Lube Oil Range Organics	ND	63	NWTPH-Dx	5-13-21	5-14-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				

Client ID:	IAEX-43-30					
Laboratory ID:	05-130-03					
Diesel Range Organics	ND	31	NWTPH-Dx	5-13-21	5-14-21	X1
Lube Oil Range Organics	ND	63	NWTPH-Dx	5-13-21	5-14-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-41-20					
Laboratory ID:	05-130-01					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Chloromethane	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Bromomethane	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
Chloroethane	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Acetone	ND	0.011	EPA 8260D	5-14-21	5-14-21	
Iodomethane	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Methylene Chloride	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Vinyl Acetate	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
2-Butanone	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Chloroform	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Benzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Methyl Isobutyl Ketone	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
Toluene	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-41-20					
Laboratory ID:	05-130-01					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
2-Hexanone	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
m,p-Xylene	ND	0.0022	EPA 8260D	5-14-21	5-14-21	
o-Xylene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Styrene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Bromoform	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
Hexachlorobutadiene	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
Naphthalene	ND	0.0055	EPA 8260D	5-14-21	5-14-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-130</i>				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-42-20					
Laboratory ID:	05-130-02					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Chloromethane	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Bromomethane	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
Chloroethane	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Acetone	ND	0.013	EPA 8260D	5-14-21	5-14-21	
Iodomethane	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Methylene Chloride	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Vinyl Acetate	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
2-Butanone	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
Bromochloromethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Chloroform	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Benzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Trichloroethene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Dibromomethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Methyl Isobutyl Ketone	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
Toluene	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	



Date of Report: May 18, 2021
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VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-42-20					
Laboratory ID:	05-130-02					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
2-Hexanone	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Chlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Ethylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
m,p-Xylene	ND	0.0025	EPA 8260D	5-14-21	5-14-21	
o-Xylene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Styrene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Bromoform	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Bromobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2-Dibromo-3-chloropropane	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Hexachlorobutadiene	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
Naphthalene	ND	0.0063	EPA 8260D	5-14-21	5-14-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-43-30					
Laboratory ID:	05-130-03					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Chloromethane	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Bromomethane	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
Chloroethane	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Acetone	0.050	0.013	EPA 8260D	5-14-21	5-14-21	
Iodomethane	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Methylene Chloride	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Vinyl Acetate	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
2-Butanone	0.0080	0.0067	EPA 8260D	5-14-21	5-14-21	
Bromochloromethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Chloroform	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Benzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Trichloroethene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Dibromomethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
2-Chloroethyl Vinyl Ether	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Methyl Isobutyl Ketone	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
Toluene	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-43-30					
Laboratory ID:	05-130-03					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
2-Hexanone	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Chlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Ethylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
m,p-Xylene	ND	0.0027	EPA 8260D	5-14-21	5-14-21	
o-Xylene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Styrene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Bromoform	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Bromobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
1,2-Dibromo-3-chloropropane	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
Hexachlorobutadiene	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
Naphthalene	ND	0.0067	EPA 8260D	5-14-21	5-14-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-130</i>				



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-41-20					
Laboratory ID:	05-130-01					
n-Nitrosodimethylamine	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Pyridine	ND	0.40	EPA 8270E	5-14-21	5-17-21	
Phenol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Aniline	ND	0.20	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroethyl)ether	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2-Chlorophenol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
1,3-Dichlorobenzene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
1,4-Dichlorobenzene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Benzyl alcohol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
1,2-Dichlorobenzene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2-Methylphenol (o-Cresol)	ND	0.040	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroisopropyl)ether	ND	0.040	EPA 8270E	5-14-21	5-17-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.040	EPA 8270E	5-14-21	5-17-21	
n-Nitroso-di-n-propylamine	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Hexachloroethane	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Nitrobenzene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Isophorone	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2-Nitrophenol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2,4-Dimethylphenol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroethoxy)methane	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2,4-Dichlorophenol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
1,2,4-Trichlorobenzene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Naphthalene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
4-Chloroaniline	ND	0.20	EPA 8270E	5-14-21	5-17-21	
Hexachlorobutadiene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
4-Chloro-3-methylphenol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2-Methylnaphthalene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
1-Methylnaphthalene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
Hexachlorocyclopentadiene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2,4,6-Trichlorophenol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2,3-Dichloroaniline	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2,4,5-Trichlorophenol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2-Chloronaphthalene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2-Nitroaniline	ND	0.040	EPA 8270E	5-14-21	5-17-21	
1,4-Dinitrobenzene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Dimethylphthalate	ND	0.040	EPA 8270E	5-14-21	5-17-21	
1,3-Dinitrobenzene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2,6-Dinitrotoluene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
1,2-Dinitrobenzene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Acenaphthylene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
3-Nitroaniline	ND	0.040	EPA 8270E	5-14-21	5-17-21	



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 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-41-20					
Laboratory ID:	05-130-01					
2,4-Dinitrophenol	ND	0.20	EPA 8270E	5-14-21	5-17-21	
Acenaphthene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
4-Nitrophenol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2,4-Dinitrotoluene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Dibenzofuran	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2,3,5,6-Tetrachlorophenol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
2,3,4,6-Tetrachlorophenol	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Diethylphthalate	ND	0.20	EPA 8270E	5-14-21	5-17-21	
4-Chlorophenyl-phenylether	ND	0.040	EPA 8270E	5-14-21	5-17-21	
4-Nitroaniline	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Fluorene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
4,6-Dinitro-2-methylphenol	ND	0.20	EPA 8270E	5-14-21	5-17-21	
n-Nitrosodiphenylamine	ND	0.040	EPA 8270E	5-14-21	5-17-21	
1,2-Diphenylhydrazine	ND	0.040	EPA 8270E	5-14-21	5-17-21	
4-Bromophenyl-phenylether	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Hexachlorobenzene	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Pentachlorophenol	ND	0.20	EPA 8270E	5-14-21	5-17-21	
Phenanthrene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
Anthracene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
Carbazole	ND	0.040	EPA 8270E	5-14-21	5-17-21	
Di-n-butylphthalate	ND	0.20	EPA 8270E	5-14-21	5-17-21	
Fluoranthene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
Pyrene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
Butylbenzylphthalate	ND	0.20	EPA 8270E	5-14-21	5-17-21	
bis-2-Ethylhexyladipate	ND	0.20	EPA 8270E	5-14-21	5-17-21	
3,3'-Dichlorobenzidine	ND	0.20	EPA 8270E	5-14-21	5-17-21	
Benzo[a]anthracene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
Chrysene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
bis(2-Ethylhexyl)phthalate	ND	0.20	EPA 8270E	5-14-21	5-17-21	
Di-n-octylphthalate	ND	0.20	EPA 8270E	5-14-21	5-17-21	
Benzo[b]fluoranthene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo(j,k)fluoranthene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo[a]pyrene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
Indeno[1,2,3-cd]pyrene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
Dibenz[a,h]anthracene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo[g,h,i]perylene	ND	0.0080	EPA 8270E/SIM	5-14-21	5-16-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>74</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>84</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>72</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>80</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>84</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>76</i>	<i>41 - 115</i>				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-42-20					
Laboratory ID:	05-130-02					
n-Nitrosodimethylamine	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Pyridine	ND	0.42	EPA 8270E	5-14-21	5-17-21	
Phenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Aniline	ND	0.21	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroethyl)ether	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Chlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,3-Dichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,4-Dichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Benzyl alcohol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,2-Dichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Methylphenol (o-Cresol)	ND	0.042	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroisopropyl)ether	ND	0.042	EPA 8270E	5-14-21	5-17-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.042	EPA 8270E	5-14-21	5-17-21	
n-Nitroso-di-n-propylamine	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Hexachloroethane	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Nitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Isophorone	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Nitrophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,4-Dimethylphenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroethoxy)methane	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,4-Dichlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,2,4-Trichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Naphthalene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
4-Chloroaniline	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Hexachlorobutadiene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
4-Chloro-3-methylphenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
1-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Hexachlorocyclopentadiene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,4,6-Trichlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,3-Dichloroaniline	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,4,5-Trichlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Chloronaphthalene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Nitroaniline	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,4-Dinitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Dimethylphthalate	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,3-Dinitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,6-Dinitrotoluene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,2-Dinitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Acenaphthylene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
3-Nitroaniline	ND	0.042	EPA 8270E	5-14-21	5-17-21	



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 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-42-20					
Laboratory ID:	05-130-02					
2,4-Dinitrophenol	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Acenaphthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
4-Nitrophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,4-Dinitrotoluene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Dibenzofuran	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,3,5,6-Tetrachlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,3,4,6-Tetrachlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Diethylphthalate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
4-Chlorophenyl-phenylether	ND	0.042	EPA 8270E	5-14-21	5-17-21	
4-Nitroaniline	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Fluorene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
4,6-Dinitro-2-methylphenol	ND	0.21	EPA 8270E	5-14-21	5-17-21	
n-Nitrosodiphenylamine	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,2-Diphenylhydrazine	ND	0.042	EPA 8270E	5-14-21	5-17-21	
4-Bromophenyl-phenylether	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Hexachlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Pentachlorophenol	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Phenanthrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Anthracene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Carbazole	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Di-n-butylphthalate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Fluoranthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Pyrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Butylbenzylphthalate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
bis-2-Ethylhexyladipate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
3,3'-Dichlorobenzidine	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Benzo[a]anthracene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Chrysene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
bis(2-Ethylhexyl)phthalate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Di-n-octylphthalate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Benzo[b]fluoranthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo(j,k)fluoranthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo[a]pyrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Indeno[1,2,3-cd]pyrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Dibenz[a,h]anthracene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo[g,h,i]perylene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>61</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>71</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>60</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>70</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>84</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>75</i>	<i>41 - 115</i>				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-43-30					
Laboratory ID:	05-130-03					
n-Nitrosodimethylamine	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Pyridine	ND	0.42	EPA 8270E	5-14-21	5-17-21	
Phenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Aniline	ND	0.21	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroethyl)ether	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Chlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,3-Dichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,4-Dichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Benzyl alcohol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,2-Dichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Methylphenol (o-Cresol)	ND	0.042	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroisopropyl)ether	ND	0.042	EPA 8270E	5-14-21	5-17-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.042	EPA 8270E	5-14-21	5-17-21	
n-Nitroso-di-n-propylamine	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Hexachloroethane	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Nitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Isophorone	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Nitrophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,4-Dimethylphenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
bis(2-Chloroethoxy)methane	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,4-Dichlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,2,4-Trichlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Naphthalene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
4-Chloroaniline	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Hexachlorobutadiene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
4-Chloro-3-methylphenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
1-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Hexachlorocyclopentadiene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,4,6-Trichlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,3-Dichloroaniline	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,4,5-Trichlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Chloronaphthalene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2-Nitroaniline	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,4-Dinitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Dimethylphthalate	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,3-Dinitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,6-Dinitrotoluene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,2-Dinitrobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Acenaphthylene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
3-Nitroaniline	ND	0.042	EPA 8270E	5-14-21	5-17-21	



Date of Report: May 18, 2021
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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-43-30					
Laboratory ID:	05-130-03					
2,4-Dinitrophenol	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Acenaphthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
4-Nitrophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,4-Dinitrotoluene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Dibenzofuran	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,3,5,6-Tetrachlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
2,3,4,6-Tetrachlorophenol	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Diethylphthalate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
4-Chlorophenyl-phenylether	ND	0.042	EPA 8270E	5-14-21	5-17-21	
4-Nitroaniline	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Fluorene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
4,6-Dinitro-2-methylphenol	ND	0.21	EPA 8270E	5-14-21	5-17-21	
n-Nitrosodiphenylamine	ND	0.042	EPA 8270E	5-14-21	5-17-21	
1,2-Diphenylhydrazine	ND	0.042	EPA 8270E	5-14-21	5-17-21	
4-Bromophenyl-phenylether	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Hexachlorobenzene	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Pentachlorophenol	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Phenanthrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Anthracene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Carbazole	ND	0.042	EPA 8270E	5-14-21	5-17-21	
Di-n-butylphthalate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Fluoranthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Pyrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Butylbenzylphthalate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
bis-2-Ethylhexyladipate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
3,3'-Dichlorobenzidine	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Benzo[a]anthracene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Chrysene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
bis(2-Ethylhexyl)phthalate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Di-n-octylphthalate	ND	0.21	EPA 8270E	5-14-21	5-17-21	
Benzo[b]fluoranthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo(j,k)fluoranthene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo[a]pyrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Indeno[1,2,3-cd]pyrene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Dibenz[a,h]anthracene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
Benzo[g,h,i]perylene	ND	0.0083	EPA 8270E/SIM	5-14-21	5-16-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>83</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>91</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>78</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>88</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>89</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>81</i>	<i>41 - 115</i>				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-41-20					
Laboratory ID:	05-130-01					
Aroclor 1016	ND	0.060	EPA 8082A	5-13-21	5-15-21	
Aroclor 1221	ND	0.060	EPA 8082A	5-13-21	5-15-21	
Aroclor 1232	ND	0.060	EPA 8082A	5-13-21	5-15-21	
Aroclor 1242	ND	0.060	EPA 8082A	5-13-21	5-15-21	
Aroclor 1248	ND	0.060	EPA 8082A	5-13-21	5-15-21	
Aroclor 1254	ND	0.060	EPA 8082A	5-13-21	5-15-21	
Aroclor 1260	ND	0.060	EPA 8082A	5-13-21	5-15-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	92	54-135				
Client ID:	IAEX-42-20					
Laboratory ID:	05-130-02					
Aroclor 1016	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1221	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1232	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1242	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1248	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1254	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1260	ND	0.063	EPA 8082A	5-13-21	5-15-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	84	54-135				
Client ID:	IAEX-43-30					
Laboratory ID:	05-130-03					
Aroclor 1016	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1221	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1232	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1242	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1248	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1254	ND	0.063	EPA 8082A	5-13-21	5-15-21	
Aroclor 1260	ND	0.063	EPA 8082A	5-13-21	5-15-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	87	54-135				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-41-20					
Laboratory ID:	05-130-01					
alpha-BHC	ND	6.0	EPA 8081B	5-13-21	5-17-21	
gamma-BHC (Lindane)	ND	6.0	EPA 8081B	5-13-21	5-17-21	
beta-BHC	ND	6.0	EPA 8081B	5-13-21	5-17-21	
delta-BHC	ND	6.0	EPA 8081B	5-13-21	5-17-21	
Heptachlor	ND	6.0	EPA 8081B	5-13-21	5-17-21	
Aldrin	ND	6.0	EPA 8081B	5-13-21	5-17-21	
Heptachlor Epoxide	ND	6.0	EPA 8081B	5-13-21	5-17-21	
gamma-Chlordane	ND	6.0	EPA 8081B	5-13-21	5-17-21	
alpha-Chlordane	ND	12	EPA 8081B	5-13-21	5-17-21	
4,4'-DDE	ND	12	EPA 8081B	5-13-21	5-17-21	
Endosulfan I	ND	6.0	EPA 8081B	5-13-21	5-17-21	
Dieldrin	ND	12	EPA 8081B	5-13-21	5-17-21	
Endrin	ND	6.0	EPA 8081B	5-13-21	5-17-21	
4,4'-DDD	ND	12	EPA 8081B	5-13-21	5-17-21	
Endosulfan II	ND	12	EPA 8081B	5-13-21	5-17-21	
4,4'-DDT	ND	12	EPA 8081B	5-13-21	5-17-21	
Endrin Aldehyde	ND	12	EPA 8081B	5-13-21	5-17-21	
Methoxychlor	ND	12	EPA 8081B	5-13-21	5-17-21	
Endosulfan Sulfate	ND	12	EPA 8081B	5-13-21	5-17-21	
Endrin Ketone	ND	12	EPA 8081B	5-13-21	5-17-21	
Toxaphene	ND	60	EPA 8081B	5-13-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	67	30-110				
DCB	89	40-117				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-42-20					
Laboratory ID:	05-130-02					
alpha-BHC	ND	6.3	EPA 8081B	5-13-21	5-17-21	
gamma-BHC (Lindane)	ND	6.3	EPA 8081B	5-13-21	5-17-21	
beta-BHC	ND	6.3	EPA 8081B	5-13-21	5-17-21	
delta-BHC	ND	6.3	EPA 8081B	5-13-21	5-17-21	
Heptachlor	ND	6.3	EPA 8081B	5-13-21	5-17-21	
Aldrin	ND	6.3	EPA 8081B	5-13-21	5-17-21	
Heptachlor Epoxide	ND	6.3	EPA 8081B	5-13-21	5-17-21	
gamma-Chlordane	ND	6.3	EPA 8081B	5-13-21	5-17-21	
alpha-Chlordane	ND	13	EPA 8081B	5-13-21	5-17-21	
4,4'-DDE	ND	13	EPA 8081B	5-13-21	5-17-21	
Endosulfan I	ND	6.3	EPA 8081B	5-13-21	5-17-21	
Dieldrin	ND	13	EPA 8081B	5-13-21	5-17-21	
Endrin	ND	6.3	EPA 8081B	5-13-21	5-17-21	
4,4'-DDD	ND	13	EPA 8081B	5-13-21	5-17-21	
Endosulfan II	ND	13	EPA 8081B	5-13-21	5-17-21	
4,4'-DDT	ND	13	EPA 8081B	5-13-21	5-17-21	
Endrin Aldehyde	ND	13	EPA 8081B	5-13-21	5-17-21	
Methoxychlor	ND	13	EPA 8081B	5-13-21	5-17-21	
Endosulfan Sulfate	ND	13	EPA 8081B	5-13-21	5-17-21	
Endrin Ketone	ND	13	EPA 8081B	5-13-21	5-17-21	
Toxaphene	ND	63	EPA 8081B	5-13-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	66	30-110				
DCB	88	40-117				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-43-30					
Laboratory ID:	05-130-03					
alpha-BHC	ND	6.3	EPA 8081B	5-13-21	5-17-21	
gamma-BHC (Lindane)	ND	6.3	EPA 8081B	5-13-21	5-17-21	
beta-BHC	ND	6.3	EPA 8081B	5-13-21	5-17-21	
delta-BHC	ND	6.3	EPA 8081B	5-13-21	5-17-21	
Heptachlor	ND	6.3	EPA 8081B	5-13-21	5-17-21	
Aldrin	ND	6.3	EPA 8081B	5-13-21	5-17-21	
Heptachlor Epoxide	ND	6.3	EPA 8081B	5-13-21	5-17-21	
gamma-Chlordane	ND	6.3	EPA 8081B	5-13-21	5-17-21	
alpha-Chlordane	ND	13	EPA 8081B	5-13-21	5-17-21	
4,4'-DDE	ND	13	EPA 8081B	5-13-21	5-17-21	
Endosulfan I	ND	6.3	EPA 8081B	5-13-21	5-17-21	
Dieldrin	ND	13	EPA 8081B	5-13-21	5-17-21	
Endrin	ND	6.3	EPA 8081B	5-13-21	5-17-21	
4,4'-DDD	ND	13	EPA 8081B	5-13-21	5-17-21	
Endosulfan II	ND	13	EPA 8081B	5-13-21	5-17-21	
4,4'-DDT	ND	13	EPA 8081B	5-13-21	5-17-21	
Endrin Aldehyde	ND	13	EPA 8081B	5-13-21	5-17-21	
Methoxychlor	ND	13	EPA 8081B	5-13-21	5-17-21	
Endosulfan Sulfate	ND	13	EPA 8081B	5-13-21	5-17-21	
Endrin Ketone	ND	13	EPA 8081B	5-13-21	5-17-21	
Toxaphene	ND	63	EPA 8081B	5-13-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	69	30-110				
DCB	92	40-117				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-41-20					
Laboratory ID:	05-130-01					
Dalapon	ND	220	EPA 8151A	5-14-21	5-14-21	
Dicamba	ND	11	EPA 8151A	5-14-21	5-14-21	
MCPD	ND	1100	EPA 8151A	5-14-21	5-14-21	
MCPA	ND	2800	EPA 8151A	5-14-21	5-14-21	
Dichlorprop	ND	85	EPA 8151A	5-14-21	5-14-21	
2,4-D	ND	11	EPA 8151A	5-14-21	5-14-21	
Pentachlorophenol	ND	5.7	EPA 8151A	5-14-21	5-14-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-14-21	5-14-21	
2,4,5-T	ND	11	EPA 8151A	5-14-21	5-14-21	
2,4-DB	ND	11	EPA 8151A	5-14-21	5-14-21	
Dinoseb	ND	11	EPA 8151A	5-14-21	5-14-21	

Surrogate: *Percent Recovery* *Control Limits*
 DCAA 71 27-134

Client ID:	IAEX-42-20					
Laboratory ID:	05-130-02					
Dalapon	ND	230	EPA 8151A	5-14-21	5-14-21	
Dicamba	ND	12	EPA 8151A	5-14-21	5-14-21	
MCPD	ND	1200	EPA 8151A	5-14-21	5-14-21	
MCPA	ND	2900	EPA 8151A	5-14-21	5-14-21	
Dichlorprop	ND	89	EPA 8151A	5-14-21	5-14-21	
2,4-D	ND	12	EPA 8151A	5-14-21	5-14-21	
Pentachlorophenol	ND	5.9	EPA 8151A	5-14-21	5-14-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	5-14-21	5-14-21	
2,4,5-T	ND	12	EPA 8151A	5-14-21	5-14-21	
2,4-DB	ND	12	EPA 8151A	5-14-21	5-14-21	
Dinoseb	ND	12	EPA 8151A	5-14-21	5-14-21	

Surrogate: *Percent Recovery* *Control Limits*
 DCAA 68 27-134



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-43-30					
Laboratory ID:	05-130-03					
Dalapon	ND	230	EPA 8151A	5-14-21	5-14-21	
Dicamba	ND	12	EPA 8151A	5-14-21	5-14-21	
MCPPP	ND	1200	EPA 8151A	5-14-21	5-14-21	
MCPA	ND	2900	EPA 8151A	5-14-21	5-14-21	
Dichlorprop	ND	89	EPA 8151A	5-14-21	5-14-21	
2,4-D	ND	12	EPA 8151A	5-14-21	5-14-21	
Pentachlorophenol	ND	5.9	EPA 8151A	5-14-21	5-14-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	5-14-21	5-14-21	
2,4,5-T	ND	12	EPA 8151A	5-14-21	5-14-21	
2,4-DB	ND	12	EPA 8151A	5-14-21	5-14-21	
Dinoseb	ND	12	EPA 8151A	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	73	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-41-20					
Laboratory ID:	05-130-01					
Arsenic	ND	12	EPA 6010D	5-14-21	5-14-21	
Cadmium	ND	0.60	EPA 6010D	5-14-21	5-14-21	
Chromium	24	0.60	EPA 6010D	5-14-21	5-14-21	
Copper	9.6	1.2	EPA 6010D	5-14-21	5-14-21	
Lead	ND	6.0	EPA 6010D	5-14-21	5-14-21	
Mercury	0.030	0.021	EPA 7471B	5-14-21	5-14-21	
Nickel	37	3.0	EPA 6010D	5-14-21	5-14-21	
Selenium	ND	0.60	EPA 6020B	5-14-21	5-14-21	
Zinc	23	3.0	EPA 6010D	5-14-21	5-14-21	

Client ID:	IAEX-42-20					
Laboratory ID:	05-130-02					
Arsenic	ND	13	EPA 6010D	5-14-21	5-14-21	
Cadmium	ND	0.63	EPA 6010D	5-14-21	5-14-21	
Chromium	28	0.63	EPA 6010D	5-14-21	5-14-21	
Copper	9.1	1.3	EPA 6010D	5-14-21	5-14-21	
Lead	ND	6.3	EPA 6010D	5-14-21	5-14-21	
Mercury	0.024	0.022	EPA 7471B	5-14-21	5-14-21	
Nickel	48	3.1	EPA 6010D	5-14-21	5-14-21	
Selenium	ND	0.63	EPA 6020B	5-14-21	5-14-21	
Zinc	25	3.1	EPA 6010D	5-14-21	5-14-21	

Client ID:	IAEX-43-30					
Laboratory ID:	05-130-03					
Arsenic	ND	13	EPA 6010D	5-14-21	5-14-21	
Cadmium	ND	0.63	EPA 6010D	5-14-21	5-14-21	
Chromium	39	0.63	EPA 6010D	5-14-21	5-14-21	
Copper	7.8	1.3	EPA 6010D	5-14-21	5-14-21	
Lead	ND	6.3	EPA 6010D	5-14-21	5-14-21	
Mercury	ND	0.022	EPA 7471B	5-14-21	5-14-21	
Nickel	39	3.1	EPA 6010D	5-14-21	5-14-21	
Selenium	ND	0.63	EPA 6020B	5-14-21	5-14-21	
Zinc	22	3.1	EPA 6010D	5-14-21	5-14-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0514S2					
Gasoline	ND	5.0	NWTPH-Gx	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	101	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-130-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				98	103	66-129		



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0513S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-13-21	5-13-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-13-21	5-13-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0513S1							
	ORIG	DUP						
Diesel Fuel #2	102	91.9	NA	NA	NA	NA	10	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				94	95	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0514S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Chloromethane	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Bromomethane	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
Chloroethane	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Acetone	ND	0.010	EPA 8260D	5-14-21	5-14-21	
Iodomethane	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
2-Butanone	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Chloroform	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Benzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
Toluene	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0514S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-14-21	5-14-21	
o-Xylene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Styrene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Bromoform	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
Naphthalene	ND	0.0050	EPA 8260D	5-14-21	5-14-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>106</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0514S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0503	0.0506	0.0500	0.0500	101	101	71-131	1	19	
Benzene	0.0498	0.0502	0.0500	0.0500	100	100	73-124	1	18	
Trichloroethene	0.0513	0.0529	0.0500	0.0500	103	106	79-130	3	18	
Toluene	0.0500	0.0495	0.0500	0.0500	100	99	76-123	1	18	
Chlorobenzene	0.0492	0.0492	0.0500	0.0500	98	98	78-122	0	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					99	99	74-131			
<i>Toluene-d8</i>					102	100	78-128			
<i>4-Bromofluorobenzene</i>					104	106	71-130			



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0514S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Pyridine	ND	0.33	EPA 8270E	5-14-21	5-16-21	
Phenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Aniline	ND	0.17	EPA 8270E	5-14-21	5-16-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-14-21	5-16-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-14-21	5-16-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-14-21	5-16-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Isophorone	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-14-21	5-16-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0514S1					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
4-Nitrophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Dibenzofuran	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-14-21	5-16-21	
4-Nitroaniline	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270E	5-14-21	5-16-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-14-21	5-16-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-14-21	5-16-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Carbazole	ND	0.033	EPA 8270E	5-14-21	5-16-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-14-21	5-16-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-14-21	5-15-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	86	26 - 109				
Phenol-d6	96	33 - 113				
Nitrobenzene-d5	84	31 - 110				
2-Fluorobiphenyl	91	42 - 107				
2,4,6-Tribromophenol	89	42 - 123				
Terphenyl-d14	84	41 - 115				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits			Limit	
MATRIX SPIKES											
Laboratory ID:	05-117-02										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.908	0.925	1.33	1.33	ND	68	70	33 - 105	2	36	
2-Chlorophenol	1.01	1.05	1.33	1.33	ND	76	79	36 - 105	4	38	
1,4-Dichlorobenzene	0.498	0.519	0.667	0.667	ND	75	78	27 - 106	4	40	
n-Nitroso-di-n-propylamine	0.484	0.510	0.667	0.667	ND	73	76	28 - 111	5	35	
1,2,4-Trichlorobenzene	0.506	0.543	0.667	0.667	ND	76	81	37 - 104	7	41	
4-Chloro-3-methylphenol	1.06	1.06	1.33	1.33	ND	80	80	42 - 113	0	25	
Acenaphthene	0.451	0.484	0.667	0.667	ND	68	73	36 - 104	7	23	
4-Nitrophenol	1.16	1.13	1.33	1.33	ND	87	85	22 - 135	3	24	
2,4-Dinitrotoluene	0.526	0.527	0.667	0.667	ND	79	79	25 - 114	0	26	
Pentachlorophenol	1.24	1.23	1.33	1.33	ND	93	92	28 - 135	1	28	
Pyrene	0.506	0.513	0.667	0.667	ND	76	77	29 - 127	1	20	
<i>Surrogate:</i>											
2-Fluorophenol						73	77	26 - 109			
Phenol-d6						81	84	33 - 113			
Nitrobenzene-d5						70	78	31 - 110			
2-Fluorobiphenyl						76	82	42 - 107			
2,4,6-Tribromophenol						84	87	42 - 123			
Terphenyl-d14						74	77	41 - 115			



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0513S1					
Aroclor 1016	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-13-21	5-13-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	98		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-117-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.435	0.448	0.500	0.500	ND	87	90	62-129	3	15	
Surrogate:											
DCB						98	101	54-135			



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0513S1					
alpha-BHC	ND	5.0	EPA 8081B	5-13-21	5-17-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-13-21	5-17-21	
beta-BHC	ND	5.0	EPA 8081B	5-13-21	5-17-21	
delta-BHC	ND	5.0	EPA 8081B	5-13-21	5-17-21	
Heptachlor	ND	5.0	EPA 8081B	5-13-21	5-17-21	
Aldrin	ND	5.0	EPA 8081B	5-13-21	5-17-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-13-21	5-17-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-13-21	5-17-21	
alpha-Chlordane	ND	10	EPA 8081B	5-13-21	5-17-21	
4,4'-DDE	ND	10	EPA 8081B	5-13-21	5-17-21	
Endosulfan I	ND	5.0	EPA 8081B	5-13-21	5-17-21	
Dieldrin	ND	10	EPA 8081B	5-13-21	5-17-21	
Endrin	ND	5.0	EPA 8081B	5-13-21	5-17-21	
4,4'-DDD	ND	10	EPA 8081B	5-13-21	5-17-21	
Endosulfan II	ND	10	EPA 8081B	5-13-21	5-17-21	
4,4'-DDT	ND	10	EPA 8081B	5-13-21	5-17-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-13-21	5-17-21	
Methoxychlor	ND	10	EPA 8081B	5-13-21	5-17-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-13-21	5-17-21	
Endrin Ketone	ND	10	EPA 8081B	5-13-21	5-17-21	
Toxaphene	ND	50	EPA 8081B	5-13-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>68</i>	<i>30-110</i>				
<i>DCB</i>	<i>93</i>	<i>40-117</i>				



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	05-117-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	99.0	99.3	100	100	ND	99	99	36-123	0	21	
gamma-BHC (Lindane)	99.9	100	100	100	ND	100	100	38-121	0	21	
beta-BHC	96.4	96.7	100	100	ND	96	97	31-125	0	21	
delta-BHC	97.8	100	100	100	ND	98	100	37-118	2	23	
Heptachlor	85.0	86.3	100	100	ND	85	86	37-123	2	24	
Aldrin	90.5	91.1	100	100	ND	91	91	45-118	1	22	
Heptachlor Epoxide	92.1	93.4	100	100	ND	92	93	46-114	1	22	
gamma-Chlordane	88.3	88.7	100	100	ND	88	89	41-120	0	23	
alpha-Chlordane	84.7	85.7	100	100	ND	85	86	43-118	1	23	
4,4'-DDE	99.9	102	100	100	ND	100	102	34-139	2	22	
Endosulfan I	95.6	96.6	100	100	ND	96	97	43-124	1	25	
Dieldrin	100	102	100	100	ND	100	102	40-128	2	23	
Endrin	96.2	97.9	100	100	ND	96	98	44-120	2	28	
4,4'-DDD	107	108	100	100	ND	107	108	42-131	1	21	
Endosulfan II	89.8	90.9	100	100	ND	90	91	47-112	1	22	
4,4'-DDT	80.7	82.4	100	100	ND	81	82	29-141	2	32	
Endrin Aldehyde	86.1	88.7	100	100	ND	86	89	41-114	3	22	
Methoxychlor	88.1	89.5	100	100	ND	88	89	31-139	2	23	
Endosulfan Sulfate	89.9	90.5	100	100	ND	90	90	48-112	1	21	
Endrin Ketone	83.8	84.6	100	100	ND	84	85	46-117	1	22	
Surrogate:											
TCMX						67	68	30-110			
DCB						95	97	40-117			



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0514S1					
Dalapon	ND	180	EPA 8151A	5-14-21	5-14-21	
Dicamba	ND	9.4	EPA 8151A	5-14-21	5-14-21	
MCPPE	ND	940	EPA 8151A	5-14-21	5-14-21	
MCPA	ND	2300	EPA 8151A	5-14-21	5-14-21	
Dichlorprop	ND	71	EPA 8151A	5-14-21	5-14-21	
2,4-D	ND	9.4	EPA 8151A	5-14-21	5-14-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-14-21	5-14-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-14-21	5-14-21	
2,4,5-T	ND	9.5	EPA 8151A	5-14-21	5-14-21	
2,4-DB	ND	9.5	EPA 8151A	5-14-21	5-14-21	
Dinoseb	ND	9.5	EPA 8151A	5-14-21	5-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	61	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0514S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	599	899	1250	1250	N/A	48	72	10-68 40 38 L
Dicamba	211	223	250	250	N/A	84	89	52-101 6 18
MCPPE	17700	18300	25000	25000	N/A	71	73	63-105 3 21
MCPA	17100	17700	25000	25000	N/A	68	71	45-107 3 21
Dichlorprop	192	194	250	250	N/A	77	78	54-106 1 18
2,4-D	168	174	250	250	N/A	67	70	33-95 4 25
Pentachlorophenol	23.8	23.5	25.0	25.0	N/A	95	94	48-125 1 20
2,4,5-TP (Silvex)	226	229	250	250	N/A	90	92	62-115 1 17
2,4,5-T	201	211	250	250	N/A	80	84	48-108 5 21
2,4-DB	179	177	250	250	N/A	71	71	45-114 1 23
Dinoseb	195	201	250	250	N/A	78	81	51-124 3 27
<i>Surrogate:</i>								
DCAA						95	93	27-134



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0514SM2					
Arsenic	ND	10	EPA 6010D	5-14-21	5-14-21	
Cadmium	ND	0.50	EPA 6010D	5-14-21	5-14-21	
Chromium	ND	0.50	EPA 6010D	5-14-21	5-14-21	
Copper	ND	1.0	EPA 6010D	5-14-21	5-14-21	
Lead	ND	5.0	EPA 6010D	5-14-21	5-14-21	
Nickel	ND	2.5	EPA 6010D	5-14-21	5-14-21	
Zinc	ND	2.5	EPA 6010D	5-14-21	5-14-21	
Laboratory ID:	MB0514SM1					
Selenium	ND	0.50	EPA 6020B	5-14-21	5-14-21	
Laboratory ID:	MB0514S1					
Mercury	ND	0.018	EPA 7471B	5-14-21	5-14-21	



Date of Report: May 18, 2021
 Samples Submitted: May 13, 2021
 Laboratory Reference: 2105-130
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	05-130-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	19.5	20.9	NA	NA		NA	NA	7	20	
Copper	7.95	8.50	NA	NA		NA	NA	7	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	30.5	33.1	NA	NA		NA	NA	8	20	
Zinc	19.1	21.2	NA	NA		NA	NA	11	20	

Laboratory ID:	05-103-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	05-103-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	05-130-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	92.0	90.7	100	100	ND	92	91	75-125	1	20
Cadmium	46.4	46.9	50.0	50.0	ND	93	94	75-125	1	20
Chromium	116	116	100	100	19.5	96	96	75-125	0	20
Copper	55.8	56.2	50.0	50.0	7.95	96	96	75-125	1	20
Lead	247	251	250	250	ND	99	100	75-125	1	20
Nickel	127	129	100	100	30.5	97	98	75-125	1	20
Zinc	113	114	100	100	19.1	94	95	75-125	1	20

Laboratory ID:	05-103-01									
Selenium	80.8	85.5	100	100	ND	81	86	75-125	6	20

Laboratory ID:	05-103-01									
Mercury	0.598	0.565	0.500	0.500	0.0117	117	111	80-120	6	20



Date of Report: May 18, 2021
Samples Submitted: May 13, 2021
Laboratory Reference: 2105-130
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-41-20	05-130-01	17	5-13-21
IAEX-42-20	05-130-02	20	5-13-21
IAEX-43-30	05-130-03	20	5-13-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





Onsite Environmental Inc.
Analytical Laboratory Testing Services
14848 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(In working days)
(Check One)

Laboratory Number: **05-130**

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Company: **GeoEngineers**
Project Number: **6694-002-03 T700**
Project Name: **Go East Corp Landfill Site**
Project Manager: **Rob Leet**
Sampled by: **Paul Robinette**

Lab ID: **Sample Identification**

Number of Containers

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (X Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL METALS *	% Moisture
1	IAEX-41-20	5/13/21	1045	S			X	X	X			X		X	X	X	X					X	0
2	IAEX-42-20	5/13/21	1220	S			X	X	X			X		X	X	X	X					X	1
3	IAEX-43-30	5/13/21	1350	S			X	X	X			X		X	X	X	X					X	1

Signature

Company

Date

Time

Comments/Special Instructions

*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc

**PCBs as Aroclors

Relinquished		BEI	5/13/21	1455	
Received		ALPHA	5/13/21	1540	
Relinquished		ORBE	5/13/21	1540	
Received					
Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Reviewed/Date		Reviewed/Date			

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 19, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-148

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 14, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 19, 2021
Samples Submitted: May 14, 2021
Laboratory Reference: 2105-148
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 14, 2021 and received by the laboratory on May 14, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Organochlorine Pesticides by EPA 8081B Analysis

Negative effects of the matrix from the samples on the instrument caused values for TCMX, gamma-chlordane, alpha-chlordane, Endrin Aldehyde, Methoxychlor, and Endrin Ketone in the closing continuing calibration verification standard (CCVs) to go low. Because of this, quantitation limits and sample concentrations can be higher than reported.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: May 19, 2021
Samples Submitted: May 14, 2021
Laboratory Reference: 2105-148
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-44-30	05-148-01	Soil	5-14-21	5-14-21	
IAEX-45-35	05-148-02	Soil	5-14-21	5-14-21	
IAEX-46-10	05-148-03	Soil	5-14-21	5-14-21	



Date of Report: May 19, 2021
 Samples Submitted: May 14, 2021
 Laboratory Reference: 2105-148
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-44-30					
Laboratory ID:	05-148-01					
Gasoline	ND	6.5	NWTPH-Gx	5-17-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-129				
Client ID:	IAEX-45-35					
Laboratory ID:	05-148-02					
Gasoline	ND	7.3	NWTPH-Gx	5-17-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-129				
Client ID:	IAEX-46-10					
Laboratory ID:	05-148-03					
Gasoline	ND	6.1	NWTPH-Gx	5-17-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-129				



Date of Report: May 19, 2021
 Samples Submitted: May 14, 2021
 Laboratory Reference: 2105-148
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-44-30					
Laboratory ID:	05-148-01					
Diesel Range Organics	ND	32	NWTPH-Dx	5-17-21	5-17-21	X1
Lube Oil Range Organics	ND	64	NWTPH-Dx	5-17-21	5-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				

Client ID:	IAEX-45-35					
Laboratory ID:	05-148-02					
Diesel Range Organics	ND	33	NWTPH-Dx	5-17-21	5-17-21	X1
Lube Oil Range Organics	ND	67	NWTPH-Dx	5-17-21	5-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				

Client ID:	IAEX-46-10					
Laboratory ID:	05-148-03					
Diesel Range Organics	ND	28	NWTPH-Dx	5-17-21	5-17-21	X1
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-17-21	5-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				



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 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-44-30					
Laboratory ID:	05-148-01					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Chloromethane	ND	0.0068	EPA 8260D	5-17-21	5-17-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Bromomethane	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
Chloroethane	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Acetone	ND	0.010	EPA 8260D	5-17-21	5-17-21	
Iodomethane	ND	0.0070	EPA 8260D	5-17-21	5-17-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	5-17-21	5-17-21	
Methylene Chloride	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Vinyl Acetate	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
2-Butanone	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Chloroform	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Benzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Methyl Isobutyl Ketone	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
Toluene	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-44-30					
Laboratory ID:	05-148-01					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
2-Hexanone	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
m,p-Xylene	ND	0.0021	EPA 8260D	5-17-21	5-17-21	
o-Xylene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Styrene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Bromoform	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2-Dibromo-3-chloropropane	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Hexachlorobutadiene	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
Naphthalene	ND	0.0052	EPA 8260D	5-17-21	5-17-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-45-35					
Laboratory ID:	05-148-02					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Chloromethane	ND	0.0076	EPA 8260D	5-17-21	5-17-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Bromomethane	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Chloroethane	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Acetone	ND	0.011	EPA 8260D	5-17-21	5-17-21	
Iodomethane	ND	0.0078	EPA 8260D	5-17-21	5-17-21	
Carbon Disulfide	ND	0.0015	EPA 8260D	5-17-21	5-17-21	
Methylene Chloride	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Vinyl Acetate	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
2-Butanone	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Chloroform	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Benzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Methyl Isobutyl Ketone	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Toluene	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-45-35					
Laboratory ID:	05-148-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
2-Hexanone	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
m,p-Xylene	ND	0.0023	EPA 8260D	5-17-21	5-17-21	
o-Xylene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Styrene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Bromoform	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Hexachlorobutadiene	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Naphthalene	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-46-10					
Laboratory ID:	05-148-03					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Chloromethane	ND	0.0075	EPA 8260D	5-17-21	5-17-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Bromomethane	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Chloroethane	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Acetone	ND	0.011	EPA 8260D	5-17-21	5-17-21	
Iodomethane	ND	0.0078	EPA 8260D	5-17-21	5-17-21	
Carbon Disulfide	ND	0.0015	EPA 8260D	5-17-21	5-17-21	
Methylene Chloride	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Vinyl Acetate	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
2-Butanone	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Chloroform	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Benzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Methyl Isobutyl Ketone	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Toluene	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-46-10					
Laboratory ID:	05-148-03					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
2-Hexanone	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
m,p-Xylene	ND	0.0023	EPA 8260D	5-17-21	5-17-21	
o-Xylene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Styrene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Bromoform	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
Hexachlorobutadiene	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
Naphthalene	ND	0.0057	EPA 8260D	5-17-21	5-17-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-17-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



Date of Report: May 19, 2021
 Samples Submitted: May 14, 2021
 Laboratory Reference: 2105-148
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-44-30					
Laboratory ID:	05-148-01					
n-Nitrosodimethylamine	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Pyridine	ND	0.43	EPA 8270E	5-18-21	5-18-21	
Phenol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Aniline	ND	0.21	EPA 8270E	5-18-21	5-18-21	
bis(2-Chloroethyl)ether	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2-Chlorophenol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
1,3-Dichlorobenzene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
1,4-Dichlorobenzene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Benzyl alcohol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
1,2-Dichlorobenzene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2-Methylphenol (o-Cresol)	ND	0.043	EPA 8270E	5-18-21	5-18-21	
bis(2-Chloroisopropyl)ether	ND	0.043	EPA 8270E	5-18-21	5-18-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.043	EPA 8270E	5-18-21	5-18-21	
n-Nitroso-di-n-propylamine	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Hexachloroethane	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Nitrobenzene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Isophorone	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2-Nitrophenol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2,4-Dimethylphenol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
bis(2-Chloroethoxy)methane	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2,4-Dichlorophenol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
1,2,4-Trichlorobenzene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Naphthalene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
4-Chloroaniline	ND	0.21	EPA 8270E	5-18-21	5-18-21	
Hexachlorobutadiene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
4-Chloro-3-methylphenol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2-Methylnaphthalene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
1-Methylnaphthalene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
Hexachlorocyclopentadiene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2,4,6-Trichlorophenol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2,3-Dichloroaniline	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2,4,5-Trichlorophenol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2-Chloronaphthalene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2-Nitroaniline	ND	0.043	EPA 8270E	5-18-21	5-18-21	
1,4-Dinitrobenzene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Dimethylphthalate	ND	0.043	EPA 8270E	5-18-21	5-18-21	
1,3-Dinitrobenzene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2,6-Dinitrotoluene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
1,2-Dinitrobenzene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Acenaphthylene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
3-Nitroaniline	ND	0.043	EPA 8270E	5-18-21	5-18-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-44-30					
Laboratory ID:	05-148-01					
2,4-Dinitrophenol	ND	0.29	EPA 8270E	5-18-21	5-18-21	
Acenaphthene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
4-Nitrophenol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2,4-Dinitrotoluene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Dibenzofuran	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2,3,5,6-Tetrachlorophenol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
2,3,4,6-Tetrachlorophenol	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Diethylphthalate	ND	0.21	EPA 8270E	5-18-21	5-18-21	
4-Chlorophenyl-phenylether	ND	0.043	EPA 8270E	5-18-21	5-18-21	
4-Nitroaniline	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Fluorene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
4,6-Dinitro-2-methylphenol	ND	0.21	EPA 8270E	5-18-21	5-18-21	
n-Nitrosodiphenylamine	ND	0.043	EPA 8270E	5-18-21	5-18-21	
1,2-Diphenylhydrazine	ND	0.043	EPA 8270E	5-18-21	5-18-21	
4-Bromophenyl-phenylether	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Hexachlorobenzene	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Pentachlorophenol	ND	0.21	EPA 8270E	5-18-21	5-18-21	
Phenanthrene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
Anthracene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
Carbazole	ND	0.043	EPA 8270E	5-18-21	5-18-21	
Di-n-butylphthalate	ND	0.21	EPA 8270E	5-18-21	5-18-21	
Fluoranthene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
Pyrene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
Butylbenzylphthalate	ND	0.21	EPA 8270E	5-18-21	5-18-21	
bis-2-Ethylhexyladipate	ND	0.21	EPA 8270E	5-18-21	5-18-21	
3,3'-Dichlorobenzidine	ND	0.21	EPA 8270E	5-18-21	5-18-21	
Benzo[a]anthracene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
Chrysene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
bis(2-Ethylhexyl)phthalate	ND	0.21	EPA 8270E	5-18-21	5-18-21	
Di-n-octylphthalate	ND	0.21	EPA 8270E	5-18-21	5-18-21	
Benzo[b]fluoranthene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo(j,k)fluoranthene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo[a]pyrene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
Indeno[1,2,3-cd]pyrene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
Dibenz[a,h]anthracene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo[g,h,i]perylene	ND	0.0086	EPA 8270E/SIM	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>34</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>43</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>33</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>48</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>82</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>71</i>	<i>41 - 115</i>				



Date of Report: May 19, 2021
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 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-45-35					
Laboratory ID:	05-148-02					
n-Nitrosodimethylamine	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Pyridine	ND	0.45	EPA 8270E	5-18-21	5-18-21	
Phenol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Aniline	ND	0.22	EPA 8270E	5-18-21	5-18-21	
bis(2-Chloroethyl)ether	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2-Chlorophenol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
1,3-Dichlorobenzene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
1,4-Dichlorobenzene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Benzyl alcohol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
1,2-Dichlorobenzene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2-Methylphenol (o-Cresol)	ND	0.045	EPA 8270E	5-18-21	5-18-21	
bis(2-Chloroisopropyl)ether	ND	0.045	EPA 8270E	5-18-21	5-18-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.045	EPA 8270E	5-18-21	5-18-21	
n-Nitroso-di-n-propylamine	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Hexachloroethane	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Nitrobenzene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Isophorone	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2-Nitrophenol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2,4-Dimethylphenol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
bis(2-Chloroethoxy)methane	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2,4-Dichlorophenol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
1,2,4-Trichlorobenzene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Naphthalene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
4-Chloroaniline	ND	0.22	EPA 8270E	5-18-21	5-18-21	
Hexachlorobutadiene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
4-Chloro-3-methylphenol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2-Methylnaphthalene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
1-Methylnaphthalene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
Hexachlorocyclopentadiene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2,4,6-Trichlorophenol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2,3-Dichloroaniline	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2,4,5-Trichlorophenol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2-Chloronaphthalene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2-Nitroaniline	ND	0.045	EPA 8270E	5-18-21	5-18-21	
1,4-Dinitrobenzene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Dimethylphthalate	ND	0.045	EPA 8270E	5-18-21	5-18-21	
1,3-Dinitrobenzene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2,6-Dinitrotoluene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
1,2-Dinitrobenzene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Acenaphthylene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
3-Nitroaniline	ND	0.045	EPA 8270E	5-18-21	5-18-21	



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 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-45-35					
Laboratory ID:	05-148-02					
2,4-Dinitrophenol	ND	0.30	EPA 8270E	5-18-21	5-18-21	
Acenaphthene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
4-Nitrophenol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2,4-Dinitrotoluene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Dibenzofuran	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2,3,5,6-Tetrachlorophenol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
2,3,4,6-Tetrachlorophenol	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Diethylphthalate	ND	0.22	EPA 8270E	5-18-21	5-18-21	
4-Chlorophenyl-phenylether	ND	0.045	EPA 8270E	5-18-21	5-18-21	
4-Nitroaniline	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Fluorene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
4,6-Dinitro-2-methylphenol	ND	0.22	EPA 8270E	5-18-21	5-18-21	
n-Nitrosodiphenylamine	ND	0.045	EPA 8270E	5-18-21	5-18-21	
1,2-Diphenylhydrazine	ND	0.045	EPA 8270E	5-18-21	5-18-21	
4-Bromophenyl-phenylether	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Hexachlorobenzene	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Pentachlorophenol	ND	0.22	EPA 8270E	5-18-21	5-18-21	
Phenanthrene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
Anthracene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
Carbazole	ND	0.045	EPA 8270E	5-18-21	5-18-21	
Di-n-butylphthalate	ND	0.22	EPA 8270E	5-18-21	5-18-21	
Fluoranthene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
Pyrene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
Butylbenzylphthalate	ND	0.22	EPA 8270E	5-18-21	5-18-21	
bis-2-Ethylhexyladipate	ND	0.22	EPA 8270E	5-18-21	5-18-21	
3,3'-Dichlorobenzidine	ND	0.22	EPA 8270E	5-18-21	5-18-21	
Benzo[a]anthracene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
Chrysene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
bis(2-Ethylhexyl)phthalate	ND	0.22	EPA 8270E	5-18-21	5-18-21	
Di-n-octylphthalate	ND	0.22	EPA 8270E	5-18-21	5-18-21	
Benzo[b]fluoranthene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo(j,k)fluoranthene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo[a]pyrene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
Indeno[1,2,3-cd]pyrene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
Dibenz[a,h]anthracene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo[g,h,i]perylene	ND	0.0089	EPA 8270E/SIM	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	55	26 - 109				
Phenol-d6	68	33 - 113				
Nitrobenzene-d5	56	31 - 110				
2-Fluorobiphenyl	61	42 - 107				
2,4,6-Tribromophenol	84	42 - 123				
Terphenyl-d14	73	41 - 115				



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 Laboratory Reference: 2105-148
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-46-10					
Laboratory ID:	05-148-03					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Pyridine	ND	0.37	EPA 8270E	5-18-21	5-19-21	
Phenol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Aniline	ND	0.18	EPA 8270E	5-18-21	5-19-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2-Chlorophenol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Benzyl alcohol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	5-18-21	5-19-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	5-18-21	5-19-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	5-18-21	5-19-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Hexachloroethane	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Nitrobenzene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Isophorone	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2-Nitrophenol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Naphthalene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-18-21	5-19-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
1-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2-Nitroaniline	ND	0.037	EPA 8270E	5-18-21	5-19-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Dimethylphthalate	ND	0.037	EPA 8270E	5-18-21	5-19-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Acenaphthylene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
3-Nitroaniline	ND	0.037	EPA 8270E	5-18-21	5-19-21	



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-46-10					
Laboratory ID:	05-148-03					
2,4-Dinitrophenol	ND	0.32	EPA 8270E	5-18-21	5-19-21	
Acenaphthene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
4-Nitrophenol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Dibenzofuran	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-18-21	5-19-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	5-18-21	5-19-21	
4-Nitroaniline	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Fluorene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
4,6-Dinitro-2-methylphenol	ND	0.28	EPA 8270E	5-18-21	5-19-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	5-18-21	5-19-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	5-18-21	5-19-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-18-21	5-19-21	
Phenanthrene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
Anthracene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
Carbazole	ND	0.037	EPA 8270E	5-18-21	5-19-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-18-21	5-19-21	
Fluoranthene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
Pyrene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-18-21	5-19-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-18-21	5-19-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-18-21	5-19-21	
Benzo[a]anthracene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
Chrysene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-18-21	5-19-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-18-21	5-19-21	
Benzo[b]fluoranthene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo(j,k)fluoranthene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo[a]pyrene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
Indeno[1,2,3-cd]pyrene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
Dibenz[a,h]anthracene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo[g,h,i]perylene	ND	0.0074	EPA 8270E/SIM	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>44</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>60</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>48</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>60</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>84</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>76</i>	<i>41 - 115</i>				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-44-30					
Laboratory ID:	05-148-01					
Aroclor 1016	ND	0.064	EPA 8082A	5-17-21	5-18-21	
Aroclor 1221	ND	0.064	EPA 8082A	5-17-21	5-18-21	
Aroclor 1232	ND	0.064	EPA 8082A	5-17-21	5-18-21	
Aroclor 1242	ND	0.064	EPA 8082A	5-17-21	5-18-21	
Aroclor 1248	ND	0.064	EPA 8082A	5-17-21	5-18-21	
Aroclor 1254	ND	0.064	EPA 8082A	5-17-21	5-18-21	
Aroclor 1260	ND	0.064	EPA 8082A	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	90	54-135				
Client ID:	IAEX-45-35					
Laboratory ID:	05-148-02					
Aroclor 1016	ND	0.067	EPA 8082A	5-17-21	5-18-21	
Aroclor 1221	ND	0.067	EPA 8082A	5-17-21	5-18-21	
Aroclor 1232	ND	0.067	EPA 8082A	5-17-21	5-18-21	
Aroclor 1242	ND	0.067	EPA 8082A	5-17-21	5-18-21	
Aroclor 1248	ND	0.067	EPA 8082A	5-17-21	5-18-21	
Aroclor 1254	ND	0.067	EPA 8082A	5-17-21	5-18-21	
Aroclor 1260	ND	0.067	EPA 8082A	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	94	54-135				
Client ID:	IAEX-46-10					
Laboratory ID:	05-148-03					
Aroclor 1016	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1221	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1232	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1242	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1248	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1254	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1260	ND	0.055	EPA 8082A	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	87	54-135				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-44-30					
Laboratory ID:	05-148-01					
alpha-BHC	ND	6.4	EPA 8081B	5-17-21	5-18-21	
gamma-BHC (Lindane)	ND	6.4	EPA 8081B	5-17-21	5-18-21	
beta-BHC	ND	6.4	EPA 8081B	5-17-21	5-18-21	
delta-BHC	ND	6.4	EPA 8081B	5-17-21	5-18-21	
Heptachlor	ND	6.4	EPA 8081B	5-17-21	5-18-21	
Aldrin	ND	6.4	EPA 8081B	5-17-21	5-18-21	
Heptachlor Epoxide	ND	6.4	EPA 8081B	5-17-21	5-18-21	
gamma-Chlordane	ND	6.4	EPA 8081B	5-17-21	5-18-21	
alpha-Chlordane	ND	13	EPA 8081B	5-17-21	5-18-21	
4,4'-DDE	ND	13	EPA 8081B	5-17-21	5-18-21	
Endosulfan I	ND	6.4	EPA 8081B	5-17-21	5-18-21	
Dieldrin	ND	13	EPA 8081B	5-17-21	5-18-21	
Endrin	ND	6.4	EPA 8081B	5-17-21	5-18-21	
4,4'-DDD	ND	13	EPA 8081B	5-17-21	5-18-21	
Endosulfan II	ND	13	EPA 8081B	5-17-21	5-18-21	
4,4'-DDT	ND	13	EPA 8081B	5-17-21	5-18-21	
Endrin Aldehyde	ND	13	EPA 8081B	5-17-21	5-18-21	
Methoxychlor	ND	13	EPA 8081B	5-17-21	5-18-21	
Endosulfan Sulfate	ND	13	EPA 8081B	5-17-21	5-18-21	
Endrin Ketone	ND	13	EPA 8081B	5-17-21	5-18-21	
Toxaphene	ND	64	EPA 8081B	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	64	30-110				
DCB	88	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-45-35					
Laboratory ID:	05-148-02					
alpha-BHC	ND	6.7	EPA 8081B	5-17-21	5-18-21	
gamma-BHC (Lindane)	ND	6.7	EPA 8081B	5-17-21	5-18-21	
beta-BHC	ND	6.7	EPA 8081B	5-17-21	5-18-21	
delta-BHC	ND	6.7	EPA 8081B	5-17-21	5-18-21	
Heptachlor	ND	6.7	EPA 8081B	5-17-21	5-18-21	
Aldrin	ND	6.7	EPA 8081B	5-17-21	5-18-21	
Heptachlor Epoxide	ND	6.7	EPA 8081B	5-17-21	5-18-21	
gamma-Chlordane	ND	6.7	EPA 8081B	5-17-21	5-18-21	
alpha-Chlordane	ND	13	EPA 8081B	5-17-21	5-18-21	
4,4'-DDE	ND	13	EPA 8081B	5-17-21	5-18-21	
Endosulfan I	ND	6.7	EPA 8081B	5-17-21	5-18-21	
Dieldrin	ND	13	EPA 8081B	5-17-21	5-18-21	
Endrin	ND	6.7	EPA 8081B	5-17-21	5-18-21	
4,4'-DDD	ND	13	EPA 8081B	5-17-21	5-18-21	
Endosulfan II	ND	13	EPA 8081B	5-17-21	5-18-21	
4,4'-DDT	ND	13	EPA 8081B	5-17-21	5-18-21	
Endrin Aldehyde	ND	13	EPA 8081B	5-17-21	5-18-21	
Methoxychlor	ND	13	EPA 8081B	5-17-21	5-18-21	
Endosulfan Sulfate	ND	13	EPA 8081B	5-17-21	5-18-21	
Endrin Ketone	ND	13	EPA 8081B	5-17-21	5-18-21	
Toxaphene	ND	67	EPA 8081B	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	64	30-110				
DCB	88	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-46-10					
Laboratory ID:	05-148-03					
alpha-BHC	ND	5.5	EPA 8081B	5-17-21	5-18-21	
gamma-BHC (Lindane)	ND	5.5	EPA 8081B	5-17-21	5-18-21	
beta-BHC	ND	5.5	EPA 8081B	5-17-21	5-18-21	
delta-BHC	ND	5.5	EPA 8081B	5-17-21	5-18-21	
Heptachlor	ND	5.5	EPA 8081B	5-17-21	5-18-21	
Aldrin	ND	5.5	EPA 8081B	5-17-21	5-18-21	
Heptachlor Epoxide	ND	5.5	EPA 8081B	5-17-21	5-18-21	
gamma-Chlordane	ND	5.5	EPA 8081B	5-17-21	5-18-21	
alpha-Chlordane	ND	11	EPA 8081B	5-17-21	5-18-21	
4,4'-DDE	ND	11	EPA 8081B	5-17-21	5-18-21	
Endosulfan I	ND	5.5	EPA 8081B	5-17-21	5-18-21	
Dieldrin	ND	11	EPA 8081B	5-17-21	5-18-21	
Endrin	ND	5.5	EPA 8081B	5-17-21	5-18-21	
4,4'-DDD	ND	11	EPA 8081B	5-17-21	5-18-21	
Endosulfan II	ND	11	EPA 8081B	5-17-21	5-18-21	
4,4'-DDT	ND	11	EPA 8081B	5-17-21	5-18-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-17-21	5-18-21	
Methoxychlor	ND	11	EPA 8081B	5-17-21	5-18-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-17-21	5-18-21	
Endrin Ketone	ND	11	EPA 8081B	5-17-21	5-18-21	
Toxaphene	ND	55	EPA 8081B	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	52	30-110				
DCB	70	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-44-30					
Laboratory ID:	05-148-01					
Dalapon	ND	240	EPA 8151A	5-18-21	5-18-21	
Dicamba	ND	12	EPA 8151A	5-18-21	5-18-21	
MCPD	ND	1200	EPA 8151A	5-18-21	5-18-21	
MCPA	ND	3000	EPA 8151A	5-18-21	5-18-21	
Dichlorprop	ND	91	EPA 8151A	5-18-21	5-18-21	
2,4-D	ND	12	EPA 8151A	5-18-21	5-18-21	
Pentachlorophenol	ND	6.1	EPA 8151A	5-18-21	5-18-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	5-18-21	5-18-21	
2,4,5-T	ND	12	EPA 8151A	5-18-21	5-18-21	
2,4-DB	ND	12	EPA 8151A	5-18-21	5-18-21	
Dinoseb	ND	12	EPA 8151A	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	97	27-134				
Client ID:	IAEX-45-35					
Laboratory ID:	05-148-02					
Dalapon	ND	240	EPA 8151A	5-18-21	5-18-21	
Dicamba	ND	13	EPA 8151A	5-18-21	5-18-21	
MCPD	ND	1200	EPA 8151A	5-18-21	5-18-21	
MCPA	ND	3100	EPA 8151A	5-18-21	5-18-21	
Dichlorprop	ND	95	EPA 8151A	5-18-21	5-18-21	
2,4-D	ND	13	EPA 8151A	5-18-21	5-18-21	
Pentachlorophenol	ND	6.3	EPA 8151A	5-18-21	5-18-21	
2,4,5-TP (Silvex)	ND	13	EPA 8151A	5-18-21	5-18-21	
2,4,5-T	ND	13	EPA 8151A	5-18-21	5-18-21	
2,4-DB	ND	13	EPA 8151A	5-18-21	5-18-21	
Dinoseb	ND	13	EPA 8151A	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	85	27-134				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-46-10					
Laboratory ID:	05-148-03					
Dalapon	ND	200	EPA 8151A	5-18-21	5-18-21	
Dicamba	ND	10	EPA 8151A	5-18-21	5-18-21	
MCPPP	ND	1000	EPA 8151A	5-18-21	5-18-21	
MCPA	ND	2600	EPA 8151A	5-18-21	5-18-21	
Dichlorprop	ND	78	EPA 8151A	5-18-21	5-18-21	
2,4-D	ND	10	EPA 8151A	5-18-21	5-18-21	
Pentachlorophenol	ND	5.3	EPA 8151A	5-18-21	5-18-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-18-21	5-18-21	
2,4,5-T	ND	10	EPA 8151A	5-18-21	5-18-21	
2,4-DB	ND	10	EPA 8151A	5-18-21	5-18-21	
Dinoseb	ND	10	EPA 8151A	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	86	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-44-30					
Laboratory ID:	05-148-01					
Arsenic	ND	13	EPA 6010D	5-17-21	5-17-21	
Cadmium	ND	0.64	EPA 6010D	5-17-21	5-17-21	
Chromium	47	0.64	EPA 6010D	5-17-21	5-17-21	
Copper	13	1.3	EPA 6010D	5-17-21	5-17-21	
Lead	ND	6.4	EPA 6010D	5-17-21	5-17-21	
Mercury	0.026	0.019	EPA 7471B	5-17-21	5-17-21	
Nickel	41	3.2	EPA 6010D	5-17-21	5-17-21	
Selenium	ND	0.64	EPA 6020B	5-17-21	5-17-21	
Zinc	41	3.2	EPA 6010D	5-17-21	5-17-21	

Client ID:	IAEX-45-35					
Laboratory ID:	05-148-02					
Arsenic	ND	13	EPA 6010D	5-17-21	5-17-21	
Cadmium	ND	0.67	EPA 6010D	5-17-21	5-17-21	
Chromium	27	0.67	EPA 6010D	5-17-21	5-17-21	
Copper	7.7	1.3	EPA 6010D	5-17-21	5-17-21	
Lead	ND	6.7	EPA 6010D	5-17-21	5-17-21	
Mercury	ND	0.020	EPA 7471B	5-17-21	5-17-21	
Nickel	39	3.3	EPA 6010D	5-17-21	5-17-21	
Selenium	ND	0.67	EPA 6020B	5-17-21	5-17-21	
Zinc	27	3.3	EPA 6010D	5-17-21	5-17-21	

Client ID:	IAEX-46-10					
Laboratory ID:	05-148-03					
Arsenic	ND	11	EPA 6010D	5-17-21	5-17-21	
Cadmium	ND	0.55	EPA 6010D	5-17-21	5-17-21	
Chromium	24	0.55	EPA 6010D	5-17-21	5-17-21	
Copper	11	1.1	EPA 6010D	5-17-21	5-17-21	
Lead	ND	5.5	EPA 6010D	5-17-21	5-17-21	
Mercury	ND	0.017	EPA 7471B	5-17-21	5-17-21	
Nickel	41	2.8	EPA 6010D	5-17-21	5-17-21	
Selenium	ND	0.55	EPA 6020B	5-17-21	5-17-21	
Zinc	25	2.8	EPA 6010D	5-17-21	5-17-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0517S1					
Gasoline	ND	5.0	NWTPH-Gx	5-17-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-148-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				98	99	66-129		



Date of Report: May 19, 2021
 Samples Submitted: May 14, 2021
 Laboratory Reference: 2105-148
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0517S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-17-21	5-17-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-17-21	5-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0517S1							
	ORIG	DUP						
Diesel Fuel #2	121	114	NA	NA	NA	NA	6	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				104	101	50-150		



Date of Report: May 19, 2021
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 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0517S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Chloromethane	ND	0.0066	EPA 8260D	5-17-21	5-17-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Bromomethane	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
Chloroethane	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Acetone	ND	0.010	EPA 8260D	5-17-21	5-17-21	
Iodomethane	ND	0.0068	EPA 8260D	5-17-21	5-17-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	5-17-21	5-17-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
2-Butanone	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Chloroform	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Benzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
Toluene	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0517S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-17-21	5-17-21	
o-Xylene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Styrene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Bromoform	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
Naphthalene	ND	0.0050	EPA 8260D	5-17-21	5-17-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-17-21	5-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



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 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0517S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0483	0.0517	0.0500	0.0500	97	103	71-131	7	19	
Benzene	0.0476	0.0541	0.0500	0.0500	95	108	73-124	13	18	
Trichloroethene	0.0514	0.0544	0.0500	0.0500	103	109	79-130	6	18	
Toluene	0.0493	0.0507	0.0500	0.0500	99	101	76-123	3	18	
Chlorobenzene	0.0469	0.0485	0.0500	0.0500	94	97	78-122	3	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					97	106	74-131			
<i>Toluene-d8</i>					103	101	78-128			
<i>4-Bromofluorobenzene</i>					105	104	71-130			



Date of Report: May 19, 2021
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 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0518S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Pyridine	ND	0.33	EPA 8270E	5-18-21	5-18-21	
Phenol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Aniline	ND	0.17	EPA 8270E	5-18-21	5-18-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-18-21	5-18-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-18-21	5-18-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-18-21	5-18-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Isophorone	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-18-21	5-18-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-18-21	5-18-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-18-21	5-18-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-18-21	5-18-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0518S1					
2,4-Dinitrophenol	ND	0.23	EPA 8270E	5-18-21	5-18-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
4-Nitrophenol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Dibenzofuran	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-18-21	5-18-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-18-21	5-18-21	
4-Nitroaniline	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270E	5-18-21	5-18-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-18-21	5-18-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-18-21	5-18-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-18-21	5-18-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
Carbazole	ND	0.033	EPA 8270E	5-18-21	5-18-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-18-21	5-18-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-18-21	5-18-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-18-21	5-18-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-18-21	5-18-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-18-21	5-18-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-18-21	5-18-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	59	26 - 109				
Phenol-d6	70	33 - 113				
Nitrobenzene-d5	62	31 - 110				
2-Fluorobiphenyl	71	42 - 107				
2,4,6-Tribromophenol	80	42 - 123				
Terphenyl-d14	70	41 - 115				



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0518S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	0.816	0.901	1.33	1.33	61	68	47 - 106	10	30	
2-Chlorophenol	0.879	1.01	1.33	1.33	66	76	51 - 105	14	31	
1,4-Dichlorobenzene	0.402	0.484	0.667	0.667	60	73	49 - 101	19	33	
n-Nitroso-di-n-propylamine	0.469	0.528	0.667	0.667	70	79	50 - 105	12	26	
1,2,4-Trichlorobenzene	0.453	0.521	0.667	0.667	68	78	50 - 107	14	31	
4-Chloro-3-methylphenol	1.03	1.10	1.33	1.33	77	83	58 - 114	7	22	
Acenaphthene	0.460	0.482	0.667	0.667	69	72	52 - 102	5	22	
4-Nitrophenol	1.32	1.36	1.33	1.33	99	102	51 - 126	3	20	
2,4-Dinitrotoluene	0.527	0.552	0.667	0.667	79	83	54 - 108	5	19	
Pentachlorophenol	1.38	1.31	1.33	1.33	104	98	20 - 148	5	30	
Pyrene	0.517	0.548	0.667	0.667	78	82	55 - 112	6	19	
<i>Surrogate:</i>										
2-Fluorophenol					63	73	26 - 109			
Phenol-d6					74	83	33 - 113			
Nitrobenzene-d5					63	75	31 - 110			
2-Fluorobiphenyl					74	81	42 - 107			
2,4,6-Tribromophenol					88	90	42 - 123			
Terphenyl-d14					75	78	41 - 115			



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 Samples Submitted: May 14, 2021
 Laboratory Reference: 2105-148
 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0517S1					
Aroclor 1016	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	90		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-148-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.387	0.408	0.500	0.500	ND	77	82	62-129	5	15	
<i>Surrogate:</i>											
DCB						77	86	54-135			



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 Samples Submitted: May 14, 2021
 Laboratory Reference: 2105-148
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0517S1					
alpha-BHC	ND	5.0	EPA 8081B	5-17-21	5-18-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-17-21	5-18-21	
beta-BHC	ND	5.0	EPA 8081B	5-17-21	5-18-21	
delta-BHC	ND	5.0	EPA 8081B	5-17-21	5-18-21	
Heptachlor	ND	5.0	EPA 8081B	5-17-21	5-18-21	
Aldrin	ND	5.0	EPA 8081B	5-17-21	5-18-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-17-21	5-18-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-17-21	5-18-21	
alpha-Chlordane	ND	10	EPA 8081B	5-17-21	5-18-21	
4,4'-DDE	ND	10	EPA 8081B	5-17-21	5-18-21	
Endosulfan I	ND	5.0	EPA 8081B	5-17-21	5-18-21	
Dieldrin	ND	10	EPA 8081B	5-17-21	5-18-21	
Endrin	ND	5.0	EPA 8081B	5-17-21	5-18-21	
4,4'-DDD	ND	10	EPA 8081B	5-17-21	5-18-21	
Endosulfan II	ND	10	EPA 8081B	5-17-21	5-18-21	
4,4'-DDT	ND	10	EPA 8081B	5-17-21	5-18-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-17-21	5-18-21	
Methoxychlor	ND	10	EPA 8081B	5-17-21	5-18-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-17-21	5-18-21	
Endrin Ketone	ND	10	EPA 8081B	5-17-21	5-18-21	
Toxaphene	ND	50	EPA 8081B	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>65</i>	<i>30-110</i>				
<i>DCB</i>	<i>96</i>	<i>40-117</i>				



Date of Report: May 19, 2021
 Samples Submitted: May 14, 2021
 Laboratory Reference: 2105-148
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	05-148-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	72.0	70.0	100	100	ND	72	70	36-123	3	21	
gamma-BHC (Lindane)	73.0	71.4	100	100	ND	73	71	38-121	2	21	
beta-BHC	70.2	68.5	100	100	ND	70	68	31-125	2	21	
delta-BHC	70.9	69.1	100	100	ND	71	69	37-118	3	23	
Heptachlor	62.9	61.3	100	100	ND	63	61	37-123	3	24	
Aldrin	65.0	63.3	100	100	ND	65	63	45-118	3	22	
Heptachlor Epoxide	67.3	65.9	100	100	ND	67	66	46-114	2	22	
gamma-Chlordane	63.2	61.9	100	100	ND	63	62	41-120	2	23	
alpha-Chlordane	62.6	61.0	100	100	ND	63	61	43-118	3	23	
4,4'-DDE	71.6	70.2	100	100	ND	72	70	34-139	2	22	
Endosulfan I	69.3	67.5	100	100	ND	69	67	43-124	3	25	
Dieldrin	73.1	72.0	100	100	ND	73	72	40-128	2	23	
Endrin	71.3	69.1	100	100	ND	71	69	44-120	3	28	
4,4'-DDD	79.8	77.6	100	100	ND	80	78	42-131	3	21	
Endosulfan II	66.5	64.7	100	100	ND	66	65	47-112	3	22	
4,4'-DDT	64.6	63.2	100	100	ND	65	63	29-141	2	32	
Endrin Aldehyde	64.0	62.4	100	100	ND	64	62	41-114	3	22	
Methoxychlor	65.0	62.9	100	100	ND	65	63	31-139	3	23	
Endosulfan Sulfate	66.2	63.6	100	100	ND	66	64	48-112	4	21	
Endrin Ketone	63.9	62.0	100	100	ND	64	62	46-117	3	22	
Surrogate:											
TCMX						46	42	30-110			
DCB						62	59	40-117			



Date of Report: May 19, 2021
 Samples Submitted: May 14, 2021
 Laboratory Reference: 2105-148
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0518S1					
Dalapon	ND	180	EPA 8151A	5-18-21	5-18-21	
Dicamba	ND	9.4	EPA 8151A	5-18-21	5-18-21	
MCPPE	ND	940	EPA 8151A	5-18-21	5-18-21	
MCPA	ND	2300	EPA 8151A	5-18-21	5-18-21	
Dichlorprop	ND	71	EPA 8151A	5-18-21	5-18-21	
2,4-D	ND	9.4	EPA 8151A	5-18-21	5-18-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-18-21	5-18-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-18-21	5-18-21	
2,4,5-T	ND	9.5	EPA 8151A	5-18-21	5-18-21	
2,4-DB	ND	9.5	EPA 8151A	5-18-21	5-18-21	
Dinoseb	ND	9.5	EPA 8151A	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	72	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0518S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	722	933	1250	1250	N/A	58	75	10-68 25 38
Dicamba	220	233	250	250	N/A	88	93	52-101 6 18
MCPPE	17300	18500	25000	25000	N/A	69	74	63-105 7 21
MCPA	16200	18500	25000	25000	N/A	65	74	45-107 13 21
Dichlorprop	190	199	250	250	N/A	76	80	54-106 5 18
2,4-D	155	178	250	250	N/A	62	71	33-95 14 25
Pentachlorophenol	23.4	24.5	25.0	25.0	N/A	94	98	48-125 5 20
2,4,5-TP (Silvex)	216	230	250	250	N/A	86	92	62-115 6 17
2,4,5-T	188	207	250	250	N/A	75	83	48-108 10 21
2,4-DB	166	182	250	250	N/A	66	73	45-114 9 23
Dinoseb	178	196	250	250	N/A	71	78	51-124 10 27
<i>Surrogate:</i>								
DCAA						92	98	27-134



Date of Report: May 19, 2021
 Samples Submitted: May 14, 2021
 Laboratory Reference: 2105-148
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0517SM1					
Arsenic	ND	10	EPA 6010D	5-17-21	5-17-21	
Cadmium	ND	0.50	EPA 6010D	5-17-21	5-17-21	
Chromium	ND	0.50	EPA 6010D	5-17-21	5-17-21	
Copper	ND	1.0	EPA 6010D	5-17-21	5-17-21	
Lead	ND	5.0	EPA 6010D	5-17-21	5-17-21	
Nickel	ND	2.5	EPA 6010D	5-17-21	5-17-21	
Zinc	ND	2.5	EPA 6010D	5-17-21	5-17-21	
Laboratory ID:	MB0517SM2					
Selenium	ND	0.50	EPA 6020B	5-17-21	5-17-21	
Laboratory ID:	MB0517S1					
Mercury	ND	0.015	EPA 7471B	5-17-21	5-17-21	



Date of Report: May 19, 2021
 Samples Submitted: May 14, 2021
 Laboratory Reference: 2105-148
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	05-148-02									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	20.3	20.9	NA	NA		NA	NA	3	20	
Copper	5.80	5.80	NA	NA		NA	NA	0	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	29.4	29.2	NA	NA		NA	NA	1	20	
Zinc	19.9	20.2	NA	NA		NA	NA	2	20	
Laboratory ID: 05-151-02										
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Laboratory ID: 05-148-02										
Mercury	ND	ND	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	05-148-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	92.9	91.2	100	100	ND	93	91	75-125	2	20
Cadmium	46.1	45.8	50.0	50.0	ND	92	92	75-125	1	20
Chromium	112	111	100	100	20.3	92	91	75-125	1	20
Copper	53.4	53.3	50.0	50.0	5.80	95	95	75-125	0	20
Lead	238	238	250	250	ND	95	95	75-125	0	20
Nickel	123	122	100	100	29.4	93	93	75-125	1	20
Zinc	116	115	100	100	19.9	96	95	75-125	0	20
Laboratory ID: 05-151-01										
Selenium	85.5	91.0	100	100	ND	86	91	75-125	6	20
Laboratory ID: 05-148-02										
Mercury	0.531	0.535	0.500	0.500	0.00790	105	105	80-120	1	20



Date of Report: May 19, 2021
Samples Submitted: May 14, 2021
Laboratory Reference: 2105-148
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-44-30	05-148-01	22	5-17-21
IAEX-45-35	05-148-02	25	5-17-21
IAEX-46-10	05-148-03	10	5-17-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





Onsite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request (In working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: 05-1148

Company: GeoEngineers
 Project Number: 6694-002-03 T700
 Project Name: Go East Corp Landfill Site
 Project Manager: Rob Leet
 Sampled by: Paul Robinette

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
01	IAEX-44-30	5/14/21	1205	S	6
02	IAEX-45-35		1215	S	6
03	IAEX-46-10		1245	S	6

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (X Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL METALS *	% Moisture
6			X	X	X			X		X	X	X	X					X	
6			X	X	X			X		X	X	X	X					X	
6			X	X	X			X		X	X	X	X					X	

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	GET	5/14/21	15:00	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc **PCB's as Aroclors
<i>[Signature]</i>	Speedy Alpha	5/14/21	7:25	
<i>[Signature]</i>	Speedy Alpha	5/14/21	8:14	
<i>[Signature]</i>	GET	5/14/21	1714	

Received: _____
 Relinquished: _____
 Received: _____
 Relinquished: _____
 Received: _____
 Relinquished: _____
 Received: _____
 Relinquished: _____
 Reviewed/Date: _____

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 21, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-160

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 17, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 21, 2021
Samples Submitted: May 17, 2021
Laboratory Reference: 2105-160
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 17, 2021 and received by the laboratory on May 17, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Total Metals EPA 6010D/7471B Analysis

The duplicate RPD for Lead and Zinc are outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

The Matrix Spike/ Matrix Spike Duplicate recoveries for Lead is outside control limits due to matrix inhomogeneity . The samples were re-extracted and re-analyzed with similar results. The Spike Blank recovery was 103%.for Lead .

The Matrix Spike/Matrix Spike Duplicate RPD for Lead is outside control limits due to matrix inhomogeneity. The samples were re-extracted and re-analyzed with similar results.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: May 21, 2021
Samples Submitted: May 17, 2021
Laboratory Reference: 2105-160
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-47-10	05-160-01	Soil	5-17-21	5-17-21	
IAEX-48-15	05-160-02	Soil	5-17-21	5-17-21	
IAEX-49-20	05-160-03	Soil	5-17-21	5-17-21	
DUP-210517	05-160-04	Soil	5-17-21	5-17-21	



Date of Report: May 21, 2021
 Samples Submitted: May 17, 2021
 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-47-10					
Laboratory ID:	05-160-01					
Gasoline	ND	6.5	NWTPH-Gx	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-129				
Client ID:	IAEX-48-15					
Laboratory ID:	05-160-02					
Gasoline	ND	7.2	NWTPH-Gx	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	101	66-129				
Client ID:	IAEX-49-20					
Laboratory ID:	05-160-03					
Gasoline	ND	5.8	NWTPH-Gx	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	66-129				
Client ID:	DUP-210517					
Laboratory ID:	05-160-04					
Gasoline	ND	6.8	NWTPH-Gx	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	66-129				



Date of Report: May 21, 2021
 Samples Submitted: May 17, 2021
 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-47-10					
Laboratory ID:	05-160-01					
Diesel Range Organics	ND	29	NWTPH-Dx	5-17-21	5-17-21	X1
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-17-21	5-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	78	50-150				

Client ID:	IAEX-48-15					
Laboratory ID:	05-160-02					
Diesel Range Organics	ND	33	NWTPH-Dx	5-17-21	5-17-21	X1
Lube Oil Range Organics	ND	65	NWTPH-Dx	5-17-21	5-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	82	50-150				

Client ID:	IAEX-49-20					
Laboratory ID:	05-160-03					
Diesel Range Organics	ND	28	NWTPH-Dx	5-17-21	5-17-21	X1
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-17-21	5-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	80	50-150				

Client ID:	DUP-210517					
Laboratory ID:	05-160-04					
Diesel Range Organics	ND	32	NWTPH-Dx	5-17-21	5-20-21	X1
Lube Oil Range Organics	ND	65	NWTPH-Dx	5-17-21	5-20-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	78	50-150				



Date of Report: May 21, 2021
 Samples Submitted: May 17, 2021
 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-47-10					
Laboratory ID:	05-160-01					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Chloromethane	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Bromomethane	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
Chloroethane	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Acetone	ND	0.012	EPA 8260D	5-18-21	5-18-21	
Iodomethane	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Methylene Chloride	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Vinyl Acetate	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
2-Butanone	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Chloroform	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Benzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
Toluene	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	



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 Project: 6694-002-03 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-47-10					
Laboratory ID:	05-160-01					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
2-Hexanone	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
m,p-Xylene	ND	0.0024	EPA 8260D	5-18-21	5-18-21	
o-Xylene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Styrene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Bromoform	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2-Dibromo-3-chloropropane	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
Naphthalene	ND	0.0060	EPA 8260D	5-18-21	5-18-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



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 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-48-15					
Laboratory ID:	05-160-02					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Chloromethane	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Bromomethane	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
Chloroethane	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Acetone	ND	0.011	EPA 8260D	5-18-21	5-18-21	
Iodomethane	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Methylene Chloride	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Vinyl Acetate	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
2-Butanone	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Chloroform	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Benzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Methyl Isobutyl Ketone	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
Toluene	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-48-15					
Laboratory ID:	05-160-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
2-Hexanone	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Ethylbenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
m,p-Xylene	ND	0.0021	EPA 8260D	5-18-21	5-18-21	
o-Xylene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Styrene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Bromoform	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
Hexachlorobutadiene	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
Naphthalene	ND	0.0053	EPA 8260D	5-18-21	5-18-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-130</i>				



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 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-49-20					
Laboratory ID:	05-160-03					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Chloromethane	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Bromomethane	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
Chloroethane	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Acetone	ND	0.010	EPA 8260D	5-18-21	5-18-21	
Iodomethane	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Methylene Chloride	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Vinyl Acetate	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
2-Butanone	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Chloroform	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Benzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Methyl Isobutyl Ketone	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
Toluene	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-49-20					
Laboratory ID:	05-160-03					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
2-Hexanone	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-18-21	5-18-21	
o-Xylene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Styrene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Bromoform	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Hexachlorobutadiene	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
Naphthalene	ND	0.0051	EPA 8260D	5-18-21	5-18-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



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 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210517					
Laboratory ID:	05-160-04					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Chloromethane	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Bromomethane	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
Chloroethane	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Acetone	ND	0.012	EPA 8260D	5-18-21	5-18-21	
Iodomethane	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Methylene Chloride	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Vinyl Acetate	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
2-Butanone	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Chloroform	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Benzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Methyl Isobutyl Ketone	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
Toluene	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210517					
Laboratory ID:	05-160-04					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
2-Hexanone	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
m,p-Xylene	ND	0.0024	EPA 8260D	5-18-21	5-18-21	
o-Xylene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Styrene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Bromoform	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
1,2-Dibromo-3-chloropropane	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
Hexachlorobutadiene	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
Naphthalene	ND	0.0061	EPA 8260D	5-18-21	5-18-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-47-10					
Laboratory ID:	05-160-01					
n-Nitrosodimethylamine	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Pyridine	ND	0.39	EPA 8270E	5-19-21	5-19-21	
Phenol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Aniline	ND	0.19	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroethyl)ether	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2-Chlorophenol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
1,3-Dichlorobenzene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
1,4-Dichlorobenzene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Benzyl alcohol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
1,2-Dichlorobenzene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2-Methylphenol (o-Cresol)	ND	0.039	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroisopropyl)ether	ND	0.039	EPA 8270E	5-19-21	5-19-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.039	EPA 8270E	5-19-21	5-19-21	
n-Nitroso-di-n-propylamine	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Hexachloroethane	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Nitrobenzene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Isophorone	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2-Nitrophenol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2,4-Dimethylphenol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroethoxy)methane	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2,4-Dichlorophenol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
1,2,4-Trichlorobenzene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Naphthalene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
4-Chloroaniline	ND	0.19	EPA 8270E	5-19-21	5-19-21	
Hexachlorobutadiene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
4-Chloro-3-methylphenol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
1-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
Hexachlorocyclopentadiene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2,4,6-Trichlorophenol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2,3-Dichloroaniline	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2,4,5-Trichlorophenol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2-Chloronaphthalene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2-Nitroaniline	ND	0.039	EPA 8270E	5-19-21	5-19-21	
1,4-Dinitrobenzene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Dimethylphthalate	ND	0.039	EPA 8270E	5-19-21	5-19-21	
1,3-Dinitrobenzene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2,6-Dinitrotoluene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
1,2-Dinitrobenzene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Acenaphthylene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
3-Nitroaniline	ND	0.039	EPA 8270E	5-19-21	5-19-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-47-10					
Laboratory ID:	05-160-01					
2,4-Dinitrophenol	ND	0.34	EPA 8270E	5-19-21	5-19-21	
Acenaphthene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
4-Nitrophenol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2,4-Dinitrotoluene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Dibenzofuran	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2,3,5,6-Tetrachlorophenol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
2,3,4,6-Tetrachlorophenol	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Diethylphthalate	ND	0.19	EPA 8270E	5-19-21	5-19-21	
4-Chlorophenyl-phenylether	ND	0.039	EPA 8270E	5-19-21	5-19-21	
4-Nitroaniline	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Fluorene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
4,6-Dinitro-2-methylphenol	ND	0.29	EPA 8270E	5-19-21	5-19-21	
n-Nitrosodiphenylamine	ND	0.039	EPA 8270E	5-19-21	5-19-21	
1,2-Diphenylhydrazine	ND	0.039	EPA 8270E	5-19-21	5-19-21	
4-Bromophenyl-phenylether	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Hexachlorobenzene	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Pentachlorophenol	ND	0.19	EPA 8270E	5-19-21	5-19-21	
Phenanthrene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
Anthracene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
Carbazole	ND	0.039	EPA 8270E	5-19-21	5-19-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	5-19-21	5-19-21	
Fluoranthene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
Pyrene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	5-19-21	5-19-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	5-19-21	5-19-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	5-19-21	5-19-21	
Benzo[a]anthracene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
Chrysene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	5-19-21	5-19-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	5-19-21	5-19-21	
Benzo[b]fluoranthene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo(j,k)fluoranthene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo[a]pyrene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
Indeno[1,2,3-cd]pyrene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
Dibenz[a,h]anthracene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo[g,h,i]perylene	ND	0.0077	EPA 8270E/SIM	5-19-21	5-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>63</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>72</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>60</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>72</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>85</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>72</i>	<i>41 - 115</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-48-15					
Laboratory ID:	05-160-02					
n-Nitrosodimethylamine	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Pyridine	ND	0.43	EPA 8270E	5-19-21	5-19-21	
Phenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Aniline	ND	0.22	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroethyl)ether	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Chlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,3-Dichlorobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,4-Dichlorobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Benzyl alcohol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,2-Dichlorobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Methylphenol (o-Cresol)	ND	0.043	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroisopropyl)ether	ND	0.043	EPA 8270E	5-19-21	5-19-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.043	EPA 8270E	5-19-21	5-19-21	
n-Nitroso-di-n-propylamine	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Hexachloroethane	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Nitrobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Isophorone	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Nitrophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,4-Dimethylphenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroethoxy)methane	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,4-Dichlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,2,4-Trichlorobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Naphthalene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
4-Chloroaniline	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Hexachlorobutadiene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
4-Chloro-3-methylphenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Methylnaphthalene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
1-Methylnaphthalene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
Hexachlorocyclopentadiene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,4,6-Trichlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,3-Dichloroaniline	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,4,5-Trichlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Chloronaphthalene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Nitroaniline	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,4-Dinitrobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Dimethylphthalate	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,3-Dinitrobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,6-Dinitrotoluene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,2-Dinitrobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Acenaphthylene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
3-Nitroaniline	ND	0.043	EPA 8270E	5-19-21	5-19-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-48-15					
Laboratory ID:	05-160-02					
2,4-Dinitrophenol	ND	0.38	EPA 8270E	5-19-21	5-19-21	
Acenaphthene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
4-Nitrophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,4-Dinitrotoluene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Dibenzofuran	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,3,5,6-Tetrachlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,3,4,6-Tetrachlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Diethylphthalate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
4-Chlorophenyl-phenylether	ND	0.043	EPA 8270E	5-19-21	5-19-21	
4-Nitroaniline	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Fluorene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
4,6-Dinitro-2-methylphenol	ND	0.33	EPA 8270E	5-19-21	5-19-21	
n-Nitrosodiphenylamine	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,2-Diphenylhydrazine	ND	0.043	EPA 8270E	5-19-21	5-19-21	
4-Bromophenyl-phenylether	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Hexachlorobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Pentachlorophenol	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Phenanthrene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
Anthracene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
Carbazole	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Di-n-butylphthalate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Fluoranthene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
Pyrene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
Butylbenzylphthalate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
bis-2-Ethylhexyladipate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
3,3'-Dichlorobenzidine	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Benzo[a]anthracene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
Chrysene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
bis(2-Ethylhexyl)phthalate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Di-n-octylphthalate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Benzo[b]fluoranthene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo(j,k)fluoranthene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo[a]pyrene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
Indeno[1,2,3-cd]pyrene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
Dibenz[a,h]anthracene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo[g,h,i]perylene	ND	0.0087	EPA 8270E/SIM	5-19-21	5-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>58</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>63</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>56</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>65</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>76</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>69</i>	<i>41 - 115</i>				



Date of Report: May 21, 2021
 Samples Submitted: May 17, 2021
 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-49-20					
Laboratory ID:	05-160-03					
n-Nitrosodimethylamine	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Pyridine	ND	0.37	EPA 8270E	5-19-21	5-19-21	
Phenol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Aniline	ND	0.18	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2-Chlorophenol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
1,3-Dichlorobenzene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
1,4-Dichlorobenzene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Benzyl alcohol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
1,2-Dichlorobenzene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270E	5-19-21	5-19-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270E	5-19-21	5-19-21	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Hexachloroethane	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Nitrobenzene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Isophorone	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2-Nitrophenol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2,4-Dimethylphenol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2,4-Dichlorophenol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Naphthalene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-19-21	5-19-21	
Hexachlorobutadiene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
1-Methylnaphthalene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2,3-Dichloroaniline	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2-Chloronaphthalene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2-Nitroaniline	ND	0.037	EPA 8270E	5-19-21	5-19-21	
1,4-Dinitrobenzene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Dimethylphthalate	ND	0.037	EPA 8270E	5-19-21	5-19-21	
1,3-Dinitrobenzene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2,6-Dinitrotoluene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
1,2-Dinitrobenzene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Acenaphthylene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
3-Nitroaniline	ND	0.037	EPA 8270E	5-19-21	5-19-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-49-20					
Laboratory ID:	05-160-03					
2,4-Dinitrophenol	ND	0.32	EPA 8270E	5-19-21	5-19-21	
Acenaphthene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
4-Nitrophenol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2,4-Dinitrotoluene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Dibenzofuran	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-19-21	5-19-21	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270E	5-19-21	5-19-21	
4-Nitroaniline	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Fluorene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
4,6-Dinitro-2-methylphenol	ND	0.28	EPA 8270E	5-19-21	5-19-21	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270E	5-19-21	5-19-21	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270E	5-19-21	5-19-21	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Hexachlorobenzene	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-19-21	5-19-21	
Phenanthrene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
Anthracene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
Carbazole	ND	0.037	EPA 8270E	5-19-21	5-19-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-19-21	5-19-21	
Fluoranthene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
Pyrene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-19-21	5-19-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-19-21	5-19-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-19-21	5-19-21	
Benzo[a]anthracene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
Chrysene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-19-21	5-19-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-19-21	5-19-21	
Benzo[b]fluoranthene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo(j,k)fluoranthene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo[a]pyrene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
Indeno[1,2,3-cd]pyrene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
Dibenz[a,h]anthracene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo[g,h,i]perylene	ND	0.0074	EPA 8270E/SIM	5-19-21	5-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>56</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>68</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>57</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>67</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>76</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>68</i>	<i>41 - 115</i>				



Date of Report: May 21, 2021
 Samples Submitted: May 17, 2021
 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210517					
Laboratory ID:	05-160-04					
n-Nitrosodimethylamine	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Pyridine	ND	0.43	EPA 8270E	5-19-21	5-19-21	
Phenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Aniline	ND	0.22	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroethyl)ether	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Chlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,3-Dichlorobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,4-Dichlorobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Benzyl alcohol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,2-Dichlorobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Methylphenol (o-Cresol)	ND	0.043	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroisopropyl)ether	ND	0.043	EPA 8270E	5-19-21	5-19-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.043	EPA 8270E	5-19-21	5-19-21	
n-Nitroso-di-n-propylamine	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Hexachloroethane	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Nitrobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Isophorone	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Nitrophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,4-Dimethylphenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroethoxy)methane	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,4-Dichlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,2,4-Trichlorobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Naphthalene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
4-Chloroaniline	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Hexachlorobutadiene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
4-Chloro-3-methylphenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Methylnaphthalene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
1-Methylnaphthalene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
Hexachlorocyclopentadiene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,4,6-Trichlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,3-Dichloroaniline	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,4,5-Trichlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Chloronaphthalene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2-Nitroaniline	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,4-Dinitrobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Dimethylphthalate	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,3-Dinitrobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,6-Dinitrotoluene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,2-Dinitrobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Acenaphthylene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
3-Nitroaniline	ND	0.043	EPA 8270E	5-19-21	5-19-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210517					
Laboratory ID:	05-160-04					
2,4-Dinitrophenol	ND	0.38	EPA 8270E	5-19-21	5-19-21	
Acenaphthene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
4-Nitrophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,4-Dinitrotoluene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Dibenzofuran	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,3,5,6-Tetrachlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
2,3,4,6-Tetrachlorophenol	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Diethylphthalate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
4-Chlorophenyl-phenylether	ND	0.043	EPA 8270E	5-19-21	5-19-21	
4-Nitroaniline	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Fluorene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
4,6-Dinitro-2-methylphenol	ND	0.33	EPA 8270E	5-19-21	5-19-21	
n-Nitrosodiphenylamine	ND	0.043	EPA 8270E	5-19-21	5-19-21	
1,2-Diphenylhydrazine	ND	0.043	EPA 8270E	5-19-21	5-19-21	
4-Bromophenyl-phenylether	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Hexachlorobenzene	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Pentachlorophenol	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Phenanthrene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
Anthracene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
Carbazole	ND	0.043	EPA 8270E	5-19-21	5-19-21	
Di-n-butylphthalate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Fluoranthene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
Pyrene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
Butylbenzylphthalate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
bis-2-Ethylhexyladipate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
3,3'-Dichlorobenzidine	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Benzo[a]anthracene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
Chrysene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
bis(2-Ethylhexyl)phthalate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Di-n-octylphthalate	ND	0.22	EPA 8270E	5-19-21	5-19-21	
Benzo[b]fluoranthene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo(j,k)fluoranthene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo[a]pyrene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
Indeno[1,2,3-cd]pyrene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
Dibenz[a,h]anthracene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo[g,h,i]perylene	ND	0.0086	EPA 8270E/SIM	5-19-21	5-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	68	26 - 109				
Phenol-d6	73	33 - 113				
Nitrobenzene-d5	67	31 - 110				
2-Fluorobiphenyl	73	42 - 107				
2,4,6-Tribromophenol	75	42 - 123				
Terphenyl-d14	69	41 - 115				



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 Laboratory Reference: 2105-160
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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-47-10					
Laboratory ID:	05-160-01					
Aroclor 1016	ND	0.058	EPA 8082A	5-17-21	5-18-21	
Aroclor 1221	ND	0.058	EPA 8082A	5-17-21	5-18-21	
Aroclor 1232	ND	0.058	EPA 8082A	5-17-21	5-18-21	
Aroclor 1242	ND	0.058	EPA 8082A	5-17-21	5-18-21	
Aroclor 1248	ND	0.058	EPA 8082A	5-17-21	5-18-21	
Aroclor 1254	ND	0.058	EPA 8082A	5-17-21	5-18-21	
Aroclor 1260	ND	0.058	EPA 8082A	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	74	54-135				
Client ID:	IAEX-48-15					
Laboratory ID:	05-160-02					
Aroclor 1016	ND	0.065	EPA 8082A	5-17-21	5-18-21	
Aroclor 1221	ND	0.065	EPA 8082A	5-17-21	5-18-21	
Aroclor 1232	ND	0.065	EPA 8082A	5-17-21	5-18-21	
Aroclor 1242	ND	0.065	EPA 8082A	5-17-21	5-18-21	
Aroclor 1248	ND	0.065	EPA 8082A	5-17-21	5-18-21	
Aroclor 1254	ND	0.065	EPA 8082A	5-17-21	5-18-21	
Aroclor 1260	ND	0.065	EPA 8082A	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	81	54-135				
Client ID:	IAEX-49-20					
Laboratory ID:	05-160-03					
Aroclor 1016	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1221	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1232	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1242	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1248	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1254	ND	0.055	EPA 8082A	5-17-21	5-18-21	
Aroclor 1260	ND	0.055	EPA 8082A	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	81	54-135				



Date of Report: May 21, 2021
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 Project: 6694-002-03 T700

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210517					
Laboratory ID:	05-160-04					
Aroclor 1016	ND	0.065	EPA 8082A	5-19-21	5-19-21	
Aroclor 1221	ND	0.065	EPA 8082A	5-19-21	5-19-21	
Aroclor 1232	ND	0.065	EPA 8082A	5-19-21	5-19-21	
Aroclor 1242	ND	0.065	EPA 8082A	5-19-21	5-19-21	
Aroclor 1248	ND	0.065	EPA 8082A	5-19-21	5-19-21	
Aroclor 1254	ND	0.065	EPA 8082A	5-19-21	5-19-21	
Aroclor 1260	ND	0.065	EPA 8082A	5-19-21	5-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	85	54-135				



Date of Report: May 21, 2021
 Samples Submitted: May 17, 2021
 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-47-10					
Laboratory ID:	05-160-01					
alpha-BHC	ND	5.8	EPA 8081B	5-17-21	5-21-21	
gamma-BHC (Lindane)	ND	5.8	EPA 8081B	5-17-21	5-21-21	
beta-BHC	ND	5.8	EPA 8081B	5-17-21	5-21-21	
delta-BHC	ND	5.8	EPA 8081B	5-17-21	5-21-21	
Heptachlor	ND	5.8	EPA 8081B	5-17-21	5-21-21	
Aldrin	ND	5.8	EPA 8081B	5-17-21	5-21-21	
Heptachlor Epoxide	ND	5.8	EPA 8081B	5-17-21	5-21-21	
gamma-Chlordane	ND	5.8	EPA 8081B	5-17-21	5-21-21	
alpha-Chlordane	ND	12	EPA 8081B	5-17-21	5-21-21	
4,4'-DDE	ND	12	EPA 8081B	5-17-21	5-21-21	
Endosulfan I	ND	5.8	EPA 8081B	5-17-21	5-21-21	
Dieldrin	ND	12	EPA 8081B	5-17-21	5-21-21	
Endrin	ND	5.8	EPA 8081B	5-17-21	5-21-21	
4,4'-DDD	ND	12	EPA 8081B	5-17-21	5-21-21	
Endosulfan II	ND	12	EPA 8081B	5-17-21	5-21-21	
4,4'-DDT	ND	12	EPA 8081B	5-17-21	5-21-21	
Endrin Aldehyde	ND	12	EPA 8081B	5-17-21	5-21-21	
Methoxychlor	ND	12	EPA 8081B	5-17-21	5-21-21	
Endosulfan Sulfate	ND	12	EPA 8081B	5-17-21	5-21-21	
Endrin Ketone	ND	12	EPA 8081B	5-17-21	5-21-21	
Toxaphene	ND	58	EPA 8081B	5-17-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	65	30-110				
DCB	86	40-117				



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 Samples Submitted: May 17, 2021
 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-48-15					
Laboratory ID:	05-160-02					
alpha-BHC	ND	6.5	EPA 8081B	5-17-21	5-21-21	
gamma-BHC (Lindane)	ND	6.5	EPA 8081B	5-17-21	5-21-21	
beta-BHC	ND	6.5	EPA 8081B	5-17-21	5-21-21	
delta-BHC	ND	6.5	EPA 8081B	5-17-21	5-21-21	
Heptachlor	ND	6.5	EPA 8081B	5-17-21	5-21-21	
Aldrin	ND	6.5	EPA 8081B	5-17-21	5-21-21	
Heptachlor Epoxide	ND	6.5	EPA 8081B	5-17-21	5-21-21	
gamma-Chlordane	ND	6.5	EPA 8081B	5-17-21	5-21-21	
alpha-Chlordane	ND	13	EPA 8081B	5-17-21	5-21-21	
4,4'-DDE	ND	13	EPA 8081B	5-17-21	5-21-21	
Endosulfan I	ND	6.5	EPA 8081B	5-17-21	5-21-21	
Dieldrin	ND	13	EPA 8081B	5-17-21	5-21-21	
Endrin	ND	6.5	EPA 8081B	5-17-21	5-21-21	
4,4'-DDD	ND	13	EPA 8081B	5-17-21	5-21-21	
Endosulfan II	ND	13	EPA 8081B	5-17-21	5-21-21	
4,4'-DDT	ND	13	EPA 8081B	5-17-21	5-21-21	
Endrin Aldehyde	ND	13	EPA 8081B	5-17-21	5-21-21	
Methoxychlor	ND	13	EPA 8081B	5-17-21	5-21-21	
Endosulfan Sulfate	ND	13	EPA 8081B	5-17-21	5-21-21	
Endrin Ketone	ND	13	EPA 8081B	5-17-21	5-21-21	
Toxaphene	ND	65	EPA 8081B	5-17-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	57	30-110				
DCB	87	40-117				



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 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-49-20					
Laboratory ID:	05-160-03					
alpha-BHC	ND	5.5	EPA 8081B	5-17-21	5-21-21	
gamma-BHC (Lindane)	ND	5.5	EPA 8081B	5-17-21	5-21-21	
beta-BHC	ND	5.5	EPA 8081B	5-17-21	5-21-21	
delta-BHC	ND	5.5	EPA 8081B	5-17-21	5-21-21	
Heptachlor	ND	5.5	EPA 8081B	5-17-21	5-21-21	
Aldrin	ND	5.5	EPA 8081B	5-17-21	5-21-21	
Heptachlor Epoxide	ND	5.5	EPA 8081B	5-17-21	5-21-21	
gamma-Chlordane	ND	5.5	EPA 8081B	5-17-21	5-21-21	
alpha-Chlordane	ND	11	EPA 8081B	5-17-21	5-21-21	
4,4'-DDE	ND	11	EPA 8081B	5-17-21	5-21-21	
Endosulfan I	ND	5.5	EPA 8081B	5-17-21	5-21-21	
Dieldrin	ND	11	EPA 8081B	5-17-21	5-21-21	
Endrin	ND	5.5	EPA 8081B	5-17-21	5-21-21	
4,4'-DDD	ND	11	EPA 8081B	5-17-21	5-21-21	
Endosulfan II	ND	11	EPA 8081B	5-17-21	5-21-21	
4,4'-DDT	ND	11	EPA 8081B	5-17-21	5-21-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-17-21	5-21-21	
Methoxychlor	ND	11	EPA 8081B	5-17-21	5-21-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-17-21	5-21-21	
Endrin Ketone	ND	11	EPA 8081B	5-17-21	5-21-21	
Toxaphene	ND	55	EPA 8081B	5-17-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	72	30-110				
DCB	94	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210517					
Laboratory ID:	05-160-04					
alpha-BHC	ND	6.5	EPA 8081B	5-17-21	5-21-21	
gamma-BHC (Lindane)	ND	6.5	EPA 8081B	5-17-21	5-21-21	
beta-BHC	ND	6.5	EPA 8081B	5-17-21	5-21-21	
delta-BHC	ND	6.5	EPA 8081B	5-17-21	5-21-21	
Heptachlor	ND	6.5	EPA 8081B	5-17-21	5-21-21	
Aldrin	ND	6.5	EPA 8081B	5-17-21	5-21-21	
Heptachlor Epoxide	ND	6.5	EPA 8081B	5-17-21	5-21-21	
gamma-Chlordane	ND	6.5	EPA 8081B	5-17-21	5-21-21	
alpha-Chlordane	ND	13	EPA 8081B	5-17-21	5-21-21	
4,4'-DDE	ND	13	EPA 8081B	5-17-21	5-21-21	
Endosulfan I	ND	6.5	EPA 8081B	5-17-21	5-21-21	
Dieldrin	ND	13	EPA 8081B	5-17-21	5-21-21	
Endrin	ND	6.5	EPA 8081B	5-17-21	5-21-21	
4,4'-DDD	ND	13	EPA 8081B	5-17-21	5-21-21	
Endosulfan II	ND	13	EPA 8081B	5-17-21	5-21-21	
4,4'-DDT	ND	13	EPA 8081B	5-17-21	5-21-21	
Endrin Aldehyde	ND	13	EPA 8081B	5-17-21	5-21-21	
Methoxychlor	ND	13	EPA 8081B	5-17-21	5-21-21	
Endosulfan Sulfate	ND	13	EPA 8081B	5-17-21	5-21-21	
Endrin Ketone	ND	13	EPA 8081B	5-17-21	5-21-21	
Toxaphene	ND	65	EPA 8081B	5-17-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	59	30-110				
DCB	76	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-47-10					
Laboratory ID:	05-160-01					
Dalapon	ND	210	EPA 8151A	5-18-21	5-19-21	
Dicamba	ND	11	EPA 8151A	5-18-21	5-19-21	
MCPPP	ND	1100	EPA 8151A	5-18-21	5-19-21	
MCPA	ND	2700	EPA 8151A	5-18-21	5-19-21	
Dichlorprop	ND	82	EPA 8151A	5-18-21	5-19-21	
2,4-D	ND	11	EPA 8151A	5-18-21	5-19-21	
Pentachlorophenol	ND	5.5	EPA 8151A	5-18-21	5-19-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-18-21	5-19-21	
2,4,5-T	ND	11	EPA 8151A	5-18-21	5-19-21	
2,4-DB	ND	11	EPA 8151A	5-18-21	5-19-21	
Dinoseb	ND	11	EPA 8151A	5-18-21	5-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	98	27-134				
Client ID:	IAEX-48-15					
Laboratory ID:	05-160-02					
Dalapon	ND	240	EPA 8151A	5-18-21	5-19-21	
Dicamba	ND	12	EPA 8151A	5-18-21	5-19-21	
MCPPP	ND	1200	EPA 8151A	5-18-21	5-19-21	
MCPA	ND	3000	EPA 8151A	5-18-21	5-19-21	
Dichlorprop	ND	92	EPA 8151A	5-18-21	5-19-21	
2,4-D	ND	12	EPA 8151A	5-18-21	5-19-21	
Pentachlorophenol	ND	6.2	EPA 8151A	5-18-21	5-19-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	5-18-21	5-19-21	
2,4,5-T	ND	12	EPA 8151A	5-18-21	5-19-21	
2,4-DB	ND	12	EPA 8151A	5-18-21	5-19-21	
Dinoseb	ND	12	EPA 8151A	5-18-21	5-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	96	27-134				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-49-20					
Laboratory ID:	05-160-03					
Dalapon	ND	200	EPA 8151A	5-18-21	5-19-21	
Dicamba	ND	10	EPA 8151A	5-18-21	5-19-21	
MCPD	ND	1000	EPA 8151A	5-18-21	5-19-21	
MCPA	ND	2600	EPA 8151A	5-18-21	5-19-21	
Dichlorprop	ND	78	EPA 8151A	5-18-21	5-19-21	
2,4-D	ND	10	EPA 8151A	5-18-21	5-19-21	
Pentachlorophenol	ND	5.3	EPA 8151A	5-18-21	5-19-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-18-21	5-19-21	
2,4,5-T	ND	10	EPA 8151A	5-18-21	5-19-21	
2,4-DB	ND	10	EPA 8151A	5-18-21	5-19-21	
Dinoseb	ND	10	EPA 8151A	5-18-21	5-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	93	27-134				
Client ID:	DUP-210517					
Laboratory ID:	05-160-04					
Dalapon	ND	240	EPA 8151A	5-18-21	5-19-21	
Dicamba	ND	12	EPA 8151A	5-18-21	5-19-21	
MCPD	ND	1200	EPA 8151A	5-18-21	5-19-21	
MCPA	ND	3000	EPA 8151A	5-18-21	5-19-21	
Dichlorprop	ND	92	EPA 8151A	5-18-21	5-19-21	
2,4-D	ND	12	EPA 8151A	5-18-21	5-19-21	
Pentachlorophenol	ND	6.2	EPA 8151A	5-18-21	5-19-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	5-18-21	5-19-21	
2,4,5-T	ND	12	EPA 8151A	5-18-21	5-19-21	
2,4-DB	ND	12	EPA 8151A	5-18-21	5-19-21	
Dinoseb	ND	12	EPA 8151A	5-18-21	5-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	93	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-47-10					
Laboratory ID:	05-160-01					
Arsenic	ND	12	EPA 6010D	5-19-21	5-19-21	
Cadmium	ND	0.58	EPA 6010D	5-19-21	5-19-21	
Chromium	31	0.58	EPA 6010D	5-19-21	5-19-21	
Copper	18	1.2	EPA 6010D	5-19-21	5-19-21	
Lead	11	5.8	EPA 6010D	5-19-21	5-19-21	
Mercury	0.043	0.020	EPA 7471B	5-19-21	5-19-21	
Nickel	46	2.9	EPA 6010D	5-19-21	5-19-21	
Selenium	ND	0.58	EPA 6020B	5-20-21	5-20-21	
Zinc	33	2.9	EPA 6010D	5-19-21	5-19-21	

Client ID:	IAEX-48-15					
Laboratory ID:	05-160-02					
Arsenic	ND	13	EPA 6010D	5-19-21	5-19-21	
Cadmium	ND	0.65	EPA 6010D	5-19-21	5-19-21	
Chromium	32	0.65	EPA 6010D	5-19-21	5-19-21	
Copper	17	1.3	EPA 6010D	5-19-21	5-19-21	
Lead	ND	6.5	EPA 6010D	5-19-21	5-19-21	
Mercury	0.061	0.023	EPA 7471B	5-19-21	5-19-21	
Nickel	55	3.2	EPA 6010D	5-19-21	5-19-21	
Selenium	ND	0.65	EPA 6020B	5-20-21	5-20-21	
Zinc	37	3.2	EPA 6010D	5-19-21	5-19-21	

Client ID:	IAEX-49-20					
Laboratory ID:	05-160-03					
Arsenic	ND	11	EPA 6010D	5-19-21	5-19-21	
Cadmium	ND	0.55	EPA 6010D	5-19-21	5-19-21	
Chromium	31	0.55	EPA 6010D	5-19-21	5-19-21	
Copper	9.1	1.1	EPA 6010D	5-19-21	5-19-21	
Lead	ND	5.5	EPA 6010D	5-19-21	5-19-21	
Mercury	0.050	0.019	EPA 7471B	5-19-21	5-19-21	
Nickel	47	2.8	EPA 6010D	5-19-21	5-19-21	
Selenium	ND	0.55	EPA 6020B	5-20-21	5-20-21	
Zinc	19	2.8	EPA 6010D	5-19-21	5-19-21	



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DUP-210517					
Laboratory ID:	05-160-04					
Arsenic	ND	13	EPA 6010D	5-19-21	5-19-21	
Cadmium	ND	0.65	EPA 6010D	5-19-21	5-19-21	
Chromium	32	0.65	EPA 6010D	5-19-21	5-19-21	
Copper	16	1.3	EPA 6010D	5-19-21	5-19-21	
Lead	ND	6.5	EPA 6010D	5-19-21	5-19-21	
Mercury	0.14	0.023	EPA 7471B	5-19-21	5-19-21	
Nickel	55	3.2	EPA 6010D	5-19-21	5-19-21	
Selenium	ND	0.65	EPA 6020B	5-20-21	5-20-21	
Zinc	37	3.2	EPA 6010D	5-19-21	5-19-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0518S1					
Gasoline	ND	5.0	NWTPH-Gx	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	95	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-160-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
Fluorobenzene				97	101	66-129		



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0517S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-17-21	5-17-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-17-21	5-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0517S1							
	ORIG	DUP						
Diesel Fuel #2	121	114	NA	NA	NA	NA	6	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				104	101	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0518S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Chloromethane	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Bromomethane	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
Chloroethane	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Acetone	ND	0.010	EPA 8260D	5-18-21	5-18-21	
Iodomethane	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
2-Butanone	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Chloroform	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Benzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
Toluene	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0518S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-18-21	5-18-21	
o-Xylene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Styrene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Bromoform	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
Naphthalene	ND	0.0050	EPA 8260D	5-18-21	5-18-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0518S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0497	0.0501	0.0500	0.0500	99	100	71-131	1	19	
Benzene	0.0480	0.0500	0.0500	0.0500	96	100	73-124	4	18	
Trichloroethene	0.0509	0.0530	0.0500	0.0500	102	106	79-130	4	18	
Toluene	0.0480	0.0490	0.0500	0.0500	96	98	76-123	2	18	
Chlorobenzene	0.0450	0.0476	0.0500	0.0500	90	95	78-122	6	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					102	97	74-131			
<i>Toluene-d8</i>					102	101	78-128			
<i>4-Bromofluorobenzene</i>					105	104	71-130			



Date of Report: May 21, 2021
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 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0519S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Pyridine	ND	0.33	EPA 8270E	5-19-21	5-19-21	
Phenol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Aniline	ND	0.17	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-19-21	5-19-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-19-21	5-19-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Isophorone	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-19-21	5-19-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-19-21	5-19-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-19-21	5-19-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-19-21	5-19-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0519S1					
2,4-Dinitrophenol	ND	0.29	EPA 8270E	5-19-21	5-19-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
4-Nitrophenol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Dibenzofuran	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-19-21	5-19-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-19-21	5-19-21	
4-Nitroaniline	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
4,6-Dinitro-2-methylphenol	ND	0.25	EPA 8270E	5-19-21	5-19-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-19-21	5-19-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-19-21	5-19-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-19-21	5-19-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
Carbazole	ND	0.033	EPA 8270E	5-19-21	5-19-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-19-21	5-19-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-19-21	5-19-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-19-21	5-19-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-19-21	5-19-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-19-21	5-19-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-19-21	5-19-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-19-21	5-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	53	26 - 109				
Phenol-d6	60	33 - 113				
Nitrobenzene-d5	52	31 - 110				
2-Fluorobiphenyl	60	42 - 107				
2,4,6-Tribromophenol	75	42 - 123				
Terphenyl-d14	67	41 - 115				



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 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	05-160-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.801	0.787	1.33	1.33	ND	60	59	33 - 105	2	36	
2-Chlorophenol	0.877	0.808	1.33	1.33	ND	66	61	36 - 105	8	38	
1,4-Dichlorobenzene	0.351	0.343	0.667	0.667	ND	53	51	27 - 106	2	40	
n-Nitroso-di-n-propylamine	0.419	0.381	0.667	0.667	ND	63	57	28 - 111	10	35	
1,2,4-Trichlorobenzene	0.447	0.409	0.667	0.667	ND	67	61	37 - 104	9	41	
4-Chloro-3-methylphenol	0.849	0.942	1.33	1.33	ND	64	71	42 - 113	10	25	
Acenaphthene	0.458	0.487	0.667	0.667	ND	69	73	36 - 104	6	23	
4-Nitrophenol	0.956	1.06	1.33	1.33	ND	72	80	22 - 135	10	24	
2,4-Dinitrotoluene	0.471	0.490	0.667	0.667	ND	71	73	25 - 114	4	26	
Pentachlorophenol	1.26	1.28	1.33	1.33	ND	95	96	28 - 135	2	28	
Pyrene	0.469	0.507	0.667	0.667	ND	70	76	29 - 127	8	20	
<i>Surrogate:</i>											
2-Fluorophenol						62	56	26 - 109			
Phenol-d6						69	70	33 - 113			
Nitrobenzene-d5						63	57	31 - 110			
2-Fluorobiphenyl						68	71	42 - 107			
2,4,6-Tribromophenol						71	81	42 - 123			
Terphenyl-d14						66	72	41 - 115			



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 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0517S1					
Aroclor 1016	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-17-21	5-18-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	90	54-135				

Laboratory ID:	MB0519S1					
Aroclor 1016	ND	0.050	EPA 8082A	5-19-21	5-19-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-19-21	5-19-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-19-21	5-19-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-19-21	5-19-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-19-21	5-19-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-19-21	5-19-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-19-21	5-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	89	54-135				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-148-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.387	0.408	0.500	0.500	ND	77	82	62-129	5	15	
<i>Surrogate:</i>											
DCB						77	86	54-135			
Laboratory ID:	05-160-04										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.457	0.450	0.500	0.500	ND	91	90	62-129	2	15	
<i>Surrogate:</i>											
DCB						83	85	54-135			



Date of Report: May 21, 2021
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 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0517S1					
alpha-BHC	ND	5.0	EPA 8081B	5-17-21	5-18-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-17-21	5-18-21	
beta-BHC	ND	5.0	EPA 8081B	5-17-21	5-18-21	
delta-BHC	ND	5.0	EPA 8081B	5-17-21	5-18-21	
Heptachlor	ND	5.0	EPA 8081B	5-17-21	5-18-21	
Aldrin	ND	5.0	EPA 8081B	5-17-21	5-18-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-17-21	5-18-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-17-21	5-18-21	
alpha-Chlordane	ND	10	EPA 8081B	5-17-21	5-18-21	
4,4'-DDE	ND	10	EPA 8081B	5-17-21	5-18-21	
Endosulfan I	ND	5.0	EPA 8081B	5-17-21	5-18-21	
Dieldrin	ND	10	EPA 8081B	5-17-21	5-18-21	
Endrin	ND	5.0	EPA 8081B	5-17-21	5-18-21	
4,4'-DDD	ND	10	EPA 8081B	5-17-21	5-18-21	
Endosulfan II	ND	10	EPA 8081B	5-17-21	5-18-21	
4,4'-DDT	ND	10	EPA 8081B	5-17-21	5-18-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-17-21	5-18-21	
Methoxychlor	ND	10	EPA 8081B	5-17-21	5-18-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-17-21	5-18-21	
Endrin Ketone	ND	10	EPA 8081B	5-17-21	5-18-21	
Toxaphene	ND	50	EPA 8081B	5-17-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>65</i>	<i>30-110</i>				
<i>DCB</i>	<i>96</i>	<i>40-117</i>				



Date of Report: May 21, 2021
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 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	05-148-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	72.0	70.0	100	100	ND	72	70	36-123	3	21	
gamma-BHC (Lindane)	73.0	71.4	100	100	ND	73	71	38-121	2	21	
beta-BHC	70.2	68.5	100	100	ND	70	68	31-125	2	21	
delta-BHC	70.9	69.1	100	100	ND	71	69	37-118	3	23	
Heptachlor	62.9	61.3	100	100	ND	63	61	37-123	3	24	
Aldrin	65.0	63.3	100	100	ND	65	63	45-118	3	22	
Heptachlor Epoxide	67.3	65.9	100	100	ND	67	66	46-114	2	22	
gamma-Chlordane	63.2	61.9	100	100	ND	63	62	41-120	2	23	
alpha-Chlordane	62.6	61.0	100	100	ND	63	61	43-118	3	23	
4,4'-DDE	71.6	70.2	100	100	ND	72	70	34-139	2	22	
Endosulfan I	69.3	67.5	100	100	ND	69	67	43-124	3	25	
Dieldrin	73.1	72.0	100	100	ND	73	72	40-128	2	23	
Endrin	71.3	69.1	100	100	ND	71	69	44-120	3	28	
4,4'-DDD	79.8	77.6	100	100	ND	80	78	42-131	3	21	
Endosulfan II	66.5	64.7	100	100	ND	66	65	47-112	3	22	
4,4'-DDT	64.6	63.2	100	100	ND	65	63	29-141	2	32	
Endrin Aldehyde	64.0	62.4	100	100	ND	64	62	41-114	3	22	
Methoxychlor	65.0	62.9	100	100	ND	65	63	31-139	3	23	
Endosulfan Sulfate	66.2	63.6	100	100	ND	66	64	48-112	4	21	
Endrin Ketone	63.9	62.0	100	100	ND	64	62	46-117	3	22	
Surrogate:											
TCMX						46	42	30-110			
DCB						62	59	40-117			



Date of Report: May 21, 2021
 Samples Submitted: May 17, 2021
 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0518S1					
Dalapon	ND	180	EPA 8151A	5-18-21	5-18-21	
Dicamba	ND	9.4	EPA 8151A	5-18-21	5-18-21	
MCPPE	ND	940	EPA 8151A	5-18-21	5-18-21	
MCPA	ND	2300	EPA 8151A	5-18-21	5-18-21	
Dichlorprop	ND	71	EPA 8151A	5-18-21	5-18-21	
2,4-D	ND	9.4	EPA 8151A	5-18-21	5-18-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-18-21	5-18-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-18-21	5-18-21	
2,4,5-T	ND	9.5	EPA 8151A	5-18-21	5-18-21	
2,4-DB	ND	9.5	EPA 8151A	5-18-21	5-18-21	
Dinoseb	ND	9.5	EPA 8151A	5-18-21	5-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	72	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0518S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	722	933	1250	1250	N/A	58	75	10-68 25 38
Dicamba	220	233	250	250	N/A	88	93	52-101 6 18
MCPPE	17300	18500	25000	25000	N/A	69	74	63-105 7 21
MCPA	16200	18500	25000	25000	N/A	65	74	45-107 13 21
Dichlorprop	190	199	250	250	N/A	76	80	54-106 5 18
2,4-D	155	178	250	250	N/A	62	71	33-95 14 25
Pentachlorophenol	23.4	24.5	25.0	25.0	N/A	94	98	48-125 5 20
2,4,5-TP (Silvex)	216	230	250	250	N/A	86	92	62-115 6 17
2,4,5-T	188	207	250	250	N/A	75	83	48-108 10 21
2,4-DB	166	182	250	250	N/A	66	73	45-114 9 23
Dinoseb	178	196	250	250	N/A	71	78	51-124 10 27
<i>Surrogate:</i>								
DCAA						92	98	27-134



Date of Report: May 21, 2021
 Samples Submitted: May 17, 2021
 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0519SM1					
Arsenic	ND	10	EPA 6010D	5-19-21	5-19-21	
Cadmium	ND	0.50	EPA 6010D	5-19-21	5-19-21	
Chromium	ND	0.50	EPA 6010D	5-19-21	5-19-21	
Copper	ND	1.0	EPA 6010D	5-19-21	5-19-21	
Lead	ND	5.0	EPA 6010D	5-19-21	5-19-21	
Nickel	ND	2.5	EPA 6010D	5-19-21	5-19-21	
Zinc	ND	2.5	EPA 6010D	5-19-21	5-19-21	
Laboratory ID:	MB0520SM2					
Selenium	ND	0.50	EPA 6020B	5-19-21	5-19-21	
Laboratory ID:	MB0519S1					
Mercury	ND	0.018	EPA 7471B	5-19-21	5-19-21	



Date of Report: May 21, 2021
 Samples Submitted: May 17, 2021
 Laboratory Reference: 2105-160
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	05-160-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	1.56	NA	NA		NA	NA	NA	20	
Chromium	27.1	29.9	NA	NA		NA	NA	10	20	
Copper	15.7	17.5	NA	NA		NA	NA	11	20	
Lead	9.60	84.9	NA	NA		NA	NA	159	20	K
Nickel	40.1	39.9	NA	NA		NA	NA	0	20	
Zinc	28.7	47.9	NA	NA		NA	NA	50	20	K

Laboratory ID:	05-160-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	05-141-05									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	05-160-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	93.4	91.3	100	100	ND	93	91	75-125	2	20
Cadmium	46.1	45.6	50.0	50.0	ND	92	91	75-125	1	20
Chromium	120	119	100	100	27.1	93	92	75-125	1	20
Copper	58.7	56.3	50.0	50.0	15.7	86	81	75-125	4	20
Lead	343	259	250	250	9.60	133	100	75-125	28	20
Nickel	132	132	100	100	40.1	92	92	75-125	0	20
Zinc	146	125	100	100	28.7	117	97	75-125	15	20

Laboratory ID:	05-160-01									
Selenium	91.3	90.5	100	100	ND	91	91	75-125	1	20

Laboratory ID:	05-141-05									
Mercury	0.593	0.582	0.500	0.500	0.0140	116	114	80-120	2	20



Date of Report: May 21, 2021
Samples Submitted: May 17, 2021
Laboratory Reference: 2105-160
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-47-10	05-160-01	14	5-18-21
IAEX-48-15	05-160-02	23	5-18-21
IAEX-49-20	05-160-03	10	5-18-21
DUP-210517	05-160-04	23	5-18-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





OnSite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)

(Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

_____ (other)

Laboratory Number: **05-160**

Company: GeoEngineers
 Project Number: 6694-002-03 T700
 Project Name: Go East Corp Landfill Site
 Project Manager: Rob Leet
 Sampled by: Paul Robinette

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	IAEX-47-10	5/17/21	1300	S	6
2	IAEX-48-15		1310	S	6
3	IAEX-49-20		1320	S	6
4	DUP-210517		1400	S	6

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Dx Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL METALS *	% Moisture
1	IAEX-47-10	5/17/21	1300	S	6			X	X	X			X					X					X	
2	IAEX-48-15		1310	S	6			X	X	X			X					X					X	
3	IAEX-49-20		1320	S	6			X	X	X			X					X					X	
4	DUP-210517		1400	S	6			X	X	X			X					X					X	

Relinquished
 Received
 Relinquished
 Received
 Relinquished
 Received
 Relinquished
 Received/Date

Signature
 Company
 Date
 Time
 Matrix

Date
 Time
 Matrix

Comments/Special Instructions
 *Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc
 **PCBs as Aroclors
 Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 25, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-206

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 20, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 25, 2021
Samples Submitted: May 20, 2021
Laboratory Reference: 2105-206
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 20, 2021 and received by the laboratory on May 20, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 25, 2021
Samples Submitted: May 20, 2021
Laboratory Reference: 2105-206
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-50-2	05-206-01	Soil	5-20-21	5-20-21	
IAEX-51-3	05-206-02	Soil	5-20-21	5-20-21	
IAEX-52-3	05-206-03	Soil	5-20-21	5-20-21	



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-50-2					
Laboratory ID:	05-206-01					
Gasoline	ND	6.5	NWTPH-Gx	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-129				
Client ID:	IAEX-51-3					
Laboratory ID:	05-206-02					
Gasoline	ND	5.8	NWTPH-Gx	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-129				
Client ID:	IAEX-52-3					
Laboratory ID:	05-206-03					
Gasoline	ND	6.4	NWTPH-Gx	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	66-129				



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-50-2					
Laboratory ID:	05-206-01					
Diesel Range Organics	ND	29	NWTPH-Dx	5-21-21	5-21-21	X1
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-21-21	5-21-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				

Client ID:	IAEX-51-3					
Laboratory ID:	05-206-02					
Diesel Range Organics	ND	27	NWTPH-Dx	5-21-21	5-21-21	X1
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-21-21	5-21-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				

Client ID:	IAEX-52-3					
Laboratory ID:	05-206-03					
Diesel Range Organics	ND	29	NWTPH-Dx	5-21-21	5-21-21	X1
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-21-21	5-21-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-50-2					
Laboratory ID:	05-206-01					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Chloromethane	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Bromomethane	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
Chloroethane	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Acetone	ND	0.010	EPA 8260D	5-21-21	5-21-21	
Iodomethane	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Methylene Chloride	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Vinyl Acetate	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
2-Butanone	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Chloroform	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Benzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Methyl Isobutyl Ketone	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
Toluene	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-50-2					
Laboratory ID:	05-206-01					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
2-Hexanone	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
m,p-Xylene	ND	0.0021	EPA 8260D	5-21-21	5-21-21	
o-Xylene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Styrene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Bromoform	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2-Dibromo-3-chloropropane	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Hexachlorobutadiene	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
Naphthalene	ND	0.0052	EPA 8260D	5-21-21	5-21-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-51-3					
Laboratory ID:	05-206-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Chloromethane	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Bromomethane	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
Chloroethane	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Acetone	ND	0.012	EPA 8260D	5-21-21	5-21-21	
Iodomethane	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Methylene Chloride	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Vinyl Acetate	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
2-Butanone	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Chloroform	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Benzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
2-Chloroethyl Vinyl Ether	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Methyl Isobutyl Ketone	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
Toluene	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	



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 Samples Submitted: May 20, 2021
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 Project: 6694-002-03 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-51-3					
Laboratory ID:	05-206-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
2-Hexanone	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
m,p-Xylene	ND	0.0025	EPA 8260D	5-21-21	5-21-21	
o-Xylene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Styrene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Bromoform	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2-Dibromo-3-chloropropane	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Hexachlorobutadiene	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
Naphthalene	ND	0.0062	EPA 8260D	5-21-21	5-21-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>71-130</i>				



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-52-3					
Laboratory ID:	05-206-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Chloromethane	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Bromomethane	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
Chloroethane	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Acetone	0.014	0.012	EPA 8260D	5-21-21	5-21-21	
Iodomethane	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Methylene Chloride	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Vinyl Acetate	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
2-Butanone	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Chloroform	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Benzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
Toluene	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-52-3					
Laboratory ID:	05-206-03					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
2-Hexanone	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
m,p-Xylene	ND	0.0024	EPA 8260D	5-21-21	5-21-21	
o-Xylene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Styrene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Bromoform	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
1,2-Dibromo-3-chloropropane	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
Naphthalene	ND	0.0060	EPA 8260D	5-21-21	5-21-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-130</i>				



Date of Report: May 25, 2021
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 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-50-2					
Laboratory ID:	05-206-01					
n-Nitrosodimethylamine	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Pyridine	ND	0.38	EPA 8270E	5-24-21	5-24-21	
Phenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Aniline	ND	0.19	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroethyl)ether	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Chlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,3-Dichlorobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,4-Dichlorobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Benzyl alcohol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,2-Dichlorobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Methylphenol (o-Cresol)	ND	0.038	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroisopropyl)ether	ND	0.038	EPA 8270E	5-24-21	5-24-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.038	EPA 8270E	5-24-21	5-24-21	
n-Nitroso-di-n-propylamine	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Hexachloroethane	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Nitrobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Isophorone	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Nitrophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,4-Dimethylphenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroethoxy)methane	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,4-Dichlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,2,4-Trichlorobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Naphthalene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
4-Chloroaniline	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Hexachlorobutadiene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
4-Chloro-3-methylphenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
1-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Hexachlorocyclopentadiene	ND	0.073	EPA 8270E	5-24-21	5-24-21	
2,4,6-Trichlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,3-Dichloroaniline	ND	0.048	EPA 8270E	5-24-21	5-24-21	
2,4,5-Trichlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Chloronaphthalene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Nitroaniline	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,4-Dinitrobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Dimethylphthalate	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,3-Dinitrobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,6-Dinitrotoluene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,2-Dinitrobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Acenaphthylene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
3-Nitroaniline	ND	0.038	EPA 8270E	5-24-21	5-24-21	



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-50-2					
Laboratory ID:	05-206-01					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Acenaphthene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
4-Nitrophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,4-Dinitrotoluene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Dibenzofuran	ND	0.048	EPA 8270E	5-24-21	5-24-21	
2,3,5,6-Tetrachlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,3,4,6-Tetrachlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Diethylphthalate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
4-Chlorophenyl-phenylether	ND	0.038	EPA 8270E	5-24-21	5-24-21	
4-Nitroaniline	ND	0.049	EPA 8270E	5-24-21	5-24-21	
Fluorene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
4,6-Dinitro-2-methylphenol	ND	0.27	EPA 8270E	5-24-21	5-24-21	
n-Nitrosodiphenylamine	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,2-Diphenylhydrazine	ND	0.038	EPA 8270E	5-24-21	5-24-21	
4-Bromophenyl-phenylether	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Hexachlorobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Pentachlorophenol	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Phenanthrene	0.0087	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Anthracene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Carbazole	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Fluoranthene	0.010	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Pyrene	0.0096	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
bis(2-Ethylhexyl)adipate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Benzo[a]anthracene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Chrysene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Benzo[b]fluoranthene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo(j,k)fluoranthene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo[a]pyrene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Indeno[1,2,3-cd]pyrene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Dibenz[a,h]anthracene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo[g,h,i]perylene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>68</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>78</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>73</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>68</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>75</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>70</i>	<i>41 - 115</i>				



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-51-3					
Laboratory ID:	05-206-02					
n-Nitrosodimethylamine	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Pyridine	ND	0.36	EPA 8270E	5-24-21	5-24-21	
Phenol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Aniline	ND	0.18	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroethyl)ether	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2-Chlorophenol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
1,3-Dichlorobenzene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
1,4-Dichlorobenzene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Benzyl alcohol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
1,2-Dichlorobenzene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2-Methylphenol (o-Cresol)	ND	0.036	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroisopropyl)ether	ND	0.036	EPA 8270E	5-24-21	5-24-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.036	EPA 8270E	5-24-21	5-24-21	
n-Nitroso-di-n-propylamine	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Hexachloroethane	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Nitrobenzene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Isophorone	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2-Nitrophenol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2,4-Dimethylphenol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroethoxy)methane	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2,4-Dichlorophenol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
1,2,4-Trichlorobenzene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Naphthalene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
4-Chloroaniline	ND	0.18	EPA 8270E	5-24-21	5-24-21	
Hexachlorobutadiene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
4-Chloro-3-methylphenol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
1-Methylnaphthalene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
Hexachlorocyclopentadiene	ND	0.069	EPA 8270E	5-24-21	5-24-21	
2,4,6-Trichlorophenol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2,3-Dichloroaniline	ND	0.046	EPA 8270E	5-24-21	5-24-21	
2,4,5-Trichlorophenol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2-Chloronaphthalene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2-Nitroaniline	ND	0.036	EPA 8270E	5-24-21	5-24-21	
1,4-Dinitrobenzene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Dimethylphthalate	ND	0.036	EPA 8270E	5-24-21	5-24-21	
1,3-Dinitrobenzene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2,6-Dinitrotoluene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
1,2-Dinitrobenzene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Acenaphthylene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
3-Nitroaniline	ND	0.036	EPA 8270E	5-24-21	5-24-21	



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-51-3					
Laboratory ID:	05-206-02					
2,4-Dinitrophenol	ND	0.18	EPA 8270E	5-24-21	5-24-21	
Acenaphthene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
4-Nitrophenol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2,4-Dinitrotoluene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Dibenzofuran	ND	0.045	EPA 8270E	5-24-21	5-24-21	
2,3,5,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
2,3,4,6-Tetrachlorophenol	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Diethylphthalate	ND	0.18	EPA 8270E	5-24-21	5-24-21	
4-Chlorophenyl-phenylether	ND	0.036	EPA 8270E	5-24-21	5-24-21	
4-Nitroaniline	ND	0.046	EPA 8270E	5-24-21	5-24-21	
Fluorene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
4,6-Dinitro-2-methylphenol	ND	0.26	EPA 8270E	5-24-21	5-24-21	
n-Nitrosodiphenylamine	ND	0.036	EPA 8270E	5-24-21	5-24-21	
1,2-Diphenylhydrazine	ND	0.036	EPA 8270E	5-24-21	5-24-21	
4-Bromophenyl-phenylether	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Hexachlorobenzene	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Pentachlorophenol	ND	0.18	EPA 8270E	5-24-21	5-24-21	
Phenanthrene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
Anthracene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
Carbazole	ND	0.036	EPA 8270E	5-24-21	5-24-21	
Di-n-butylphthalate	ND	0.18	EPA 8270E	5-24-21	5-24-21	
Fluoranthene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
Pyrene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
Butylbenzylphthalate	ND	0.18	EPA 8270E	5-24-21	5-24-21	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270E	5-24-21	5-24-21	
3,3'-Dichlorobenzidine	ND	0.18	EPA 8270E	5-24-21	5-24-21	
Benzo[a]anthracene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
Chrysene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
bis(2-Ethylhexyl)phthalate	ND	0.18	EPA 8270E	5-24-21	5-24-21	
Di-n-octylphthalate	ND	0.18	EPA 8270E	5-24-21	5-24-21	
Benzo[b]fluoranthene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo(j,k)fluoranthene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo[a]pyrene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
Indeno[1,2,3-cd]pyrene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
Dibenz[a,h]anthracene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo[g,h,i]perylene	ND	0.0072	EPA 8270E/SIM	5-24-21	5-24-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>66</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>72</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>70</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>62</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>71</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>65</i>	<i>41 - 115</i>				



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-52-3					
Laboratory ID:	05-206-03					
n-Nitrosodimethylamine	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Pyridine	ND	0.38	EPA 8270E	5-24-21	5-24-21	
Phenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Aniline	ND	0.19	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroethyl)ether	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Chlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,3-Dichlorobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,4-Dichlorobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Benzyl alcohol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,2-Dichlorobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Methylphenol (o-Cresol)	ND	0.038	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroisopropyl)ether	ND	0.038	EPA 8270E	5-24-21	5-24-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.038	EPA 8270E	5-24-21	5-24-21	
n-Nitroso-di-n-propylamine	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Hexachloroethane	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Nitrobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Isophorone	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Nitrophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,4-Dimethylphenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroethoxy)methane	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,4-Dichlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,2,4-Trichlorobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Naphthalene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
4-Chloroaniline	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Hexachlorobutadiene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
4-Chloro-3-methylphenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
1-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Hexachlorocyclopentadiene	ND	0.073	EPA 8270E	5-24-21	5-24-21	
2,4,6-Trichlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,3-Dichloroaniline	ND	0.048	EPA 8270E	5-24-21	5-24-21	
2,4,5-Trichlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Chloronaphthalene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2-Nitroaniline	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,4-Dinitrobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Dimethylphthalate	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,3-Dinitrobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,6-Dinitrotoluene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,2-Dinitrobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Acenaphthylene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
3-Nitroaniline	ND	0.038	EPA 8270E	5-24-21	5-24-21	



Date of Report: May 25, 2021
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 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-52-3					
Laboratory ID:	05-206-03					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Acenaphthene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
4-Nitrophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,4-Dinitrotoluene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Dibenzofuran	ND	0.048	EPA 8270E	5-24-21	5-24-21	
2,3,5,6-Tetrachlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
2,3,4,6-Tetrachlorophenol	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Diethylphthalate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
4-Chlorophenyl-phenylether	ND	0.038	EPA 8270E	5-24-21	5-24-21	
4-Nitroaniline	ND	0.049	EPA 8270E	5-24-21	5-24-21	
Fluorene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
4,6-Dinitro-2-methylphenol	ND	0.27	EPA 8270E	5-24-21	5-24-21	
n-Nitrosodiphenylamine	ND	0.038	EPA 8270E	5-24-21	5-24-21	
1,2-Diphenylhydrazine	ND	0.038	EPA 8270E	5-24-21	5-24-21	
4-Bromophenyl-phenylether	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Hexachlorobenzene	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Pentachlorophenol	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Phenanthrene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Anthracene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Carbazole	ND	0.038	EPA 8270E	5-24-21	5-24-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Fluoranthene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Pyrene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Benzo[a]anthracene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Chrysene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	5-24-21	5-24-21	
Benzo[b]fluoranthene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo(j,k)fluoranthene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo[a]pyrene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Indeno[1,2,3-cd]pyrene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Dibenz[a,h]anthracene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo[g,h,i]perylene	ND	0.0077	EPA 8270E/SIM	5-24-21	5-24-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>78</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>84</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>83</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>69</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>76</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>68</i>	<i>41 - 115</i>				



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-50-2					
Laboratory ID:	05-206-01					
Aroclor 1016	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1221	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1232	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1242	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1248	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1254	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1260	ND	0.057	EPA 8082A	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	88	54-135				
Client ID:	IAEX-51-3					
Laboratory ID:	05-206-02					
Aroclor 1016	ND	0.054	EPA 8082A	5-21-21	5-25-21	
Aroclor 1221	ND	0.054	EPA 8082A	5-21-21	5-25-21	
Aroclor 1232	ND	0.054	EPA 8082A	5-21-21	5-25-21	
Aroclor 1242	ND	0.054	EPA 8082A	5-21-21	5-25-21	
Aroclor 1248	ND	0.054	EPA 8082A	5-21-21	5-25-21	
Aroclor 1254	ND	0.054	EPA 8082A	5-21-21	5-25-21	
Aroclor 1260	ND	0.054	EPA 8082A	5-21-21	5-25-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	89	54-135				
Client ID:	IAEX-52-3					
Laboratory ID:	05-206-03					
Aroclor 1016	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1221	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1232	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1242	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1248	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1254	ND	0.057	EPA 8082A	5-21-21	5-21-21	
Aroclor 1260	ND	0.057	EPA 8082A	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	85	54-135				



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-50-2					
Laboratory ID:	05-206-01					
alpha-BHC	ND	5.7	EPA 8081B	5-21-21	5-21-21	
gamma-BHC (Lindane)	ND	5.7	EPA 8081B	5-21-21	5-21-21	
beta-BHC	ND	5.7	EPA 8081B	5-21-21	5-21-21	
delta-BHC	ND	5.7	EPA 8081B	5-21-21	5-21-21	
Heptachlor	ND	5.7	EPA 8081B	5-21-21	5-21-21	
Aldrin	ND	5.7	EPA 8081B	5-21-21	5-21-21	
Heptachlor Epoxide	ND	5.7	EPA 8081B	5-21-21	5-21-21	
gamma-Chlordane	ND	5.7	EPA 8081B	5-21-21	5-21-21	
alpha-Chlordane	ND	11	EPA 8081B	5-21-21	5-21-21	
4,4'-DDE	ND	11	EPA 8081B	5-21-21	5-21-21	
Endosulfan I	ND	5.7	EPA 8081B	5-21-21	5-21-21	
Dieldrin	ND	11	EPA 8081B	5-21-21	5-21-21	
Endrin	ND	5.7	EPA 8081B	5-21-21	5-21-21	
4,4'-DDD	ND	11	EPA 8081B	5-21-21	5-21-21	
Endosulfan II	ND	11	EPA 8081B	5-21-21	5-21-21	
4,4'-DDT	ND	11	EPA 8081B	5-21-21	5-21-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-21-21	5-21-21	
Methoxychlor	ND	11	EPA 8081B	5-21-21	5-21-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-21-21	5-21-21	
Endrin Ketone	ND	11	EPA 8081B	5-21-21	5-21-21	
Toxaphene	ND	57	EPA 8081B	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	69	30-110				
DCB	87	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-51-3					
Laboratory ID:	05-206-02					
alpha-BHC	ND	5.4	EPA 8081B	5-21-21	5-21-21	
gamma-BHC (Lindane)	ND	5.4	EPA 8081B	5-21-21	5-21-21	
beta-BHC	ND	5.4	EPA 8081B	5-21-21	5-21-21	
delta-BHC	ND	5.4	EPA 8081B	5-21-21	5-21-21	
Heptachlor	ND	5.4	EPA 8081B	5-21-21	5-21-21	
Aldrin	ND	5.4	EPA 8081B	5-21-21	5-21-21	
Heptachlor Epoxide	ND	5.4	EPA 8081B	5-21-21	5-21-21	
gamma-Chlordane	ND	5.4	EPA 8081B	5-21-21	5-21-21	
alpha-Chlordane	ND	11	EPA 8081B	5-21-21	5-21-21	
4,4'-DDE	ND	11	EPA 8081B	5-21-21	5-21-21	
Endosulfan I	ND	5.4	EPA 8081B	5-21-21	5-21-21	
Dieldrin	ND	11	EPA 8081B	5-21-21	5-21-21	
Endrin	ND	5.4	EPA 8081B	5-21-21	5-21-21	
4,4'-DDD	ND	11	EPA 8081B	5-21-21	5-21-21	
Endosulfan II	ND	11	EPA 8081B	5-21-21	5-21-21	
4,4'-DDT	ND	11	EPA 8081B	5-21-21	5-21-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-21-21	5-21-21	
Methoxychlor	ND	11	EPA 8081B	5-21-21	5-21-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-21-21	5-21-21	
Endrin Ketone	ND	11	EPA 8081B	5-21-21	5-21-21	
Toxaphene	ND	54	EPA 8081B	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	66	30-110				
DCB	83	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-52-3					
Laboratory ID:	05-206-03					
alpha-BHC	ND	5.7	EPA 8081B	5-21-21	5-21-21	
gamma-BHC (Lindane)	ND	5.7	EPA 8081B	5-21-21	5-21-21	
beta-BHC	ND	5.7	EPA 8081B	5-21-21	5-21-21	
delta-BHC	ND	5.7	EPA 8081B	5-21-21	5-21-21	
Heptachlor	ND	5.7	EPA 8081B	5-21-21	5-21-21	
Aldrin	ND	5.7	EPA 8081B	5-21-21	5-21-21	
Heptachlor Epoxide	ND	5.7	EPA 8081B	5-21-21	5-21-21	
gamma-Chlordane	ND	5.7	EPA 8081B	5-21-21	5-21-21	
alpha-Chlordane	ND	11	EPA 8081B	5-21-21	5-21-21	
4,4'-DDE	ND	11	EPA 8081B	5-21-21	5-21-21	
Endosulfan I	ND	5.7	EPA 8081B	5-21-21	5-21-21	
Dieldrin	ND	11	EPA 8081B	5-21-21	5-21-21	
Endrin	ND	5.7	EPA 8081B	5-21-21	5-21-21	
4,4'-DDD	ND	11	EPA 8081B	5-21-21	5-21-21	
Endosulfan II	ND	11	EPA 8081B	5-21-21	5-21-21	
4,4'-DDT	ND	11	EPA 8081B	5-21-21	5-21-21	
Endrin Aldehyde	ND	11	EPA 8081B	5-21-21	5-21-21	
Methoxychlor	ND	11	EPA 8081B	5-21-21	5-21-21	
Endosulfan Sulfate	ND	11	EPA 8081B	5-21-21	5-21-21	
Endrin Ketone	ND	11	EPA 8081B	5-21-21	5-21-21	
Toxaphene	ND	57	EPA 8081B	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	73	30-110				
DCB	96	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-50-2					
Laboratory ID:	05-206-01					
Dalapon	ND	210	EPA 8151A	5-21-21	5-21-21	
Dicamba	ND	11	EPA 8151A	5-21-21	5-21-21	
MCPD	ND	1100	EPA 8151A	5-21-21	5-21-21	
MCPA	ND	2700	EPA 8151A	5-21-21	5-21-21	
Dichlorprop	ND	81	EPA 8151A	5-21-21	5-21-21	
2,4-D	ND	11	EPA 8151A	5-21-21	5-21-21	
Pentachlorophenol	ND	5.5	EPA 8151A	5-21-21	5-21-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-21-21	5-21-21	
2,4,5-T	ND	11	EPA 8151A	5-21-21	5-21-21	
2,4-DB	ND	11	EPA 8151A	5-21-21	5-21-21	
Dinoseb	ND	11	EPA 8151A	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	64	27-134				
Client ID:	IAEX-51-3					
Laboratory ID:	05-206-02					
Dalapon	ND	200	EPA 8151A	5-21-21	5-21-21	
Dicamba	ND	10	EPA 8151A	5-21-21	5-21-21	
MCPD	ND	1000	EPA 8151A	5-21-21	5-21-21	
MCPA	ND	2500	EPA 8151A	5-21-21	5-21-21	
Dichlorprop	ND	77	EPA 8151A	5-21-21	5-21-21	
2,4-D	ND	10	EPA 8151A	5-21-21	5-21-21	
Pentachlorophenol	ND	5.1	EPA 8151A	5-21-21	5-21-21	
2,4,5-TP (Silvex)	ND	10	EPA 8151A	5-21-21	5-21-21	
2,4,5-T	ND	10	EPA 8151A	5-21-21	5-21-21	
2,4-DB	ND	10	EPA 8151A	5-21-21	5-21-21	
Dinoseb	ND	10	EPA 8151A	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	65	27-134				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-52-3					
Laboratory ID:	05-206-03					
Dalapon	ND	210	EPA 8151A	5-21-21	5-21-21	
Dicamba	ND	11	EPA 8151A	5-21-21	5-21-21	
MCPPP	ND	1100	EPA 8151A	5-21-21	5-21-21	
MCPA	ND	2700	EPA 8151A	5-21-21	5-21-21	
Dichlorprop	ND	81	EPA 8151A	5-21-21	5-21-21	
2,4-D	ND	11	EPA 8151A	5-21-21	5-21-21	
Pentachlorophenol	ND	5.5	EPA 8151A	5-21-21	5-21-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	5-21-21	5-21-21	
2,4,5-T	ND	11	EPA 8151A	5-21-21	5-21-21	
2,4-DB	ND	11	EPA 8151A	5-21-21	5-21-21	
Dinoseb	ND	11	EPA 8151A	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	69	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-50-2					
Laboratory ID:	05-206-01					
Arsenic	ND	11	EPA 6010D	5-21-21	5-21-21	
Cadmium	ND	0.57	EPA 6010D	5-21-21	5-21-21	
Chromium	30	0.57	EPA 6010D	5-21-21	5-21-21	
Copper	11	1.1	EPA 6010D	5-21-21	5-21-21	
Lead	8.2	5.7	EPA 6010D	5-21-21	5-21-21	
Mercury	0.083	0.023	EPA 7471B	5-21-21	5-21-21	
Nickel	44	2.9	EPA 6010D	5-21-21	5-21-21	
Selenium	ND	0.57	EPA 6020B	5-24-21	5-24-21	
Zinc	36	2.9	EPA 6010D	5-21-21	5-21-21	

Client ID:	IAEX-51-3					
Laboratory ID:	05-206-02					
Arsenic	ND	11	EPA 6010D	5-21-21	5-21-21	
Cadmium	ND	0.54	EPA 6010D	5-21-21	5-21-21	
Chromium	27	0.54	EPA 6010D	5-21-21	5-21-21	
Copper	10	1.1	EPA 6010D	5-21-21	5-21-21	
Lead	ND	5.4	EPA 6010D	5-21-21	5-21-21	
Mercury	ND	0.022	EPA 7471B	5-21-21	5-21-21	
Nickel	52	2.7	EPA 6010D	5-21-21	5-21-21	
Selenium	ND	0.54	EPA 6020B	5-24-21	5-24-21	
Zinc	44	2.7	EPA 6010D	5-21-21	5-21-21	

Client ID:	IAEX-52-3					
Laboratory ID:	05-206-03					
Arsenic	ND	11	EPA 6010D	5-21-21	5-21-21	
Cadmium	ND	0.57	EPA 6010D	5-21-21	5-21-21	
Chromium	24	0.57	EPA 6010D	5-21-21	5-21-21	
Copper	8.7	1.1	EPA 6010D	5-21-21	5-21-21	
Lead	ND	5.7	EPA 6010D	5-21-21	5-21-21	
Mercury	ND	0.023	EPA 7471B	5-21-21	5-21-21	
Nickel	48	2.9	EPA 6010D	5-21-21	5-21-21	
Selenium	ND	0.57	EPA 6020B	5-24-21	5-24-21	
Zinc	25	2.9	EPA 6010D	5-21-21	5-21-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0521S1					
Gasoline	ND	5.0	NWTPH-Gx	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	96	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-206-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
Fluorobenzene				95	97	66-129		



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0521S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-21-21	5-21-21	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Laboratory ID:	MB0521S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-21-21	5-21-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-21-21	5-21-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0521S1							
	ORIG	DUP						
Diesel Fuel #2	77.0	67.0	NA	NA	NA	NA	14	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				93	90	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0521S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Chloromethane	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Bromomethane	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
Chloroethane	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Acetone	ND	0.010	EPA 8260D	5-21-21	5-21-21	
Iodomethane	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
2-Butanone	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Chloroform	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Benzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
Toluene	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0521S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-21-21	5-21-21	
o-Xylene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Styrene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Bromoform	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
Naphthalene	ND	0.0050	EPA 8260D	5-21-21	5-21-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0521S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0515	0.0500	0.0500	0.0500	103	100	71-131	3	19	
Benzene	0.0513	0.0508	0.0500	0.0500	103	102	73-124	1	18	
Trichloroethene	0.0532	0.0524	0.0500	0.0500	106	105	79-130	2	18	
Toluene	0.0516	0.0504	0.0500	0.0500	103	101	76-123	2	18	
Chlorobenzene	0.0519	0.0514	0.0500	0.0500	104	103	78-122	1	18	
<i>Surrogate:</i>										
Dibromofluoromethane					103	95	74-131			
Toluene-d8					102	100	78-128			
4-Bromofluorobenzene					101	100	71-130			



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0524S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Pyridine	ND	0.33	EPA 8270E	5-24-21	5-24-21	
Phenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Aniline	ND	0.17	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-24-21	5-24-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-24-21	5-24-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Isophorone	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Hexachlorocyclopentadiene	ND	0.064	EPA 8270E	5-24-21	5-24-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,3-Dichloroaniline	ND	0.042	EPA 8270E	5-24-21	5-24-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-24-21	5-24-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0524S1					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
4-Nitrophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Dibenzofuran	ND	0.042	EPA 8270E	5-24-21	5-24-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-24-21	5-24-21	
4-Nitroaniline	ND	0.043	EPA 8270E	5-24-21	5-24-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
4,6-Dinitro-2-methylphenol	ND	0.24	EPA 8270E	5-24-21	5-24-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-24-21	5-24-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Carbazole	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	65	26 - 109				
Phenol-d6	75	33 - 113				
Nitrobenzene-d5	69	31 - 110				
2-Fluorobiphenyl	61	42 - 107				
2,4,6-Tribromophenol	73	42 - 123				
Terphenyl-d14	71	41 - 115				



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 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0524S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	0.937	0.913	1.33	1.33	70	69	47 - 106	3	30	
2-Chlorophenol	0.984	0.977	1.33	1.33	74	73	51 - 105	1	31	
1,4-Dichlorobenzene	0.488	0.476	0.667	0.667	73	71	49 - 101	2	33	
n-Nitroso-di-n-propylamine	0.564	0.545	0.667	0.667	85	82	50 - 105	3	26	
1,2,4-Trichlorobenzene	0.501	0.502	0.667	0.667	75	75	50 - 107	0	31	
4-Chloro-3-methylphenol	1.04	0.993	1.33	1.33	78	75	58 - 114	5	22	
Acenaphthene	0.493	0.469	0.667	0.667	74	70	52 - 102	5	22	
4-Nitrophenol	1.15	1.07	1.33	1.33	86	80	51 - 126	7	20	
2,4-Dinitrotoluene	0.421	0.393	0.667	0.667	63	59	54 - 108	7	19	
Pentachlorophenol	1.21	1.09	1.33	1.33	91	82	20 - 148	10	30	
Pyrene	0.520	0.463	0.667	0.667	78	69	55 - 112	12	19	
<i>Surrogate:</i>										
2-Fluorophenol					79	75	26 - 109			
Phenol-d6					83	80	33 - 113			
Nitrobenzene-d5					80	79	31 - 110			
2-Fluorobiphenyl					73	69	42 - 107			
2,4,6-Tribromophenol					81	75	42 - 123			
Terphenyl-d14					73	66	41 - 115			



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 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0521S2					
Aroclor 1016	ND	0.050	EPA 8082A	5-21-21	5-21-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-21-21	5-21-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-21-21	5-21-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-21-21	5-21-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-21-21	5-21-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-21-21	5-21-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-21-21	5-21-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	87		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-206-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.379	0.387	0.500	0.500	ND	76	77	62-129	2	15	
Surrogate:											
DCB						78	79	54-135			



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 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0521S2					
alpha-BHC	ND	5.0	EPA 8081B	5-21-21	5-21-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-21-21	5-21-21	
beta-BHC	ND	5.0	EPA 8081B	5-21-21	5-21-21	
delta-BHC	ND	5.0	EPA 8081B	5-21-21	5-21-21	
Heptachlor	ND	5.0	EPA 8081B	5-21-21	5-21-21	
Aldrin	ND	5.0	EPA 8081B	5-21-21	5-21-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-21-21	5-21-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-21-21	5-21-21	
alpha-Chlordane	ND	10	EPA 8081B	5-21-21	5-21-21	
4,4'-DDE	ND	10	EPA 8081B	5-21-21	5-21-21	
Endosulfan I	ND	5.0	EPA 8081B	5-21-21	5-21-21	
Dieldrin	ND	10	EPA 8081B	5-21-21	5-21-21	
Endrin	ND	5.0	EPA 8081B	5-21-21	5-21-21	
4,4'-DDD	ND	10	EPA 8081B	5-21-21	5-21-21	
Endosulfan II	ND	10	EPA 8081B	5-21-21	5-21-21	
4,4'-DDT	ND	10	EPA 8081B	5-21-21	5-21-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-21-21	5-21-21	
Methoxychlor	ND	10	EPA 8081B	5-21-21	5-21-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-21-21	5-21-21	
Endrin Ketone	ND	10	EPA 8081B	5-21-21	5-21-21	
Toxaphene	ND	50	EPA 8081B	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>74</i>	<i>30-110</i>				
<i>DCB</i>	<i>99</i>	<i>40-117</i>				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	05-206-02										
alpha-BHC	75.4	75.8	100	100	ND	75	76	36-123	1	21	
gamma-BHC (Lindane)	77.4	78.8	100	100	ND	77	79	38-121	2	21	
beta-BHC	72.2	74.5	100	100	ND	72	74	31-125	3	21	
delta-BHC	79.1	80.7	100	100	ND	79	81	37-118	2	23	
Heptachlor	93.6	95.3	100	100	ND	94	95	37-123	2	24	
Aldrin	76.8	77.7	100	100	ND	77	78	45-118	1	22	
Heptachlor Epoxide	95.4	98.3	100	100	ND	95	98	46-114	3	22	
gamma-Chlordane	77.5	81.2	100	100	ND	78	81	41-120	5	23	
alpha-Chlordane	81.7	73.5	100	100	ND	82	73	43-118	11	23	
4,4'-DDE	81.2	83.2	100	100	ND	81	83	34-139	2	22	
Endosulfan I	77.5	79.7	100	100	ND	78	80	43-124	3	25	
Dieldrin	97.6	100	100	100	ND	98	100	40-128	2	23	
Endrin	99.8	102	100	100	ND	100	102	44-120	2	28	
4,4'-DDD	81.4	83.8	100	100	ND	81	84	42-131	3	21	
Endosulfan II	99.1	101	100	100	ND	99	101	47-112	2	22	
4,4'-DDT	81.9	84.3	100	100	ND	82	84	29-141	3	32	
Endrin Aldehyde	72.7	72.1	100	100	ND	73	72	41-114	1	22	
Methoxychlor	98.5	100	100	100	ND	98	100	31-139	2	23	
Endosulfan Sulfate	77.0	78.2	100	100	ND	77	78	48-112	2	21	
Endrin Ketone	75.6	77.9	100	100	ND	76	78	46-117	3	22	
Surrogate:											
TCMX						63	64	30-110			
DCB						89	89	40-117			



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 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0521S1					
Dalapon	ND	180	EPA 8151A	5-21-21	5-21-21	
Dicamba	ND	9.4	EPA 8151A	5-21-21	5-21-21	
MCPPE	ND	940	EPA 8151A	5-21-21	5-21-21	
MCPA	ND	2300	EPA 8151A	5-21-21	5-21-21	
Dichlorprop	ND	71	EPA 8151A	5-21-21	5-21-21	
2,4-D	ND	9.4	EPA 8151A	5-21-21	5-21-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-21-21	5-21-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-21-21	5-21-21	
2,4,5-T	ND	9.5	EPA 8151A	5-21-21	5-21-21	
2,4-DB	ND	9.5	EPA 8151A	5-21-21	5-21-21	
Dinoseb	ND	9.5	EPA 8151A	5-21-21	5-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	99	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0521S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	432	400	1250	1250	N/A	35 32	10-68	8 38
Dicamba	216	223	250	250	N/A	86 89	52-101	3 18
MCPPE	17700	16700	25000	25000	N/A	71 67	63-105	6 21
MCPA	16800	16300	25000	25000	N/A	67 65	45-107	3 21
Dichlorprop	204	208	250	250	N/A	81 83	54-106	2 18
2,4-D	185	194	250	250	N/A	74 78	33-95	5 25
Pentachlorophenol	23.0	23.9	25.0	25.0	N/A	92 96	48-125	4 20
2,4,5-TP (Silvex)	217	214	250	250	N/A	87 85	62-115	1 17
2,4,5-T	183	179	250	250	N/A	73 72	48-108	2 21
2,4-DB	199	209	250	250	N/A	80 83	45-114	5 23
Dinoseb	194	207	250	250	N/A	77 83	51-124	6 27
<i>Surrogate:</i>								
DCAA						107 113	27-134	



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 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0521SM1					
Arsenic	ND	10	EPA 6010D	5-21-21	5-21-21	
Cadmium	ND	0.50	EPA 6010D	5-21-21	5-21-21	
Chromium	ND	0.50	EPA 6010D	5-21-21	5-21-21	
Copper	ND	1.0	EPA 6010D	5-21-21	5-21-21	
Lead	ND	5.0	EPA 6010D	5-21-21	5-21-21	
Nickel	ND	2.5	EPA 6010D	5-21-21	5-21-21	
Zinc	ND	2.5	EPA 6010D	5-21-21	5-21-21	
Laboratory ID:	MB0524SM1					
Selenium	ND	0.50	EPA 6020B	5-24-21	5-24-21	
Laboratory ID:	MB0521S1					
Mercury	ND	0.020	EPA 7471B	5-21-21	5-21-21	



Date of Report: May 25, 2021
 Samples Submitted: May 20, 2021
 Laboratory Reference: 2105-206
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD	Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	
DUPLICATE									
Laboratory ID:	05-206-01								
	ORIG	DUP							
Arsenic	ND	ND	NA	NA		NA	NA	NA	20
Cadmium	ND	ND	NA	NA		NA	NA	NA	20
Chromium	25.8	24.1	NA	NA		NA	NA	7	20
Copper	10.0	10.3	NA	NA		NA	NA	3	20
Lead	7.15	ND	NA	NA		NA	NA	NA	20
Nickel	38.4	43.6	NA	NA		NA	NA	13	20
Zinc	31.4	29.2	NA	NA		NA	NA	7	20

Laboratory ID:	05-206-01								
Selenium	ND	ND	NA	NA		NA	NA	NA	20

Laboratory ID:	05-172-01								
Mercury	ND	ND	NA	NA		NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	05-206-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	87.4	94.8	100	100	ND	87	95	75-125	8	20
Cadmium	40.7	44.1	50.0	50.0	ND	81	88	75-125	8	20
Chromium	116	115	100	100	25.8	90	89	75-125	1	20
Copper	56.1	60.5	50.0	50.0	10.0	92	101	75-125	8	20
Lead	215	234	250	250	7.15	83	91	75-125	8	20
Nickel	132	139	100	100	38.4	94	101	75-125	5	20
Zinc	121	127	100	100	31.4	89	96	75-125	5	20

Laboratory ID:	05-206-01									
Selenium	89.0	89.8	100	100	ND	89	90	75-125	1	20

Laboratory ID:	05-172-01									
Mercury	0.558	0.549	0.500	0.500	0.00600	110	109	80-120	2	20



Date of Report: May 25, 2021
Samples Submitted: May 20, 2021
Laboratory Reference: 2105-206
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-50-2	05-206-01	13	5-21-21
IAEX-51-3	05-206-02	8	5-21-21
IAEX-52-3	05-206-03	13	5-21-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 35th Street • Redmond, WA 98052
 Phone: (425) 883-9881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(In working days)
(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: **05-206**

Company: GeoEngineers
 Project Number: 6694-002-03 T700
 Project Name: Go East Corp Landfill Site
 Project Manager: Rob Leet
 Sampled by: Paul Robinette

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Analytical Parameters													% Moisture						
						NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (X Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A		Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A		
1	IAEX-50-2	5/26/21	9:55	S	6			X	X	X	X														X
2	IAEX-51-3	↓	10:10	↓	6			X	X	X	X														X
3	IAEX-52-3	↓	12:00	↓	6			X	X	X	X														X

Signature: [Handwritten Signature]

Company: GEI
 Specialty Alpha
 Spectral Alpha
 ORE

Date: 5/26/21
 Time: 14:20

Comments/Special Instructions: *Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc. **PCBs as Aroclors.

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 24, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-213

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 21, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 24, 2021
Samples Submitted: May 21, 2021
Laboratory Reference: 2105-213
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 21, 2021 and received by the laboratory on May 21, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 24, 2021
Samples Submitted: May 21, 2021
Laboratory Reference: 2105-213
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-53-17	05-213-01	Soil	5-21-21	5-21-21	



Date of Report: May 24, 2021
Samples Submitted: May 21, 2021
Laboratory Reference: 2105-213
Project: 6694-002-03 T700

TOTAL MERCURY
EPA 7471B

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-53-17					
Laboratory ID:	05-213-01					
Mercury	ND	0.023	EPA 7471B	5-24-21	5-24-21	



Date of Report: May 24, 2021
 Samples Submitted: May 21, 2021
 Laboratory Reference: 2105-213
 Project: 6694-002-03 T700

**TOTAL MERCURY
 EPA 7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0524S2					
Mercury	ND	0.25	EPA 7471B	5-24-21	5-24-21	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-208-27							
	ORIG	DUP						
Mercury	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	05-208-27									
	MS	MSD	MS	MSD		MS	MSD			
Mercury	0.511	0.526	0.500	0.500	ND	102	105	80-120	3	20



Date of Report: May 24, 2021
Samples Submitted: May 21, 2021
Laboratory Reference: 2105-213
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-53-17	05-213-01	12	5-21-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
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 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





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Chain of Custody

Turnaround Request
 (in working days)

(Check One)

- Same Day
- 1 Day
- 2 Days
- 3 Days
- Standard (7 Days)

_____ (other)

Laboratory Number: **05-213**

Company: **GeoEngineers**
 Project Number: **6694-002-03 T700**
 Project Name: **Go East Corp Landfill Site**
 Project Manager: **Rob Leet**
 Sampled by: **Paul Robinette**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	INEX-53-17	5/21/21	1240	S	6

NWTPH-HCID
NWTPH-Gx/BTEX
NWTPH-Gx
NWTPH-Dx (X Acid / SG Clean-up)
Volatiles 8260C
Halogenated Volatiles 8260C
EDB EPA 8011 (Waters Only)
Semivolatiles 8270D/SIM (with low-level PAHs)
PAHs 8270D/SIM (low-level)
PCBs 8082A
Organochlorine Pesticides 8081B
Organophosphorus Pesticides 8270D/SIM
Chlorinated Acid Herbicides 8151A
Total RCRA Metals
Total MTCA Metals
TCLP Metals
HEM (oil and grease) 1664A
X TOTAL METALS *
TOTAL METALS ①
X % Moisture

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	GEI	5/21/21	1:50	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc **PCB's as Aroclors ① WILKINSON D-1023
<i>[Signature]</i>	Speedy Alpha	5/21/21	1:50	
<i>[Signature]</i>	Speedy Alpha	5/21/21	2:50	
<i>[Signature]</i>	Speedy Alpha	5/21/21	1450	

Received/Date: _____

Received/Date: _____

Received/Date: _____

Received/Date: _____

Received/Date: _____

Received/Date: _____

Reviewed/Date: _____

Reviewed/Date: _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 28, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-222

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 24, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 28, 2021
Samples Submitted: May 24, 2021
Laboratory Reference: 2105-222
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 24, 2021 and received by the laboratory on May 24, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Chlorinated Acid Herbicides EPA 8151A Analysis

The RPD for Dalapon was above the quality control limit between the spike blank and spike blank duplicate. All other quality control values were within control limits and no further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: May 28, 2021
Samples Submitted: May 24, 2021
Laboratory Reference: 2105-222
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-54-4	05-222-01	Soil	5-24-21	5-24-21	
IAEX-55-3	05-222-02	Soil	5-24-21	5-24-21	



Date of Report: May 28, 2021
 Samples Submitted: May 24, 2021
 Laboratory Reference: 2105-222
 Project: 6694-002-03 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-54-4					
Laboratory ID:	05-222-01					
Gasoline	ND	7.5	NWTPH-Gx	5-24-21	5-24-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	105	66-129				
Client ID:	IAEX-55-3					
Laboratory ID:	05-222-02					
Gasoline	ND	6.9	NWTPH-Gx	5-24-21	5-24-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	100	66-129				



Date of Report: May 28, 2021
 Samples Submitted: May 24, 2021
 Laboratory Reference: 2105-222
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-54-4					
Laboratory ID:	05-222-01					
Diesel Range Organics	ND	32	NWTPH-Dx	5-25-21	5-25-21	X1
Lube Oil Range Organics	ND	64	NWTPH-Dx	5-25-21	5-25-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				
Client ID:	IAEX-55-3					
Laboratory ID:	05-222-02					
Diesel Range Organics	ND	33	NWTPH-Dx	5-25-21	5-25-21	X1
Lube Oil Range Organics	ND	65	NWTPH-Dx	5-25-21	5-25-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				



Date of Report: May 28, 2021
 Samples Submitted: May 24, 2021
 Laboratory Reference: 2105-222
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-54-4					
Laboratory ID:	05-222-01					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Chloromethane	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Bromomethane	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
Chloroethane	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Acetone	ND	0.010	EPA 8260D	5-25-21	5-25-21	
Iodomethane	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Methylene Chloride	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Vinyl Acetate	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
2-Butanone	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Chloroform	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Benzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Methyl Isobutyl Ketone	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
Toluene	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	



Date of Report: May 28, 2021
 Samples Submitted: May 24, 2021
 Laboratory Reference: 2105-222
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-54-4					
Laboratory ID:	05-222-01					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
2-Hexanone	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
m,p-Xylene	ND	0.0021	EPA 8260D	5-25-21	5-25-21	
o-Xylene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Styrene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Bromoform	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2-Dibromo-3-chloropropane	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Hexachlorobutadiene	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
Naphthalene	ND	0.0052	EPA 8260D	5-25-21	5-25-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>71-130</i>				



Date of Report: May 28, 2021
 Samples Submitted: May 24, 2021
 Laboratory Reference: 2105-222
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-55-3					
Laboratory ID:	05-222-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Chloromethane	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Bromomethane	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
Chloroethane	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Acetone	0.017	0.012	EPA 8260D	5-25-21	5-25-21	
Iodomethane	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Methylene Chloride	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Vinyl Acetate	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
2-Butanone	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Chloroform	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Benzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
Toluene	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-55-3					
Laboratory ID:	05-222-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
2-Hexanone	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Ethylbenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
m,p-Xylene	ND	0.0024	EPA 8260D	5-25-21	5-25-21	
o-Xylene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Styrene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Bromoform	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
1,2-Dibromo-3-chloropropane	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
Naphthalene	ND	0.0060	EPA 8260D	5-25-21	5-25-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-25-21	5-25-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-130</i>				



Date of Report: May 28, 2021
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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-54-4					
Laboratory ID:	05-222-01					
n-Nitrosodimethylamine	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Pyridine	ND	0.42	EPA 8270E	5-24-21	5-25-21	
Phenol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Aniline	ND	0.21	EPA 8270E	5-24-21	5-25-21	
bis(2-Chloroethyl)ether	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2-Chlorophenol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
1,3-Dichlorobenzene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
1,4-Dichlorobenzene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Benzyl alcohol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
1,2-Dichlorobenzene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2-Methylphenol (o-Cresol)	ND	0.042	EPA 8270E	5-24-21	5-25-21	
bis(2-Chloroisopropyl)ether	ND	0.042	EPA 8270E	5-24-21	5-25-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.042	EPA 8270E	5-24-21	5-25-21	
n-Nitroso-di-n-propylamine	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Hexachloroethane	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Nitrobenzene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Isophorone	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2-Nitrophenol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2,4-Dimethylphenol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
bis(2-Chloroethoxy)methane	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2,4-Dichlorophenol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
1,2,4-Trichlorobenzene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Naphthalene	0.015	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
4-Chloroaniline	ND	0.21	EPA 8270E	5-24-21	5-25-21	
Hexachlorobutadiene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
4-Chloro-3-methylphenol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2-Methylnaphthalene	0.029	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
1-Methylnaphthalene	0.024	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
Hexachlorocyclopentadiene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2,4,6-Trichlorophenol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2,3-Dichloroaniline	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2,4,5-Trichlorophenol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2-Chloronaphthalene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2-Nitroaniline	ND	0.042	EPA 8270E	5-24-21	5-25-21	
1,4-Dinitrobenzene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Dimethylphthalate	ND	0.042	EPA 8270E	5-24-21	5-25-21	
1,3-Dinitrobenzene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2,6-Dinitrotoluene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
1,2-Dinitrobenzene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Acenaphthylene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
3-Nitroaniline	ND	0.042	EPA 8270E	5-24-21	5-25-21	



Date of Report: May 28, 2021
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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-54-4					
Laboratory ID:	05-222-01					
2,4-Dinitrophenol	ND	0.21	EPA 8270E	5-24-21	5-25-21	
Acenaphthene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
4-Nitrophenol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2,4-Dinitrotoluene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Dibenzofuran	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2,3,5,6-Tetrachlorophenol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
2,3,4,6-Tetrachlorophenol	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Diethylphthalate	ND	0.21	EPA 8270E	5-24-21	5-25-21	
4-Chlorophenyl-phenylether	ND	0.042	EPA 8270E	5-24-21	5-25-21	
4-Nitroaniline	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Fluorene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
4,6-Dinitro-2-methylphenol	ND	0.21	EPA 8270E	5-24-21	5-25-21	
n-Nitrosodiphenylamine	ND	0.042	EPA 8270E	5-24-21	5-25-21	
1,2-Diphenylhydrazine	ND	0.042	EPA 8270E	5-24-21	5-25-21	
4-Bromophenyl-phenylether	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Hexachlorobenzene	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Pentachlorophenol	ND	0.21	EPA 8270E	5-24-21	5-25-21	
Phenanthrene	0.015	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
Anthracene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
Carbazole	ND	0.042	EPA 8270E	5-24-21	5-25-21	
Di-n-butylphthalate	ND	0.21	EPA 8270E	5-24-21	5-25-21	
Fluoranthene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
Pyrene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
Butylbenzylphthalate	ND	0.21	EPA 8270E	5-24-21	5-25-21	
bis-2-Ethylhexyladipate	ND	0.21	EPA 8270E	5-24-21	5-25-21	
3,3'-Dichlorobenzidine	ND	0.21	EPA 8270E	5-24-21	5-25-21	
Benzo[a]anthracene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
Chrysene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
bis(2-Ethylhexyl)phthalate	ND	0.21	EPA 8270E	5-24-21	5-25-21	
Di-n-octylphthalate	ND	0.21	EPA 8270E	5-24-21	5-25-21	
Benzo[b]fluoranthene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
Benzo(j,k)fluoranthene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
Benzo[a]pyrene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
Indeno[1,2,3-cd]pyrene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
Dibenz[a,h]anthracene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
Benzo[g,h,i]perylene	ND	0.0085	EPA 8270E/SIM	5-24-21	5-25-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>67</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>74</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>70</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>67</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>71</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>65</i>	<i>41 - 115</i>				



Date of Report: May 28, 2021
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 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-55-3					
Laboratory ID:	05-222-02					
n-Nitrosodimethylamine	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Pyridine	ND	0.43	EPA 8270E	5-24-21	5-25-21	
Phenol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Aniline	ND	0.22	EPA 8270E	5-24-21	5-25-21	
bis(2-Chloroethyl)ether	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2-Chlorophenol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
1,3-Dichlorobenzene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
1,4-Dichlorobenzene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Benzyl alcohol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
1,2-Dichlorobenzene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2-Methylphenol (o-Cresol)	ND	0.043	EPA 8270E	5-24-21	5-25-21	
bis(2-Chloroisopropyl)ether	ND	0.043	EPA 8270E	5-24-21	5-25-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.043	EPA 8270E	5-24-21	5-25-21	
n-Nitroso-di-n-propylamine	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Hexachloroethane	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Nitrobenzene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Isophorone	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2-Nitrophenol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2,4-Dimethylphenol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
bis(2-Chloroethoxy)methane	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2,4-Dichlorophenol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
1,2,4-Trichlorobenzene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Naphthalene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
4-Chloroaniline	ND	0.22	EPA 8270E	5-24-21	5-25-21	
Hexachlorobutadiene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
4-Chloro-3-methylphenol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2-Methylnaphthalene	0.018	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
1-Methylnaphthalene	0.012	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
Hexachlorocyclopentadiene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2,4,6-Trichlorophenol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2,3-Dichloroaniline	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2,4,5-Trichlorophenol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2-Chloronaphthalene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2-Nitroaniline	ND	0.043	EPA 8270E	5-24-21	5-25-21	
1,4-Dinitrobenzene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Dimethylphthalate	ND	0.043	EPA 8270E	5-24-21	5-25-21	
1,3-Dinitrobenzene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2,6-Dinitrotoluene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
1,2-Dinitrobenzene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Acenaphthylene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
3-Nitroaniline	ND	0.043	EPA 8270E	5-24-21	5-25-21	



Date of Report: May 28, 2021
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 Laboratory Reference: 2105-222
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-55-3					
Laboratory ID:	05-222-02					
2,4-Dinitrophenol	ND	0.22	EPA 8270E	5-24-21	5-25-21	
Acenaphthene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
4-Nitrophenol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2,4-Dinitrotoluene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Dibenzofuran	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2,3,5,6-Tetrachlorophenol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
2,3,4,6-Tetrachlorophenol	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Diethylphthalate	ND	0.22	EPA 8270E	5-24-21	5-25-21	
4-Chlorophenyl-phenylether	ND	0.043	EPA 8270E	5-24-21	5-25-21	
4-Nitroaniline	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Fluorene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
4,6-Dinitro-2-methylphenol	ND	0.22	EPA 8270E	5-24-21	5-25-21	
n-Nitrosodiphenylamine	ND	0.043	EPA 8270E	5-24-21	5-25-21	
1,2-Diphenylhydrazine	ND	0.043	EPA 8270E	5-24-21	5-25-21	
4-Bromophenyl-phenylether	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Hexachlorobenzene	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Pentachlorophenol	ND	0.22	EPA 8270E	5-24-21	5-25-21	
Phenanthrene	0.011	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
Anthracene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
Carbazole	ND	0.043	EPA 8270E	5-24-21	5-25-21	
Di-n-butylphthalate	ND	0.22	EPA 8270E	5-24-21	5-25-21	
Fluoranthene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
Pyrene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
Butylbenzylphthalate	ND	0.22	EPA 8270E	5-24-21	5-25-21	
bis(2-Ethylhexyl)adipate	ND	0.22	EPA 8270E	5-24-21	5-25-21	
3,3'-Dichlorobenzidine	ND	0.22	EPA 8270E	5-24-21	5-25-21	
Benzo[a]anthracene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
Chrysene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
bis(2-Ethylhexyl)phthalate	ND	0.22	EPA 8270E	5-24-21	5-25-21	
Di-n-octylphthalate	ND	0.22	EPA 8270E	5-24-21	5-25-21	
Benzo[b]fluoranthene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
Benzo(j,k)fluoranthene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
Benzo[a]pyrene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
Indeno[1,2,3-cd]pyrene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
Dibenz[a,h]anthracene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
Benzo[g,h,i]perylene	ND	0.0087	EPA 8270E/SIM	5-24-21	5-25-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>64</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>69</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>64</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>63</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>64</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>59</i>	<i>41 - 115</i>				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-54-4					
Laboratory ID:	05-222-01					
Aroclor 1016	ND	0.064	EPA 8082A	5-25-21	5-25-21	
Aroclor 1221	ND	0.064	EPA 8082A	5-25-21	5-25-21	
Aroclor 1232	ND	0.064	EPA 8082A	5-25-21	5-25-21	
Aroclor 1242	ND	0.064	EPA 8082A	5-25-21	5-25-21	
Aroclor 1248	ND	0.064	EPA 8082A	5-25-21	5-25-21	
Aroclor 1254	ND	0.064	EPA 8082A	5-25-21	5-25-21	
Aroclor 1260	ND	0.064	EPA 8082A	5-25-21	5-25-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	94	54-135				
Client ID:	IAEX-55-3					
Laboratory ID:	05-222-02					
Aroclor 1016	ND	0.065	EPA 8082A	5-25-21	5-25-21	
Aroclor 1221	ND	0.065	EPA 8082A	5-25-21	5-25-21	
Aroclor 1232	ND	0.065	EPA 8082A	5-25-21	5-25-21	
Aroclor 1242	ND	0.065	EPA 8082A	5-25-21	5-25-21	
Aroclor 1248	ND	0.065	EPA 8082A	5-25-21	5-25-21	
Aroclor 1254	ND	0.065	EPA 8082A	5-25-21	5-25-21	
Aroclor 1260	ND	0.065	EPA 8082A	5-25-21	5-25-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	76	54-135				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-54-4					
Laboratory ID:	05-222-01					
alpha-BHC	ND	6.4	EPA 8081B	5-25-21	5-26-21	
gamma-BHC (Lindane)	ND	6.4	EPA 8081B	5-25-21	5-26-21	
beta-BHC	ND	6.4	EPA 8081B	5-25-21	5-26-21	
delta-BHC	ND	6.4	EPA 8081B	5-25-21	5-26-21	
Heptachlor	ND	6.4	EPA 8081B	5-25-21	5-26-21	
Aldrin	ND	6.4	EPA 8081B	5-25-21	5-26-21	
Heptachlor Epoxide	ND	6.4	EPA 8081B	5-25-21	5-26-21	
gamma-Chlordane	ND	6.4	EPA 8081B	5-25-21	5-26-21	
alpha-Chlordane	ND	13	EPA 8081B	5-25-21	5-26-21	
4,4'-DDE	ND	13	EPA 8081B	5-25-21	5-26-21	
Endosulfan I	ND	6.4	EPA 8081B	5-25-21	5-26-21	
Dieldrin	ND	13	EPA 8081B	5-25-21	5-26-21	
Endrin	ND	6.4	EPA 8081B	5-25-21	5-26-21	
4,4'-DDD	ND	13	EPA 8081B	5-25-21	5-26-21	
Endosulfan II	ND	13	EPA 8081B	5-25-21	5-26-21	
4,4'-DDT	ND	13	EPA 8081B	5-25-21	5-26-21	
Endrin Aldehyde	ND	13	EPA 8081B	5-25-21	5-26-21	
Methoxychlor	ND	13	EPA 8081B	5-25-21	5-26-21	
Endosulfan Sulfate	ND	13	EPA 8081B	5-25-21	5-26-21	
Endrin Ketone	ND	13	EPA 8081B	5-25-21	5-26-21	
Toxaphene	ND	64	EPA 8081B	5-25-21	5-26-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	60	30-110				
DCB	87	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-55-3					
Laboratory ID:	05-222-02					
alpha-BHC	ND	6.5	EPA 8081B	5-25-21	5-26-21	
gamma-BHC (Lindane)	ND	6.5	EPA 8081B	5-25-21	5-26-21	
beta-BHC	ND	6.5	EPA 8081B	5-25-21	5-26-21	
delta-BHC	ND	6.5	EPA 8081B	5-25-21	5-26-21	
Heptachlor	ND	6.5	EPA 8081B	5-25-21	5-26-21	
Aldrin	ND	6.5	EPA 8081B	5-25-21	5-26-21	
Heptachlor Epoxide	ND	6.5	EPA 8081B	5-25-21	5-26-21	
gamma-Chlordane	ND	6.5	EPA 8081B	5-25-21	5-26-21	
alpha-Chlordane	ND	13	EPA 8081B	5-25-21	5-26-21	
4,4'-DDE	ND	13	EPA 8081B	5-25-21	5-26-21	
Endosulfan I	ND	6.5	EPA 8081B	5-25-21	5-26-21	
Dieldrin	ND	13	EPA 8081B	5-25-21	5-26-21	
Endrin	ND	6.5	EPA 8081B	5-25-21	5-26-21	
4,4'-DDD	ND	13	EPA 8081B	5-25-21	5-26-21	
Endosulfan II	ND	13	EPA 8081B	5-25-21	5-26-21	
4,4'-DDT	ND	13	EPA 8081B	5-25-21	5-26-21	
Endrin Aldehyde	ND	13	EPA 8081B	5-25-21	5-26-21	
Methoxychlor	ND	13	EPA 8081B	5-25-21	5-26-21	
Endosulfan Sulfate	ND	13	EPA 8081B	5-25-21	5-26-21	
Endrin Ketone	ND	13	EPA 8081B	5-25-21	5-26-21	
Toxaphene	ND	65	EPA 8081B	5-25-21	5-26-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	52	30-110				
DCB	79	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-54-4					
Laboratory ID:	05-222-01					
Dalapon	ND	230	EPA 8151A	5-24-21	5-25-21	
Dicamba	ND	12	EPA 8151A	5-24-21	5-25-21	
MCPD	ND	1200	EPA 8151A	5-24-21	5-25-21	
MCPA	ND	3000	EPA 8151A	5-24-21	5-25-21	
Dichlorprop	ND	90	EPA 8151A	5-24-21	5-25-21	
2,4-D	ND	12	EPA 8151A	5-24-21	5-25-21	
Pentachlorophenol	ND	6.0	EPA 8151A	5-24-21	5-25-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	5-24-21	5-25-21	
2,4,5-T	ND	12	EPA 8151A	5-24-21	5-25-21	
2,4-DB	ND	12	EPA 8151A	5-24-21	5-25-21	
Dinoseb	ND	12	EPA 8151A	5-24-21	5-25-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	83	27-134				
Client ID:	IAEX-55-3					
Laboratory ID:	05-222-02					
Dalapon	ND	240	EPA 8151A	5-24-21	5-25-21	
Dicamba	ND	12	EPA 8151A	5-24-21	5-25-21	
MCPD	ND	1200	EPA 8151A	5-24-21	5-25-21	
MCPA	ND	3000	EPA 8151A	5-24-21	5-25-21	
Dichlorprop	ND	92	EPA 8151A	5-24-21	5-25-21	
2,4-D	ND	12	EPA 8151A	5-24-21	5-25-21	
Pentachlorophenol	ND	6.2	EPA 8151A	5-24-21	5-25-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	5-24-21	5-25-21	
2,4,5-T	ND	12	EPA 8151A	5-24-21	5-25-21	
2,4-DB	ND	12	EPA 8151A	5-24-21	5-25-21	
Dinoseb	ND	12	EPA 8151A	5-24-21	5-25-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	111	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-54-4					
Laboratory ID:	05-222-01					
Arsenic	ND	13	EPA 6010D	5-25-21	5-25-21	
Cadmium	ND	0.64	EPA 6010D	5-25-21	5-25-21	
Chromium	45	0.64	EPA 6010D	5-25-21	5-25-21	
Copper	44	1.3	EPA 6010D	5-25-21	5-25-21	
Lead	ND	6.4	EPA 6010D	5-25-21	5-25-21	
Mercury	0.057	0.022	EPA 7471B	5-25-21	5-25-21	
Nickel	73	6.4	EPA 6010D	5-25-21	5-25-21	
Selenium	ND	0.64	EPA 6020B	5-26-21	5-26-21	
Zinc	67	6.4	EPA 6010D	5-25-21	5-25-21	

Client ID:	IAEX-55-3					
Laboratory ID:	05-222-02					
Arsenic	ND	13	EPA 6010D	5-25-21	5-25-21	
Cadmium	ND	0.65	EPA 6010D	5-25-21	5-25-21	
Chromium	43	0.65	EPA 6010D	5-25-21	5-25-21	
Copper	39	1.3	EPA 6010D	5-25-21	5-25-21	
Lead	ND	6.5	EPA 6010D	5-25-21	5-25-21	
Mercury	0.074	0.023	EPA 7471B	5-25-21	5-25-21	
Nickel	68	6.5	EPA 6010D	5-25-21	5-25-21	
Selenium	ND	0.65	EPA 6020B	5-26-21	5-26-21	
Zinc	63	6.5	EPA 6010D	5-25-21	5-25-21	



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**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-54-4					
Laboratory ID:	05-222-01					
Barium	100	3.2	EPA 6010D	5-25-21	5-25-21	
Silver	ND	1.3	EPA 6010D	5-25-21	5-25-21	

Client ID:	IAEX-55-3					
Laboratory ID:	05-222-02					
Barium	86	3.3	EPA 6010D	5-25-21	5-25-21	
Silver	ND	1.3	EPA 6010D	5-25-21	5-25-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0524S1					
Gasoline	ND	5.0	NWTPH-Gx	5-24-21	5-24-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	94	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-207-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
Fluorobenzene				97	98	66-129		



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**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-25-21	5-25-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-25-21	5-25-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0525S1							
	ORIG	DUP						
Diesel Fuel #2	78.1	72.1	NA	NA	NA	NA	8	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				103	95	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Chloromethane	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Bromomethane	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
Chloroethane	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Acetone	ND	0.010	EPA 8260D	5-25-21	5-25-21	
Iodomethane	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
2-Butanone	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Chloroform	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Benzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
Toluene	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
2-Hexanone	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Ethylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
m,p-Xylene	ND	0.0020	EPA 8260D	5-25-21	5-25-21	
o-Xylene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Styrene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Bromoform	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
Naphthalene	ND	0.0050	EPA 8260D	5-25-21	5-25-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-25-21	5-25-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0525S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0538	0.0524	0.0500	0.0500	108	105	71-131	3	19	
Benzene	0.0525	0.0520	0.0500	0.0500	105	104	73-124	1	18	
Trichloroethene	0.0549	0.0543	0.0500	0.0500	110	109	79-130	1	18	
Toluene	0.0512	0.0509	0.0500	0.0500	102	102	76-123	1	18	
Chlorobenzene	0.0515	0.0526	0.0500	0.0500	103	105	78-122	2	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					97	92	74-131			
<i>Toluene-d8</i>					100	97	78-128			
<i>4-Bromofluorobenzene</i>					100	99	71-130			



Date of Report: May 28, 2021
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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0524S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Pyridine	ND	0.33	EPA 8270E	5-24-21	5-24-21	
Phenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Aniline	ND	0.17	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Chlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Benzyl alcohol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	5-24-21	5-24-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	5-24-21	5-24-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Hexachloroethane	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Nitrobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Isophorone	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Nitrophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
4-Chloroaniline	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Hexachlorocyclopentadiene	ND	0.064	EPA 8270E	5-24-21	5-24-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,3-Dichloroaniline	ND	0.042	EPA 8270E	5-24-21	5-24-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2-Nitroaniline	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Dimethylphthalate	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
3-Nitroaniline	ND	0.033	EPA 8270E	5-24-21	5-24-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0524S1					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
4-Nitrophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Dibenzofuran	ND	0.042	EPA 8270E	5-24-21	5-24-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Diethylphthalate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	5-24-21	5-24-21	
4-Nitroaniline	ND	0.043	EPA 8270E	5-24-21	5-24-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
4,6-Dinitro-2-methylphenol	ND	0.24	EPA 8270E	5-24-21	5-24-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	5-24-21	5-24-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	5-24-21	5-24-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Pentachlorophenol	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Carbazole	ND	0.033	EPA 8270E	5-24-21	5-24-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	5-24-21	5-24-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	5-24-21	5-24-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	65	26 - 109				
Phenol-d6	75	33 - 113				
Nitrobenzene-d5	69	31 - 110				
2-Fluorobiphenyl	61	42 - 107				
2,4,6-Tribromophenol	73	42 - 123				
Terphenyl-d14	71	41 - 115				



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 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0524S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	0.937	0.913	1.33	1.33	70	69	47 - 106	3	30	
2-Chlorophenol	0.984	0.977	1.33	1.33	74	73	51 - 105	1	31	
1,4-Dichlorobenzene	0.488	0.476	0.667	0.667	73	71	49 - 101	2	33	
n-Nitroso-di-n-propylamine	0.564	0.545	0.667	0.667	85	82	50 - 105	3	26	
1,2,4-Trichlorobenzene	0.501	0.502	0.667	0.667	75	75	50 - 107	0	31	
4-Chloro-3-methylphenol	1.04	0.993	1.33	1.33	78	75	58 - 114	5	22	
Acenaphthene	0.493	0.469	0.667	0.667	74	70	52 - 102	5	22	
4-Nitrophenol	1.15	1.07	1.33	1.33	86	80	51 - 126	7	20	
2,4-Dinitrotoluene	0.421	0.393	0.667	0.667	63	59	54 - 108	7	19	
Pentachlorophenol	1.21	1.09	1.33	1.33	91	82	20 - 148	10	30	
Pyrene	0.520	0.463	0.667	0.667	78	69	55 - 112	12	19	
<i>Surrogate:</i>										
2-Fluorophenol					79	75	26 - 109			
Phenol-d6					83	80	33 - 113			
Nitrobenzene-d5					80	79	31 - 110			
2-Fluorobiphenyl					73	69	42 - 107			
2,4,6-Tribromophenol					81	75	42 - 123			
Terphenyl-d14					73	66	41 - 115			



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**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525S1					
Aroclor 1016	ND	0.050	EPA 8082A	5-25-21	5-25-21	
Aroclor 1221	ND	0.050	EPA 8082A	5-25-21	5-25-21	
Aroclor 1232	ND	0.050	EPA 8082A	5-25-21	5-25-21	
Aroclor 1242	ND	0.050	EPA 8082A	5-25-21	5-25-21	
Aroclor 1248	ND	0.050	EPA 8082A	5-25-21	5-25-21	
Aroclor 1254	ND	0.050	EPA 8082A	5-25-21	5-25-21	
Aroclor 1260	ND	0.050	EPA 8082A	5-25-21	5-25-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	93		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-222-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.357	0.411	0.500	0.500	ND	71	82	62-129	14	15	
Surrogate:											
DCB						81	93	54-135			



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 Samples Submitted: May 24, 2021
 Laboratory Reference: 2105-222
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525S1					
alpha-BHC	ND	5.0	EPA 8081B	5-25-21	5-26-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	5-25-21	5-26-21	
beta-BHC	ND	5.0	EPA 8081B	5-25-21	5-26-21	
delta-BHC	ND	5.0	EPA 8081B	5-25-21	5-26-21	
Heptachlor	ND	5.0	EPA 8081B	5-25-21	5-26-21	
Aldrin	ND	5.0	EPA 8081B	5-25-21	5-26-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	5-25-21	5-26-21	
gamma-Chlordane	ND	5.0	EPA 8081B	5-25-21	5-26-21	
alpha-Chlordane	ND	10	EPA 8081B	5-25-21	5-26-21	
4,4'-DDE	ND	10	EPA 8081B	5-25-21	5-26-21	
Endosulfan I	ND	5.0	EPA 8081B	5-25-21	5-26-21	
Dieldrin	ND	10	EPA 8081B	5-25-21	5-26-21	
Endrin	ND	5.0	EPA 8081B	5-25-21	5-26-21	
4,4'-DDD	ND	10	EPA 8081B	5-25-21	5-26-21	
Endosulfan II	ND	10	EPA 8081B	5-25-21	5-26-21	
4,4'-DDT	ND	10	EPA 8081B	5-25-21	5-26-21	
Endrin Aldehyde	ND	10	EPA 8081B	5-25-21	5-26-21	
Methoxychlor	ND	10	EPA 8081B	5-25-21	5-26-21	
Endosulfan Sulfate	ND	10	EPA 8081B	5-25-21	5-26-21	
Endrin Ketone	ND	10	EPA 8081B	5-25-21	5-26-21	
Toxaphene	ND	50	EPA 8081B	5-25-21	5-26-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	71	30-110				
DCB	100	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	05-222-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	75.2	89.3	100	100	ND	75	89	36-123	17	21	
gamma-BHC (Lindane)	75.3	88.3	100	100	ND	75	88	38-121	16	21	
beta-BHC	73.3	85.6	100	100	ND	73	86	31-125	15	21	
delta-BHC	78.9	91.7	100	100	ND	79	92	37-118	15	23	
Heptachlor	75.9	91.6	100	100	ND	76	92	37-123	19	24	
Aldrin	67.1	80.7	100	100	ND	67	81	45-118	18	22	
Heptachlor Epoxide	81.7	96.7	100	100	ND	82	97	46-114	17	22	
gamma-Chlordane	65.7	77.7	100	100	ND	66	78	41-120	17	23	
alpha-Chlordane	66.8	78.6	100	100	ND	67	79	43-118	16	23	
4,4'-DDE	67.3	80.0	100	100	ND	67	80	34-139	17	22	
Endosulfan I	73.2	85.7	100	100	ND	73	86	43-124	16	25	
Dieldrin	81.9	98.2	100	100	ND	82	98	40-128	18	23	
Endrin	83.1	98.5	100	100	ND	83	98	44-120	17	28	
4,4'-DDD	84.6	101	100	100	ND	85	101	42-131	18	21	
Endosulfan II	85.7	102	100	100	ND	86	102	47-112	17	22	
4,4'-DDT	77.7	92.8	100	100	ND	78	93	29-141	18	32	
Endrin Aldehyde	71.9	83.5	100	100	ND	72	83	41-114	15	22	
Methoxychlor	74.6	90.3	100	100	ND	75	90	31-139	19	23	
Endosulfan Sulfate	69.7	81.6	100	100	ND	70	82	48-112	16	21	
Endrin Ketone	67.9	79.5	100	100	ND	68	80	46-117	16	22	
Surrogate:											
TCMX						61	63	30-110			
DCB						85	84	40-117			



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 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0524S2					
Dalapon	ND	180	EPA 8151A	5-24-21	5-25-21	
Dicamba	ND	9.4	EPA 8151A	5-24-21	5-25-21	
MCP	ND	940	EPA 8151A	5-24-21	5-25-21	
MCPA	ND	2300	EPA 8151A	5-24-21	5-25-21	
Dichlorprop	ND	71	EPA 8151A	5-24-21	5-25-21	
2,4-D	ND	9.4	EPA 8151A	5-24-21	5-25-21	
Pentachlorophenol	ND	4.8	EPA 8151A	5-24-21	5-25-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	5-24-21	5-25-21	
2,4,5-T	ND	9.5	EPA 8151A	5-24-21	5-25-21	
2,4-DB	ND	9.5	EPA 8151A	5-24-21	5-25-21	
Dinoseb	ND	9.5	EPA 8151A	5-24-21	5-25-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	74	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0524S2							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	273	463	1250	1250	N/A	22 37	10-68	52 38 L
Dicamba	197	219	250	250	N/A	79 88	52-101	11 18
MCP	21600	22200	25000	25000	N/A	86 89	63-105	3 21
MCPA	18700	20200	25000	25000	N/A	75 81	45-107	8 21
Dichlorprop	200	215	250	250	N/A	80 86	54-106	7 18
2,4-D	152	178	250	250	N/A	61 71	33-95	16 25
Pentachlorophenol	27.0	27.3	25.0	25.0	N/A	108 109	48-125	1 20
2,4,5-TP (Silvex)	229	241	250	250	N/A	91 96	62-115	5 17
2,4,5-T	162	187	250	250	N/A	65 75	48-108	14 21
2,4-DB	200	222	250	250	N/A	80 89	45-114	10 23
Dinoseb	255	262	250	250	N/A	102 105	51-124	3 27
<i>Surrogate:</i>								
DCAA						102 115	27-134	



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 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525SM1					
Arsenic	ND	10	EPA 6010D	5-25-21	5-25-21	
Cadmium	ND	0.50	EPA 6010D	5-25-21	5-25-21	
Chromium	ND	0.50	EPA 6010D	5-25-21	5-25-21	
Copper	ND	1.0	EPA 6010D	5-25-21	5-25-21	
Lead	ND	5.0	EPA 6010D	5-25-21	5-25-21	
Nickel	ND	2.5	EPA 6010D	5-25-21	5-25-21	
Zinc	ND	2.5	EPA 6010D	5-25-21	5-25-21	
METHOD BLANK						
Laboratory ID:	MB0525SM1					
Selenium	ND	0.50	EPA 6020B	5-26-21	5-26-21	
METHOD BLANK						
Laboratory ID:	MB0525S1					
Mercury	ND	0.018	EPA 7471B	5-25-21	5-25-21	



Date of Report: May 28, 2021
 Samples Submitted: May 24, 2021
 Laboratory Reference: 2105-222
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	05-184-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	2.46	3.17	NA	NA		NA	NA	25	20	C
Copper	15.3	17.0	NA	NA		NA	NA	11	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	9.85	9.45	NA	NA		NA	NA	4	20	
Zinc	16.9	20.5	NA	NA		NA	NA	19	20	

Laboratory ID:	05-184-01									
Selenium	ND	0.595	NA	NA		NA	NA	NA	20	

Laboratory ID:	05-222-01									
Mercury	0.0449	0.0644	NA	NA		NA	NA	36	20	C

MATRIX SPIKES

Laboratory ID:	05-184-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	90.4	92.4	100	100	ND	90	92	75-125	2	20
Cadmium	42.0	42.5	50.0	50.0	ND	84	85	75-125	1	20
Chromium	91.5	93.4	100	100	2.46	89	91	75-125	2	20
Copper	64.1	65.0	50.0	50.0	15.3	98	99	75-125	1	20
Lead	219	225	250	250	ND	88	90	75-125	2	20
Nickel	103	102	100	100	9.85	93	92	75-125	1	20
Zinc	106	107	100	100	16.9	89	90	75-125	1	20

Laboratory ID:	05-184-01									
Selenium	84.8	86.8	100	100	ND	85	87	75-125	2	20

Laboratory ID:	05-222-01									
Mercury	0.519	0.549	0.500	0.500	0.0449	95	101	80-120	6	20



Date of Report: May 28, 2021
 Samples Submitted: May 24, 2021
 Laboratory Reference: 2105-222
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525SM1					
Barium	ND	2.5	EPA 6010D	5-25-21	5-25-21	
Silver	ND	1.0	EPA 6010D	5-25-21	5-25-21	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-194-01							
	ORIG	DUP						
Barium	22.0	24.0	NA	NA	NA	NA	9	20
Silver	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	05-194-01									
	MS	MSD	MS	MSD		MS	MSD			
Barium	113	118	100	100	22.0	91	96	75-125	4	20
Silver	21.5	21.8	25.0	25.0	ND	86	87	75-125	1	20



Date of Report: May 28, 2021
Samples Submitted: May 24, 2021
Laboratory Reference: 2105-222
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-54-4	05-222-01	21	5-24-21
IAEX-55-3	05-222-02	23	5-24-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





Onsite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 889-3831 • www.onsite-env.com

Chain of Custody

Turnaround Request
(In working days)

Laboratory Number: **05-2222**

Company: GeoEngineers

Project Number: 6694-002-03 T700

Project Name: Go East Corp Landfill Site

Project Manager: Rob Leet

Sampled by: Paul Robinette

Sample Identification

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	X X
NWTPH-Dx (X Acid / SG Clean-up)	X X
Volatiles 8260C	X
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	X
PAHs 8270D/SIM (low-level)	X
PCBs 8082A	X X
Organochlorine Pesticides 8081B	X
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
TOTAL METALS *	X
TOTAL Ag + Ba	X
% Moisture	X

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (X Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL METALS *	TOTAL Ag + Ba	% Moisture	
1	JTEX-54-4	5/24/11	11:20	S	6			X	X	X			X		X	X								X	X	X
2	JTEX-55-3	5/24/11	11:30	S	6			X	X	X			X		X	X								X	X	X

Signature	Company	Date	Time	Comments/Special Instructions
	GEI	5/24/11	14:10	
	GeoEast Corp	5/24/11	14:11	
	GeoEast Corp	5/24/11	2:54	
	OSGE	5/24/11	14:54	

*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc

**PCBs as Aroclors

Added 5/28/11. DB/2 day TAT

Reviewed/Date

Reviewed/Date

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 2, 2021

Rob Leet
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2105-269

Dear Rob:

Enclosed are the analytical results and associated quality control data for samples submitted on May 27, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 2, 2021
Samples Submitted: May 27, 2021
Laboratory Reference: 2105-269
Project: 6694-002-03 T700

Case Narrative

Samples were collected on May 27, 2021 and received by the laboratory on May 27, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: June 2, 2021
Samples Submitted: May 27, 2021
Laboratory Reference: 2105-269
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-56-6	05-269-01	Soil	5-27-21	5-27-21	
IAEX-57-6	05-269-02	Soil	5-27-21	5-27-21	
IAEX-58-5	05-269-03	Soil	5-27-21	5-27-21	



Date of Report: June 2, 2021
 Samples Submitted: May 27, 2021
 Laboratory Reference: 2105-269
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/7471B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-56-6					
Laboratory ID:	05-269-01					
Mercury	ND	0.023	EPA 7471B	6-1-21	6-1-21	

Client ID:	IAEX-57-6					
Laboratory ID:	05-269-02					
Copper	8.5	1.1	EPA 6010D	6-1-21	6-1-21	

Client ID:	IAEX-58-5					
Laboratory ID:	05-269-03					
Copper	8.8	1.0	EPA 6010D	6-1-21	6-1-21	
Mercury	ND	0.021	EPA 7471B	6-1-21	6-1-21	



Date of Report: June 2, 2021
 Samples Submitted: May 27, 2021
 Laboratory Reference: 2105-269
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0601SM1					
Copper	ND	1.0	EPA 6010D	6-1-21	6-1-21	
METHOD BLANK						
Laboratory ID:	MB0601S1					
Mercury	ND	0.020	EPA 7471B	6-1-21	6-1-21	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-269-02							
	ORIG	DUP						
Copper	8.00	7.90	NA	NA	NA	NA	1	20
DUPLICATE								
Laboratory ID:	05-269-01							
Mercury	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	05-269-02									
	MS	MSD	MS	MSD		MS	MSD			
Copper	52.1	52.1	50.0	50.0	8.00	88	88	75-125	0	20
MATRIX SPIKES										
Laboratory ID:	05-269-01									
Mercury	0.536	0.551	0.500	0.500	0.0118	105	108	80-120	3	20



Date of Report: June 2, 2021
Samples Submitted: May 27, 2021
Laboratory Reference: 2105-269
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-56-6	05-269-01	12	6-1-21
IAEX-57-6	05-269-02	6	6-1-21
IAEX-58-5	05-269-03	5	6-1-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
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 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





MVA Onsite Environmental Inc.

Analytical Laboratory Testing Services
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Phone: (425) 883-3981 • www.onsite-env.com

Chain of Custody

Company: GeoEngineers

Project Number: 6694-002-03 T700

Project Name: Go East Corp Landfill Site

Project Manager: Rob Leet

Sampled by: Paul Robinette

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Lab ID Sample Identification

Lab ID	Sample Identification
1	IAEX-58-6
2	IAEX-57-6
3	IAEX-58-5

Date Sampled

Date Sampled	Time Sampled	Matrix
5/27/21	11:25	S

Number of Containers

Number of Containers
2
2
2

Laboratory Number:

05-269

Test Method	Result
NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
Total Metal - Hg	X
Total Metals - Cu and Hg	X
Total Metals - Cu	X
% Moisture	X

Signature

Signature
<i>[Signature]</i>
<i>[Signature]</i>
<i>[Signature]</i>

Company

Company
Geo
Geo
Geo

Date

Date
5/27/21
5/27/21
5/27/21

Time

Time
11:25
5:40
5:40

Comments/Special Instructions

*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc

**PCBs as Aroclors

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)

Received/Date

Reviewed/Date

Reviewed/Date



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 7, 2021

Garrett Leque
GeoEngineers, Inc.
600 Dupont Street
Bellingham, WA 98225

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2106-025

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on June 3, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 7, 2021
Samples Submitted: June 3, 2021
Laboratory Reference: 2106-025
Project: 6694-002-03 T700

Case Narrative

Samples were collected on June 3, 2021 and received by the laboratory on June 3, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: June 7, 2021
Samples Submitted: June 3, 2021
Laboratory Reference: 2106-025
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-59-5	06-025-01	Soil	6-3-21	6-3-21	
IAEX-60-5	06-025-02	Soil	6-3-21	6-3-21	



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-59-5					
Laboratory ID:	06-025-01					
Gasoline	ND	5.6	NWTPH-Gx	6-3-21	6-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	106	66-129				
Client ID:	IAEX-60-5					
Laboratory ID:	06-025-02					
Gasoline	ND	5.0	NWTPH-Gx	6-3-21	6-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	104	66-129				



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-59-5					
Laboratory ID:	06-025-01					
Diesel Range Organics	ND	31	NWTPH-Dx	6-4-21	6-4-21	X1
Lube Oil Range Organics	ND	62	NWTPH-Dx	6-4-21	6-4-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				
Client ID:	IAEX-60-5					
Laboratory ID:	06-025-02					
Diesel Range Organics	ND	30	NWTPH-Dx	6-4-21	6-4-21	X1
Lube Oil Range Organics	ND	60	NWTPH-Dx	6-4-21	6-4-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	104	50-150				



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-59-5					
Laboratory ID:	06-025-01					
Dichlorodifluoromethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Chloromethane	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
Vinyl Chloride	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Bromomethane	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
Chloroethane	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
Trichlorofluoromethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,1-Dichloroethene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Acetone	ND	0.0096	EPA 8260D	6-3-21	6-3-21	
Iodomethane	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	6-3-21	6-3-21	
Methylene Chloride	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
(trans) 1,2-Dichloroethene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Methyl t-Butyl Ether	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,1-Dichloroethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Vinyl Acetate	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
2,2-Dichloropropane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
(cis) 1,2-Dichloroethene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
2-Butanone	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
Bromochloromethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Chloroform	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,1,1-Trichloroethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Carbon Tetrachloride	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,1-Dichloropropene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Benzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,2-Dichloroethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Trichloroethene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,2-Dichloropropane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Dibromomethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Bromodichloromethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
(cis) 1,3-Dichloropropene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
Toluene	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
(trans) 1,3-Dichloropropene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-59-5					
Laboratory ID:	06-025-01					
1,1,2-Trichloroethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Tetrachloroethene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,3-Dichloropropane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
2-Hexanone	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
Dibromochloromethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,2-Dibromoethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Chlorobenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,1,1,2-Tetrachloroethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Ethylbenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
m,p-Xylene	ND	0.0019	EPA 8260D	6-3-21	6-3-21	
o-Xylene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Styrene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Bromoform	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
Isopropylbenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Bromobenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,1,2,2-Tetrachloroethane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,2,3-Trichloropropane	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
n-Propylbenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
2-Chlorotoluene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
4-Chlorotoluene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,3,5-Trimethylbenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
tert-Butylbenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,2,4-Trimethylbenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
sec-Butylbenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,3-Dichlorobenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
p-Isopropyltoluene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,4-Dichlorobenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,2-Dichlorobenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
n-Butylbenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
1,2-Dibromo-3-chloropropane	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
1,2,4-Trichlorobenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
Hexachlorobutadiene	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
Naphthalene	ND	0.0048	EPA 8260D	6-3-21	6-3-21	
1,2,3-Trichlorobenzene	ND	0.00096	EPA 8260D	6-3-21	6-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>105</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-60-5					
Laboratory ID:	06-025-02					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Chloromethane	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Bromomethane	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
Chloroethane	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Acetone	ND	0.013	EPA 8260D	6-3-21	6-3-21	
Iodomethane	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
Carbon Disulfide	ND	0.0018	EPA 8260D	6-3-21	6-3-21	
Methylene Chloride	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Vinyl Acetate	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
2-Butanone	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
Bromochloromethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Chloroform	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Benzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Trichloroethene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Dibromomethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
2-Chloroethyl Vinyl Ether	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Methyl Isobutyl Ketone	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
Toluene	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-60-5					
Laboratory ID:	06-025-02					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
2-Hexanone	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Chlorobenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Ethylbenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
m,p-Xylene	ND	0.0027	EPA 8260D	6-3-21	6-3-21	
o-Xylene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Styrene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Bromoform	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Bromobenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
1,2-Dibromo-3-chloropropane	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Hexachlorobutadiene	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
Naphthalene	ND	0.0067	EPA 8260D	6-3-21	6-3-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>109</i>	<i>71-130</i>				



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 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-59-5					
Laboratory ID:	06-025-01					
n-Nitrosodimethylamine	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Pyridine	ND	0.41	EPA 8270E	6-3-21	6-4-21	
Phenol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Aniline	ND	0.21	EPA 8270E	6-3-21	6-4-21	
bis(2-Chloroethyl)ether	ND	0.021	EPA 8270E	6-3-21	6-4-21	
2-Chlorophenol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
1,3-Dichlorobenzene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
1,4-Dichlorobenzene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Benzyl alcohol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
1,2-Dichlorobenzene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2-Methylphenol (o-Cresol)	ND	0.041	EPA 8270E	6-3-21	6-4-21	
bis(2-Chloroisopropyl)ether	ND	0.041	EPA 8270E	6-3-21	6-4-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.041	EPA 8270E	6-3-21	6-4-21	
n-Nitroso-di-n-propylamine	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Hexachloroethane	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Nitrobenzene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Isophorone	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2-Nitrophenol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2,4-Dimethylphenol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
bis(2-Chloroethoxy)methane	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2,4-Dichlorophenol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
1,2,4-Trichlorobenzene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Naphthalene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
4-Chloroaniline	ND	0.21	EPA 8270E	6-3-21	6-4-21	
Hexachlorobutadiene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
4-Chloro-3-methylphenol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
1-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
Hexachlorocyclopentadiene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2,4,6-Trichlorophenol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2,3-Dichloroaniline	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2,4,5-Trichlorophenol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2-Chloronaphthalene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2-Nitroaniline	ND	0.041	EPA 8270E	6-3-21	6-4-21	
1,4-Dinitrobenzene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Dimethylphthalate	ND	0.041	EPA 8270E	6-3-21	6-4-21	
1,3-Dinitrobenzene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2,6-Dinitrotoluene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
1,2-Dinitrobenzene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Acenaphthylene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
3-Nitroaniline	ND	0.041	EPA 8270E	6-3-21	6-4-21	



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 Project: 6694-002-03 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-59-5					
Laboratory ID:	06-025-01					
2,4-Dinitrophenol	ND	0.21	EPA 8270E	6-3-21	6-4-21	
Acenaphthene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
4-Nitrophenol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2,4-Dinitrotoluene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Dibenzofuran	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2,3,5,6-Tetrachlorophenol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
2,3,4,6-Tetrachlorophenol	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Diethylphthalate	ND	0.21	EPA 8270E	6-3-21	6-4-21	
4-Chlorophenyl-phenylether	ND	0.041	EPA 8270E	6-3-21	6-4-21	
4-Nitroaniline	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Fluorene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
4,6-Dinitro-2-methylphenol	ND	0.21	EPA 8270E	6-3-21	6-4-21	
n-Nitrosodiphenylamine	ND	0.041	EPA 8270E	6-3-21	6-4-21	
1,2-Diphenylhydrazine	ND	0.041	EPA 8270E	6-3-21	6-4-21	
4-Bromophenyl-phenylether	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Hexachlorobenzene	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Pentachlorophenol	ND	0.21	EPA 8270E	6-3-21	6-4-21	
Phenanthrene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
Anthracene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
Carbazole	ND	0.041	EPA 8270E	6-3-21	6-4-21	
Di-n-butylphthalate	ND	0.21	EPA 8270E	6-3-21	6-4-21	
Fluoranthene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
Pyrene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
Butylbenzylphthalate	ND	0.21	EPA 8270E	6-3-21	6-4-21	
bis-2-Ethylhexyladipate	ND	0.21	EPA 8270E	6-3-21	6-4-21	
3,3'-Dichlorobenzidine	ND	0.21	EPA 8270E	6-3-21	6-4-21	
Benzo[a]anthracene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
Chrysene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
bis(2-Ethylhexyl)phthalate	ND	0.21	EPA 8270E	6-3-21	6-4-21	
Di-n-octylphthalate	ND	0.21	EPA 8270E	6-3-21	6-4-21	
Benzo[b]fluoranthene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
Benzo(j,k)fluoranthene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
Benzo[a]pyrene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
Indeno[1,2,3-cd]pyrene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
Dibenz[a,h]anthracene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
Benzo[g,h,i]perylene	ND	0.0083	EPA 8270E/SIM	6-3-21	6-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>62</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>73</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>71</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>60</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>77</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>76</i>	<i>41 - 115</i>				



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-60-5					
Laboratory ID:	06-025-02					
n-Nitrosodimethylamine	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Pyridine	ND	0.40	EPA 8270E	6-3-21	6-4-21	
Phenol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Aniline	ND	0.20	EPA 8270E	6-3-21	6-4-21	
bis(2-Chloroethyl)ether	ND	0.020	EPA 8270E	6-3-21	6-4-21	
2-Chlorophenol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
1,3-Dichlorobenzene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
1,4-Dichlorobenzene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Benzyl alcohol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
1,2-Dichlorobenzene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2-Methylphenol (o-Cresol)	ND	0.040	EPA 8270E	6-3-21	6-4-21	
bis(2-Chloroisopropyl)ether	ND	0.040	EPA 8270E	6-3-21	6-4-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.040	EPA 8270E	6-3-21	6-4-21	
n-Nitroso-di-n-propylamine	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Hexachloroethane	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Nitrobenzene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Isophorone	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2-Nitrophenol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2,4-Dimethylphenol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
bis(2-Chloroethoxy)methane	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2,4-Dichlorophenol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
1,2,4-Trichlorobenzene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Naphthalene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
4-Chloroaniline	ND	0.20	EPA 8270E	6-3-21	6-4-21	
Hexachlorobutadiene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
4-Chloro-3-methylphenol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2-Methylnaphthalene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
1-Methylnaphthalene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
Hexachlorocyclopentadiene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2,4,6-Trichlorophenol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2,3-Dichloroaniline	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2,4,5-Trichlorophenol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2-Chloronaphthalene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2-Nitroaniline	ND	0.040	EPA 8270E	6-3-21	6-4-21	
1,4-Dinitrobenzene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Dimethylphthalate	ND	0.040	EPA 8270E	6-3-21	6-4-21	
1,3-Dinitrobenzene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2,6-Dinitrotoluene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
1,2-Dinitrobenzene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Acenaphthylene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
3-Nitroaniline	ND	0.040	EPA 8270E	6-3-21	6-4-21	



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-60-5					
Laboratory ID:	06-025-02					
2,4-Dinitrophenol	ND	0.20	EPA 8270E	6-3-21	6-4-21	
Acenaphthene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
4-Nitrophenol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2,4-Dinitrotoluene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Dibenzofuran	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2,3,5,6-Tetrachlorophenol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
2,3,4,6-Tetrachlorophenol	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Diethylphthalate	ND	0.20	EPA 8270E	6-3-21	6-4-21	
4-Chlorophenyl-phenylether	ND	0.040	EPA 8270E	6-3-21	6-4-21	
4-Nitroaniline	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Fluorene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
4,6-Dinitro-2-methylphenol	ND	0.20	EPA 8270E	6-3-21	6-4-21	
n-Nitrosodiphenylamine	ND	0.040	EPA 8270E	6-3-21	6-4-21	
1,2-Diphenylhydrazine	ND	0.040	EPA 8270E	6-3-21	6-4-21	
4-Bromophenyl-phenylether	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Hexachlorobenzene	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Pentachlorophenol	ND	0.20	EPA 8270E	6-3-21	6-4-21	
Phenanthrene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
Anthracene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
Carbazole	ND	0.040	EPA 8270E	6-3-21	6-4-21	
Di-n-butylphthalate	ND	0.20	EPA 8270E	6-3-21	6-4-21	
Fluoranthene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
Pyrene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
Butylbenzylphthalate	ND	0.20	EPA 8270E	6-3-21	6-4-21	
bis-2-Ethylhexyladipate	ND	0.20	EPA 8270E	6-3-21	6-4-21	
3,3'-Dichlorobenzidine	ND	0.20	EPA 8270E	6-3-21	6-4-21	
Benzo[a]anthracene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
Chrysene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
bis(2-Ethylhexyl)phthalate	ND	0.20	EPA 8270E	6-3-21	6-4-21	
Di-n-octylphthalate	ND	0.20	EPA 8270E	6-3-21	6-4-21	
Benzo[b]fluoranthene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
Benzo(j,k)fluoranthene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
Benzo[a]pyrene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
Indeno[1,2,3-cd]pyrene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
Dibenz[a,h]anthracene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
Benzo[g,h,i]perylene	ND	0.0080	EPA 8270E/SIM	6-3-21	6-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>71</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>80</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>81</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>66</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>81</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>81</i>	<i>41 - 115</i>				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-59-5					
Laboratory ID:	06-025-01					
Aroclor 1016	ND	0.062	EPA 8082A	6-4-21	6-4-21	
Aroclor 1221	ND	0.062	EPA 8082A	6-4-21	6-4-21	
Aroclor 1232	ND	0.062	EPA 8082A	6-4-21	6-4-21	
Aroclor 1242	ND	0.062	EPA 8082A	6-4-21	6-4-21	
Aroclor 1248	ND	0.062	EPA 8082A	6-4-21	6-4-21	
Aroclor 1254	ND	0.062	EPA 8082A	6-4-21	6-4-21	
Aroclor 1260	ND	0.062	EPA 8082A	6-4-21	6-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	93	54-135				
Client ID:	IAEX-60-5					
Laboratory ID:	06-025-02					
Aroclor 1016	ND	0.060	EPA 8082A	6-4-21	6-4-21	
Aroclor 1221	ND	0.060	EPA 8082A	6-4-21	6-4-21	
Aroclor 1232	ND	0.060	EPA 8082A	6-4-21	6-4-21	
Aroclor 1242	ND	0.060	EPA 8082A	6-4-21	6-4-21	
Aroclor 1248	ND	0.060	EPA 8082A	6-4-21	6-4-21	
Aroclor 1254	ND	0.060	EPA 8082A	6-4-21	6-4-21	
Aroclor 1260	ND	0.060	EPA 8082A	6-4-21	6-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	102	54-135				



Date of Report: June 7, 2021
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 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-59-5					
Laboratory ID:	06-025-01					
alpha-BHC	ND	6.2	EPA 8081B	6-4-21	6-4-21	
gamma-BHC (Lindane)	ND	6.2	EPA 8081B	6-4-21	6-4-21	
beta-BHC	ND	6.2	EPA 8081B	6-4-21	6-4-21	
delta-BHC	ND	6.2	EPA 8081B	6-4-21	6-4-21	
Heptachlor	ND	6.2	EPA 8081B	6-4-21	6-4-21	
Aldrin	ND	6.2	EPA 8081B	6-4-21	6-4-21	
Heptachlor Epoxide	ND	6.2	EPA 8081B	6-4-21	6-4-21	
gamma-Chlordane	ND	6.2	EPA 8081B	6-4-21	6-4-21	
alpha-Chlordane	ND	12	EPA 8081B	6-4-21	6-4-21	
4,4'-DDE	ND	12	EPA 8081B	6-4-21	6-4-21	
Endosulfan I	ND	6.2	EPA 8081B	6-4-21	6-4-21	
Dieldrin	ND	12	EPA 8081B	6-4-21	6-4-21	
Endrin	ND	6.2	EPA 8081B	6-4-21	6-4-21	
4,4'-DDD	ND	12	EPA 8081B	6-4-21	6-4-21	
Endosulfan II	ND	12	EPA 8081B	6-4-21	6-4-21	
4,4'-DDT	ND	12	EPA 8081B	6-4-21	6-4-21	
Endrin Aldehyde	ND	12	EPA 8081B	6-4-21	6-4-21	
Methoxychlor	ND	12	EPA 8081B	6-4-21	6-4-21	
Endosulfan Sulfate	ND	12	EPA 8081B	6-4-21	6-4-21	
Endrin Ketone	ND	12	EPA 8081B	6-4-21	6-4-21	
Toxaphene	ND	62	EPA 8081B	6-4-21	6-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	64	30-110				
DCB	83	40-117				



Date of Report: June 7, 2021
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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-60-5					
Laboratory ID:	06-025-02					
alpha-BHC	ND	6.0	EPA 8081B	6-4-21	6-4-21	
gamma-BHC (Lindane)	ND	6.0	EPA 8081B	6-4-21	6-4-21	
beta-BHC	ND	6.0	EPA 8081B	6-4-21	6-4-21	
delta-BHC	ND	6.0	EPA 8081B	6-4-21	6-4-21	
Heptachlor	ND	6.0	EPA 8081B	6-4-21	6-4-21	
Aldrin	ND	6.0	EPA 8081B	6-4-21	6-4-21	
Heptachlor Epoxide	ND	6.0	EPA 8081B	6-4-21	6-4-21	
gamma-Chlordane	ND	6.0	EPA 8081B	6-4-21	6-4-21	
alpha-Chlordane	ND	12	EPA 8081B	6-4-21	6-4-21	
4,4'-DDE	ND	12	EPA 8081B	6-4-21	6-4-21	
Endosulfan I	ND	6.0	EPA 8081B	6-4-21	6-4-21	
Dieldrin	ND	12	EPA 8081B	6-4-21	6-4-21	
Endrin	ND	6.0	EPA 8081B	6-4-21	6-4-21	
4,4'-DDD	ND	12	EPA 8081B	6-4-21	6-4-21	
Endosulfan II	ND	12	EPA 8081B	6-4-21	6-4-21	
4,4'-DDT	ND	12	EPA 8081B	6-4-21	6-4-21	
Endrin Aldehyde	ND	12	EPA 8081B	6-4-21	6-4-21	
Methoxychlor	ND	12	EPA 8081B	6-4-21	6-4-21	
Endosulfan Sulfate	ND	12	EPA 8081B	6-4-21	6-4-21	
Endrin Ketone	ND	12	EPA 8081B	6-4-21	6-4-21	
Toxaphene	ND	60	EPA 8081B	6-4-21	6-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	74	30-110				
DCB	101	40-117				



Date of Report: June 7, 2021
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 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-59-5					
Laboratory ID:	06-025-01					
Dalapon	ND	230	EPA 8151A	6-4-21	6-4-21	
Dicamba	ND	12	EPA 8151A	6-4-21	6-4-21	
MCPD	ND	1200	EPA 8151A	6-4-21	6-4-21	
MCPA	ND	2900	EPA 8151A	6-4-21	6-4-21	
Dichlorprop	ND	88	EPA 8151A	6-4-21	6-4-21	
2,4-D	ND	12	EPA 8151A	6-4-21	6-4-21	
Pentachlorophenol	ND	5.9	EPA 8151A	6-4-21	6-4-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	6-4-21	6-4-21	
2,4,5-T	ND	12	EPA 8151A	6-4-21	6-4-21	
2,4-DB	ND	12	EPA 8151A	6-4-21	6-4-21	
Dinoseb	ND	12	EPA 8151A	6-4-21	6-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	69	27-134				
Client ID:	IAEX-60-5					
Laboratory ID:	06-025-02					
Dalapon	ND	220	EPA 8151A	6-4-21	6-4-21	
Dicamba	ND	11	EPA 8151A	6-4-21	6-4-21	
MCPD	ND	1100	EPA 8151A	6-4-21	6-4-21	
MCPA	ND	2800	EPA 8151A	6-4-21	6-4-21	
Dichlorprop	ND	85	EPA 8151A	6-4-21	6-4-21	
2,4-D	ND	11	EPA 8151A	6-4-21	6-4-21	
Pentachlorophenol	ND	5.7	EPA 8151A	6-4-21	6-4-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	6-4-21	6-4-21	
2,4,5-T	ND	11	EPA 8151A	6-4-21	6-4-21	
2,4-DB	ND	11	EPA 8151A	6-4-21	6-4-21	
Dinoseb	ND	11	EPA 8151A	6-4-21	6-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	78	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-59-5					
Laboratory ID:	06-025-01					
Arsenic	ND	12	EPA 6010D	6-4-21	6-4-21	
Cadmium	ND	0.62	EPA 6010D	6-4-21	6-4-21	
Chromium	57	0.62	EPA 6010D	6-4-21	6-4-21	
Copper	53	1.2	EPA 6010D	6-4-21	6-4-21	
Lead	8.7	6.2	EPA 6010D	6-4-21	6-4-21	
Mercury	0.15	0.025	EPA 7471B	6-4-21	6-4-21	
Nickel	74	16	EPA 6010D	6-4-21	6-4-21	
Selenium	ND	0.62	EPA 6020B	6-4-21	6-4-21	
Zinc	93	16	EPA 6010D	6-4-21	6-4-21	

Client ID:	IAEX-60-5					
Laboratory ID:	06-025-02					
Arsenic	ND	12	EPA 6010D	6-4-21	6-4-21	
Cadmium	ND	0.60	EPA 6010D	6-4-21	6-4-21	
Chromium	27	0.60	EPA 6010D	6-4-21	6-4-21	
Copper	11	1.2	EPA 6010D	6-4-21	6-4-21	
Lead	ND	6.0	EPA 6010D	6-4-21	6-4-21	
Mercury	0.026	0.024	EPA 7471B	6-4-21	6-4-21	
Nickel	41	3.0	EPA 6010D	6-4-21	6-4-21	
Selenium	ND	0.60	EPA 6020B	6-4-21	6-4-21	
Zinc	28	3.0	EPA 6010D	6-4-21	6-4-21	



Date of Report: June 7, 2021
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 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0603S1					
Gasoline	ND	5.0	NWTPH-Gx	6-3-21	6-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	110	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-025-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				104	104	66-129		



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0604S1					
Diesel Range Organics	ND	25	NWTPH-Dx	6-4-21	6-4-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	6-4-21	6-4-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>107</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0604S1							
	ORIG	DUP						
Diesel Fuel #2	96.2	82.8	NA	NA	NA	NA	15	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				107	96	50-150		



Date of Report: June 7, 2021
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 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0603S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Chloromethane	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Bromomethane	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
Chloroethane	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Acetone	ND	0.010	EPA 8260D	6-3-21	6-3-21	
Iodomethane	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	6-3-21	6-3-21	
Methylene Chloride	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
2-Butanone	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
Bromochloromethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Chloroform	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Benzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Trichloroethene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Dibromomethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
Toluene	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0603S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
2-Hexanone	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Chlorobenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Ethylbenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
m,p-Xylene	ND	0.0020	EPA 8260D	6-3-21	6-3-21	
o-Xylene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Styrene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Bromoform	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Bromobenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
Naphthalene	ND	0.0050	EPA 8260D	6-3-21	6-3-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	6-3-21	6-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>110</i>	<i>71-130</i>				



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 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0603S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0495	0.0538	0.0500	0.0500	99	108	71-131	8	19	
Benzene	0.0518	0.0522	0.0500	0.0500	104	104	73-124	1	18	
Trichloroethene	0.0561	0.0546	0.0500	0.0500	112	109	79-130	3	18	
Toluene	0.0529	0.0511	0.0500	0.0500	106	102	76-123	3	18	
Chlorobenzene	0.0482	0.0481	0.0500	0.0500	96	96	78-122	0	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					<i>91</i>	<i>91</i>	<i>74-131</i>			
<i>Toluene-d8</i>					<i>102</i>	<i>101</i>	<i>78-128</i>			
<i>4-Bromofluorobenzene</i>					<i>104</i>	<i>104</i>	<i>71-130</i>			



Date of Report: June 7, 2021
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 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0603S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Pyridine	ND	0.33	EPA 8270E	6-3-21	6-3-21	
Phenol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Aniline	ND	0.17	EPA 8270E	6-3-21	6-3-21	
bis(2-Chloroethyl)ether	ND	0.017	EPA 8270E	6-3-21	6-3-21	
2-Chlorophenol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
1,3-Dichlorobenzene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
1,4-Dichlorobenzene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Benzyl alcohol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
1,2-Dichlorobenzene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270E	6-3-21	6-3-21	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270E	6-3-21	6-3-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270E	6-3-21	6-3-21	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Hexachloroethane	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Nitrobenzene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Isophorone	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2-Nitrophenol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2,4-Dimethylphenol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2,4-Dichlorophenol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Naphthalene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
4-Chloroaniline	ND	0.17	EPA 8270E	6-3-21	6-3-21	
Hexachlorobutadiene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2,3-Dichloroaniline	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2-Chloronaphthalene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2-Nitroaniline	ND	0.033	EPA 8270E	6-3-21	6-3-21	
1,4-Dinitrobenzene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Dimethylphthalate	ND	0.033	EPA 8270E	6-3-21	6-3-21	
1,3-Dinitrobenzene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2,6-Dinitrotoluene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
1,2-Dinitrobenzene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
3-Nitroaniline	ND	0.033	EPA 8270E	6-3-21	6-3-21	



Date of Report: June 7, 2021
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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0603S1					
2,4-Dinitrophenol	ND	0.17	EPA 8270E	6-3-21	6-3-21	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
4-Nitrophenol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2,4-Dinitrotoluene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Dibenzofuran	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Diethylphthalate	ND	0.17	EPA 8270E	6-3-21	6-3-21	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270E	6-3-21	6-3-21	
4-Nitroaniline	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Fluorene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270E	6-3-21	6-3-21	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270E	6-3-21	6-3-21	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270E	6-3-21	6-3-21	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Hexachlorobenzene	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Pentachlorophenol	ND	0.17	EPA 8270E	6-3-21	6-3-21	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
Anthracene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
Carbazole	ND	0.033	EPA 8270E	6-3-21	6-3-21	
Di-n-butylphthalate	ND	0.17	EPA 8270E	6-3-21	6-3-21	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
Pyrene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
Butylbenzylphthalate	ND	0.17	EPA 8270E	6-3-21	6-3-21	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270E	6-3-21	6-3-21	
3,3'-Dichlorobenzidine	ND	0.17	EPA 8270E	6-3-21	6-3-21	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
Chrysene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270E	6-3-21	6-3-21	
Di-n-octylphthalate	ND	0.17	EPA 8270E	6-3-21	6-3-21	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	6-3-21	6-3-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	86	26 - 109				
Phenol-d6	97	33 - 113				
Nitrobenzene-d5	91	31 - 110				
2-Fluorobiphenyl	84	42 - 107				
2,4,6-Tribromophenol	97	42 - 123				
Terphenyl-d14	97	41 - 115				



Date of Report: June 7, 2021
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 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0603S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	1.12	1.14	1.33	1.33	84	86	47 - 106	2	30	
2-Chlorophenol	1.09	1.12	1.33	1.33	82	84	51 - 105	3	31	
1,4-Dichlorobenzene	0.579	0.594	0.667	0.667	87	89	49 - 101	3	33	
n-Nitroso-di-n-propylamine	0.635	0.637	0.667	0.667	95	96	50 - 105	0	26	
1,2,4-Trichlorobenzene	0.597	0.619	0.667	0.667	90	93	50 - 107	4	31	
4-Chloro-3-methylphenol	1.22	1.31	1.33	1.33	92	98	58 - 114	7	22	
Acenaphthene	0.564	0.579	0.667	0.667	85	87	52 - 102	3	22	
4-Nitrophenol	1.45	1.51	1.33	1.33	109	114	51 - 126	4	20	
2,4-Dinitrotoluene	0.639	0.644	0.667	0.667	96	97	54 - 108	1	19	
Pentachlorophenol	1.40	1.49	1.33	1.33	105	112	20 - 148	6	30	
Pyrene	0.651	0.660	0.667	0.667	98	99	55 - 112	1	19	
<i>Surrogate:</i>										
2-Fluorophenol					86	88	26 - 109			
Phenol-d6					93	95	33 - 113			
Nitrobenzene-d5					93	96	31 - 110			
2-Fluorobiphenyl					81	84	42 - 107			
2,4,6-Tribromophenol					89	96	42 - 123			
Terphenyl-d14					88	89	41 - 115			



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0604S1					
Aroclor 1016	ND	0.050	EPA 8082A	6-4-21	6-4-21	
Aroclor 1221	ND	0.050	EPA 8082A	6-4-21	6-4-21	
Aroclor 1232	ND	0.050	EPA 8082A	6-4-21	6-4-21	
Aroclor 1242	ND	0.050	EPA 8082A	6-4-21	6-4-21	
Aroclor 1248	ND	0.050	EPA 8082A	6-4-21	6-4-21	
Aroclor 1254	ND	0.050	EPA 8082A	6-4-21	6-4-21	
Aroclor 1260	ND	0.050	EPA 8082A	6-4-21	6-4-21	
Surrogate:	Percent Recovery	Control Limits				
DCB	100	54-135				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0604S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.495	0.487	0.500	0.500	N/A	99	97	65-134	2	18	
Surrogate:											
DCB						95	96	54-135			



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0604S1					
alpha-BHC	ND	5.0	EPA 8081B	6-4-21	6-4-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	6-4-21	6-4-21	
beta-BHC	ND	5.0	EPA 8081B	6-4-21	6-4-21	
delta-BHC	ND	5.0	EPA 8081B	6-4-21	6-4-21	
Heptachlor	ND	5.0	EPA 8081B	6-4-21	6-4-21	
Aldrin	ND	5.0	EPA 8081B	6-4-21	6-4-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	6-4-21	6-4-21	
gamma-Chlordane	ND	5.0	EPA 8081B	6-4-21	6-4-21	
alpha-Chlordane	ND	10	EPA 8081B	6-4-21	6-4-21	
4,4'-DDE	ND	10	EPA 8081B	6-4-21	6-4-21	
Endosulfan I	ND	5.0	EPA 8081B	6-4-21	6-4-21	
Dieldrin	ND	10	EPA 8081B	6-4-21	6-4-21	
Endrin	ND	5.0	EPA 8081B	6-4-21	6-4-21	
4,4'-DDD	ND	10	EPA 8081B	6-4-21	6-4-21	
Endosulfan II	ND	10	EPA 8081B	6-4-21	6-4-21	
4,4'-DDT	ND	10	EPA 8081B	6-4-21	6-4-21	
Endrin Aldehyde	ND	10	EPA 8081B	6-4-21	6-4-21	
Methoxychlor	ND	10	EPA 8081B	6-4-21	6-4-21	
Endosulfan Sulfate	ND	10	EPA 8081B	6-4-21	6-4-21	
Endrin Ketone	ND	10	EPA 8081B	6-4-21	6-4-21	
Toxaphene	ND	50	EPA 8081B	6-4-21	6-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>72</i>	<i>30-110</i>				
<i>DCB</i>	<i>98</i>	<i>40-117</i>				



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits		RPD	Limit	
MATRIX SPIKES											
Laboratory ID:	06-025-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	71.0	81.7	100	100	ND	71	82	36-123	14	21	
gamma-BHC (Lindane)	71.3	82.1	100	100	ND	71	82	38-121	14	21	
beta-BHC	70.8	81.3	100	100	ND	71	81	31-125	14	21	
delta-BHC	72.6	83.7	100	100	ND	73	84	37-118	14	23	
Heptachlor	68.2	78.0	100	100	ND	68	78	37-123	13	24	
Aldrin	68.2	78.8	100	100	ND	68	79	45-118	14	22	
Heptachlor Epoxide	72.7	84.3	100	100	ND	73	84	46-114	15	22	
gamma-Chlordane	65.9	75.7	100	100	ND	66	76	41-120	14	23	
alpha-Chlordane	67.3	77.0	100	100	ND	67	77	43-118	13	23	
4,4'-DDE	82.5	95.5	100	100	ND	82	95	34-139	15	22	
Endosulfan I	71.9	81.9	100	100	ND	72	82	43-124	13	25	
Dieldrin	75.5	86.3	100	100	ND	76	86	40-128	13	23	
Endrin	74.1	85.8	100	100	ND	74	86	44-120	15	28	
4,4'-DDD	79.5	90.9	100	100	ND	79	91	42-131	13	21	
Endosulfan II	75.5	87.6	100	100	ND	75	88	47-112	15	22	
4,4'-DDT	73.8	85.3	100	100	ND	74	85	29-141	14	32	
Endrin Aldehyde	70.4	81.5	100	100	ND	70	82	41-114	15	22	
Methoxychlor	64.9	75.6	100	100	ND	65	76	31-139	15	23	
Endosulfan Sulfate	66.6	75.9	100	100	ND	67	76	48-112	13	21	
Endrin Ketone	63.6	71.8	100	100	ND	64	72	46-117	12	22	
Surrogate:											
TCMX						47	59	30-110			
DCB						69	91	40-117			



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0604S3					
Dalapon	ND	180	EPA 8151A	6-4-21	6-4-21	
Dicamba	ND	9.4	EPA 8151A	6-4-21	6-4-21	
MCPPE	ND	940	EPA 8151A	6-4-21	6-4-21	
MCPA	ND	2300	EPA 8151A	6-4-21	6-4-21	
Dichlorprop	ND	71	EPA 8151A	6-4-21	6-4-21	
2,4-D	ND	9.4	EPA 8151A	6-4-21	6-4-21	
Pentachlorophenol	ND	4.8	EPA 8151A	6-4-21	6-4-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	6-4-21	6-4-21	
2,4,5-T	ND	9.5	EPA 8151A	6-4-21	6-4-21	
2,4-DB	ND	9.5	EPA 8151A	6-4-21	6-4-21	
Dinoseb	ND	9.5	EPA 8151A	6-4-21	6-4-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	83	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0604S3							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	472	535	1250	1250	N/A	38	43	10-68 13 38
Dicamba	197	195	250	250	N/A	79	78	52-101 1 18
MCPPE	20600	20000	25000	25000	N/A	82	80	63-105 3 21
MCPA	19800	18500	25000	25000	N/A	79	74	45-107 7 21
Dichlorprop	190	186	250	250	N/A	76	75	54-106 2 18
2,4-D	167	162	250	250	N/A	67	65	33-95 3 25
Pentachlorophenol	22.5	22.8	25.0	25.0	N/A	90	91	48-125 1 20
2,4,5-TP (Silvex)	217	220	250	250	N/A	87	88	62-115 1 17
2,4,5-T	187	186	250	250	N/A	75	75	48-108 1 21
2,4-DB	189	183	250	250	N/A	76	73	45-114 3 23
Dinoseb	202	200	250	250	N/A	81	80	51-124 1 27
<i>Surrogate:</i>								
DCAA						97	79	27-134



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0604SM1					
Arsenic	ND	10	EPA 6010D	6-4-21	6-4-21	
Cadmium	ND	0.50	EPA 6010D	6-4-21	6-4-21	
Chromium	ND	0.50	EPA 6010D	6-4-21	6-4-21	
Copper	ND	1.0	EPA 6010D	6-4-21	6-4-21	
Lead	ND	5.0	EPA 6010D	6-4-21	6-4-21	
Nickel	ND	2.5	EPA 6010D	6-4-21	6-4-21	
Zinc	ND	2.5	EPA 6010D	6-4-21	6-4-21	
Laboratory ID:	MB0604SM2					
Selenium	ND	0.50	EPA 6020B	6-4-21	6-4-21	
Laboratory ID:	MB0604S1					
Mercury	ND	0.020	EPA 7471B	6-4-21	6-4-21	



Date of Report: June 7, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD	Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	
DUPLICATE									
Laboratory ID:	05-025-02								
	ORIG	DUP							
Arsenic	ND	ND	NA	NA		NA	NA	NA	20
Cadmium	ND	ND	NA	NA		NA	NA	NA	20
Chromium	22.6	26.3	NA	NA		NA	NA	15	20
Copper	8.90	8.60	NA	NA		NA	NA	3	20
Lead	ND	ND	NA	NA		NA	NA	NA	20
Nickel	34.6	37.4	NA	NA		NA	NA	8	20
Zinc	23.5	23.0	NA	NA		NA	NA	2	20

Laboratory ID:	05-025-02								
Selenium	ND	ND	NA	NA		NA	NA	NA	20

Laboratory ID:	05-025-02								
Mercury	0.0213	0.0214	NA	NA		NA	NA	0	20

MATRIX SPIKES

Laboratory ID:	05-025-02									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	91.8	94.5	100	100	ND	92	95	75-125	3	20
Cadmium	48.5	48.5	50.0	50.0	ND	97	97	75-125	0	20
Chromium	124	122	100	100	22.6	101	99	75-125	2	20
Copper	56.1	56.8	50.0	50.0	8.90	94	96	75-125	1	20
Lead	234	237	250	250	ND	94	95	75-125	1	20
Nickel	128	129	100	100	34.6	94	94	75-125	0	20
Zinc	116	117	100	100	23.5	93	93	75-125	0	20

Laboratory ID:	05-025-02									
Selenium	86.3	88.3	100	100	ND	86	88	75-125	2	20

Laboratory ID:	05-025-02									
Mercury	0.534	0.495	0.500	0.500	0.0213	103	95	80-120	8	20



Date of Report: June 7, 2021
Samples Submitted: June 3, 2021
Laboratory Reference: 2106-025
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-59-5	06-025-01	19	6-3-21
IAEX-60-5	06-025-02	17	6-3-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





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Chain of Custody

Turnaround Request
 (In working days)

(Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

_____ (other)

Laboratory Number:

06-025

Company: GeoEngineers

Project Number: 6694-002-03 T700

Project Name: Go East Corp Landfill Site

Project Manager: *Robert Garrett Legue*

Sampled by: Paul Robinette

Lab ID: Sample Identification

Date Sampled: 6/3/21
 Time Sampled: 1050
 Matrix: S

Number of Containers: 6

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Dx Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL METALS *	% Moisture
6			X	X	X			X		X	X		X						X
6			X	X	X			X		X	X		X						X

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Dx Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TOTAL METALS *	% Moisture	
1	1AEX-59-S	6/3/21	1050	S	6			X	X	X			X		X	X		X							X
2	1AEX-60-S	6/3/21	1100	S	6			X	X	X			X		X	X		X							X

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	GeoEngineers	6/3/21	1130	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc
<i>[Signature]</i>	Speed Alpha	6/3/21	12:55	**PCB's as Aroclors
<i>[Signature]</i>	Speed Alpha	6/3/21	2:08	
<i>[Signature]</i>	Speed Alpha	6/3/21	1408	

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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June 11, 2021

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2106-025B

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on June 3, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



Date of Report: June 11, 2021
Samples Submitted: June 3, 2021
Laboratory Reference: 2106-025B
Project: 6694-002-03 T700

Case Narrative

Samples were collected on June 3, 2021 and received by the laboratory on June 3, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: June 11, 2021
Samples Submitted: June 3, 2021
Laboratory Reference: 2106-025B
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-59-5	06-025-01	Soil	6-3-21	6-3-21	



Date of Report: June 11, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025B
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-59-5					
Laboratory ID:	06-025-01					
Barium	100	3.1	EPA 6010D	6-4-21	6-4-21	
Silver	ND	1.2	EPA 6010D	6-4-21	6-4-21	



Date of Report: June 11, 2021
 Samples Submitted: June 3, 2021
 Laboratory Reference: 2106-025B
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0604SM1					
Barium	ND	2.5	EPA 6010D	6-4-21	6-4-21	
Silver	ND	1.0	EPA 6010D	6-4-21	6-4-21	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-025-02							
	ORIG	DUP						
Barium	32.1	30.8	NA	NA	NA	NA	4	20
Silver	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	MS	MSD	MS	MSD	MS	MSD	MS	MSD	RPD	RPD Limit	Flags
	05-025-02										
Barium	125	125	100	100	32.1	93	93	75-125	0	20	
Silver	21.5	22.4	25.0	25.0	ND	86	89	75-125	4	20	



Date of Report: June 11, 2021
Samples Submitted: June 3, 2021
Laboratory Reference: 2106-025B
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-59-5	06-025-01	19	6-3-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





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Chain of Custody

Turnaround Request
 (In working days)
 (Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 _____ (other)

Laboratory Number: **06-025**

06-025

Company: GeoEngineers
 Project Number: 6694-002-03 T700
 Project Name: Go East Corp Landfill Site
 Project Manager: Robert Garrett Legue
 Sampled by: Paul Robinette

Lab ID Sample Identification

1 LAEX-59-S
 2 LAEX-60-S

Date Sampled Time Sampled Matrix

6/3/21 1050 S
 6/3/21 1100 S

Number of Containers

	NWTPH-HCID		
	NWTPH-Gx/BTEX		
	NWTPH-Gx	X	X
	NWTPH-Dx (X Acid / SG Clean-up)	X	X
	Volatiles B260C	X	X
	Halogenated Volatiles 8260C		
	EDB EPA 8011 (Waters Only)		
	Semivolatiles 8270D/SIM (with low-level PAHs)	X	X
	PAHs 8270D/SIM (low-level)	X	X
	PCBs 8082A	X	X
	Organochlorine Pesticides 8081B	X	X
	Organophosphorus Pesticides 8270D/SIM		
	Chlorinated Acid Herbicides 8151A	X	X
	Total RCRA Metals		
	Total MTCA Metals		
	TCLP Metals		
	HEM (oil and grease) 1664A		
	TOTAL METALS *	X	X
	TOTAL Ba, Ag	X	X
	% Moisture	X	X

	Signature	Company	Date	Time	Comments/Special Instructions
Received	<i>[Signature]</i>	GeoEngineers	6/3/21	11:30	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc **PCBs as Aroclors ⊗ Added 6/9/21. 03 (2 days TAR)
Received	<i>[Signature]</i>	Speedy Alpha	6/3/21	12:55	
Received	<i>[Signature]</i>	Speedy Alpha	6/3/21	2:08	
Received	<i>[Signature]</i>	Speedy Alpha	6/3/21	14:08	
Received					

Reviewed/Date: _____

Reviewed/Date: _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 10, 2021

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-03 T700
Laboratory Reference No. 2106-061

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on June 8, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 10, 2021
Samples Submitted: June 8, 2021
Laboratory Reference: 2106-061
Project: 6694-002-03 T700

Case Narrative

Samples were collected on June 8, 2021 and received by the laboratory on June 8, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: June 10, 2021
Samples Submitted: June 8, 2021
Laboratory Reference: 2106-061
Project: 6694-002-03 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-61-6	06-061-01	Soil	6-8-21	6-8-21	
IAEX-62-5	06-061-02	Soil	6-8-21	6-8-21	
IAEX-63-4	06-061-03	Soil	6-8-21	6-8-21	



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-62-5					
Laboratory ID:	06-061-02					
Gasoline	ND	5.7	NWTPH-Gx	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	66-129				
Client ID:	IAEX-63-4					
Laboratory ID:	06-061-03					
Gasoline	ND	6.4	NWTPH-Gx	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-129				



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-62-5					
Laboratory ID:	06-061-02					
Diesel Range Organics	ND	30	NWTPH-Dx	6-9-21	6-9-21	X1
Lube Oil Range Organics	ND	60	NWTPH-Dx	6-9-21	6-9-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				
Client ID:	IAEX-63-4					
Laboratory ID:	06-061-03					
Diesel Range Organics	ND	29	NWTPH-Dx	6-9-21	6-9-21	X1
Lube Oil Range Organics	ND	58	NWTPH-Dx	6-9-21	6-9-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-62-5					
Laboratory ID:	06-061-02					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Chloromethane	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Bromomethane	ND	0.0068	EPA 8260D	6-9-21	6-9-21	
Chloroethane	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Acetone	0.053	0.010	EPA 8260D	6-9-21	6-9-21	
Iodomethane	ND	0.0084	EPA 8260D	6-9-21	6-9-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	6-9-21	6-9-21	
Methylene Chloride	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
2-Butanone	0.0087	0.0050	EPA 8260D	6-9-21	6-9-21	
Bromochloromethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Chloroform	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Benzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Trichloroethene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Dibromomethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Toluene	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-62-5					
Laboratory ID:	06-061-02					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
2-Hexanone	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Chlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Ethylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
m,p-Xylene	ND	0.0020	EPA 8260D	6-9-21	6-9-21	
o-Xylene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Styrene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Bromoform	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Bromobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Naphthalene	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	92	74-131				
<i>Toluene-d8</i>	98	78-128				
<i>4-Bromofluorobenzene</i>	92	71-130				



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-63-4					
Laboratory ID:	06-061-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Chloromethane	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Bromomethane	ND	0.0085	EPA 8260D	6-9-21	6-9-21	
Chloroethane	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Acetone	ND	0.012	EPA 8260D	6-9-21	6-9-21	
Iodomethane	ND	0.010	EPA 8260D	6-9-21	6-9-21	
Carbon Disulfide	ND	0.0016	EPA 8260D	6-9-21	6-9-21	
Methylene Chloride	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Vinyl Acetate	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
2-Butanone	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
Bromochloromethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Chloroform	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Benzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Trichloroethene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Dibromomethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Methyl Isobutyl Ketone	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
Toluene	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	



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 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-63-4					
Laboratory ID:	06-061-03					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
2-Hexanone	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Chlorobenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Ethylbenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
m,p-Xylene	ND	0.0025	EPA 8260D	6-9-21	6-9-21	
o-Xylene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Styrene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Bromoform	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Bromobenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
Hexachlorobutadiene	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
Naphthalene	ND	0.0062	EPA 8260D	6-9-21	6-9-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	74-131				
<i>Toluene-d8</i>	97	78-128				
<i>4-Bromofluorobenzene</i>	96	71-130				



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-62-5					
Laboratory ID:	06-061-02					
n-Nitrosodimethylamine	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Pyridine	ND	0.40	EPA 8270E	6-9-21	6-9-21	
Phenol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Aniline	ND	0.20	EPA 8270E	6-9-21	6-9-21	
bis(2-Chloroethyl)ether	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2-Chlorophenol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
1,3-Dichlorobenzene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
1,4-Dichlorobenzene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Benzyl alcohol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
1,2-Dichlorobenzene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2-Methylphenol (o-Cresol)	ND	0.040	EPA 8270E	6-9-21	6-9-21	
bis(2-Chloroisopropyl)ether	ND	0.040	EPA 8270E	6-9-21	6-9-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.040	EPA 8270E	6-9-21	6-9-21	
n-Nitroso-di-n-propylamine	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Hexachloroethane	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Nitrobenzene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Isophorone	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2-Nitrophenol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2,4-Dimethylphenol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
bis(2-Chloroethoxy)methane	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2,4-Dichlorophenol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
1,2,4-Trichlorobenzene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Naphthalene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
4-Chloroaniline	ND	0.20	EPA 8270E	6-9-21	6-9-21	
Hexachlorobutadiene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
4-Chloro-3-methylphenol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2-Methylnaphthalene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
1-Methylnaphthalene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
Hexachlorocyclopentadiene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2,4,6-Trichlorophenol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2,3-Dichloroaniline	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2,4,5-Trichlorophenol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2-Chloronaphthalene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2-Nitroaniline	ND	0.040	EPA 8270E	6-9-21	6-9-21	
1,4-Dinitrobenzene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Dimethylphthalate	ND	0.040	EPA 8270E	6-9-21	6-9-21	
1,3-Dinitrobenzene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2,6-Dinitrotoluene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
1,2-Dinitrobenzene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Acenaphthylene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
3-Nitroaniline	ND	0.040	EPA 8270E	6-9-21	6-9-21	



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-62-5					
Laboratory ID:	06-061-02					
2,4-Dinitrophenol	ND	0.20	EPA 8270E	6-9-21	6-9-21	
Acenaphthene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
4-Nitrophenol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2,4-Dinitrotoluene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Dibenzofuran	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2,3,5,6-Tetrachlorophenol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
2,3,4,6-Tetrachlorophenol	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Diethylphthalate	ND	0.20	EPA 8270E	6-9-21	6-9-21	
4-Chlorophenyl-phenylether	ND	0.040	EPA 8270E	6-9-21	6-9-21	
4-Nitroaniline	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Fluorene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
4,6-Dinitro-2-methylphenol	ND	0.20	EPA 8270E	6-9-21	6-9-21	
n-Nitrosodiphenylamine	ND	0.040	EPA 8270E	6-9-21	6-9-21	
1,2-Diphenylhydrazine	ND	0.040	EPA 8270E	6-9-21	6-9-21	
4-Bromophenyl-phenylether	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Hexachlorobenzene	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Pentachlorophenol	ND	0.20	EPA 8270E	6-9-21	6-9-21	
Phenanthrene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
Anthracene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
Carbazole	ND	0.040	EPA 8270E	6-9-21	6-9-21	
Di-n-butylphthalate	ND	0.20	EPA 8270E	6-9-21	6-9-21	
Fluoranthene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
Pyrene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
Butylbenzylphthalate	ND	0.20	EPA 8270E	6-9-21	6-9-21	
bis-2-Ethylhexyladipate	ND	0.20	EPA 8270E	6-9-21	6-9-21	
3,3'-Dichlorobenzidine	ND	0.20	EPA 8270E	6-9-21	6-9-21	
Benzo[a]anthracene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
Chrysene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
bis(2-Ethylhexyl)phthalate	ND	0.20	EPA 8270E	6-9-21	6-9-21	
Di-n-octylphthalate	ND	0.20	EPA 8270E	6-9-21	6-9-21	
Benzo[b]fluoranthene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
Benzo(j,k)fluoranthene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
Benzo[a]pyrene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
Indeno[1,2,3-cd]pyrene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
Dibenz[a,h]anthracene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
Benzo[g,h,i]perylene	ND	0.0079	EPA 8270E/SIM	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>85</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>93</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>92</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>98</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>114</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>100</i>	<i>41 - 115</i>				



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-63-4					
Laboratory ID:	06-061-03					
n-Nitrosodimethylamine	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Pyridine	ND	0.38	EPA 8270E	6-9-21	6-9-21	
Phenol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Aniline	ND	0.19	EPA 8270E	6-9-21	6-9-21	
bis(2-Chloroethyl)ether	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2-Chlorophenol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
1,3-Dichlorobenzene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
1,4-Dichlorobenzene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Benzyl alcohol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
1,2-Dichlorobenzene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2-Methylphenol (o-Cresol)	ND	0.038	EPA 8270E	6-9-21	6-9-21	
bis(2-Chloroisopropyl)ether	ND	0.038	EPA 8270E	6-9-21	6-9-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.038	EPA 8270E	6-9-21	6-9-21	
n-Nitroso-di-n-propylamine	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Hexachloroethane	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Nitrobenzene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Isophorone	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2-Nitrophenol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2,4-Dimethylphenol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
bis(2-Chloroethoxy)methane	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2,4-Dichlorophenol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
1,2,4-Trichlorobenzene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Naphthalene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
4-Chloroaniline	ND	0.19	EPA 8270E	6-9-21	6-9-21	
Hexachlorobutadiene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
4-Chloro-3-methylphenol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
1-Methylnaphthalene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
Hexachlorocyclopentadiene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2,4,6-Trichlorophenol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2,3-Dichloroaniline	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2,4,5-Trichlorophenol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2-Chloronaphthalene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2-Nitroaniline	ND	0.038	EPA 8270E	6-9-21	6-9-21	
1,4-Dinitrobenzene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Dimethylphthalate	ND	0.038	EPA 8270E	6-9-21	6-9-21	
1,3-Dinitrobenzene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2,6-Dinitrotoluene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
1,2-Dinitrobenzene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Acenaphthylene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
3-Nitroaniline	ND	0.038	EPA 8270E	6-9-21	6-9-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-63-4					
Laboratory ID:	06-061-03					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	6-9-21	6-9-21	
Acenaphthene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
4-Nitrophenol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2,4-Dinitrotoluene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Dibenzofuran	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2,3,5,6-Tetrachlorophenol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
2,3,4,6-Tetrachlorophenol	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Diethylphthalate	ND	0.19	EPA 8270E	6-9-21	6-9-21	
4-Chlorophenyl-phenylether	ND	0.038	EPA 8270E	6-9-21	6-9-21	
4-Nitroaniline	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Fluorene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270E	6-9-21	6-9-21	
n-Nitrosodiphenylamine	ND	0.038	EPA 8270E	6-9-21	6-9-21	
1,2-Diphenylhydrazine	ND	0.038	EPA 8270E	6-9-21	6-9-21	
4-Bromophenyl-phenylether	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Hexachlorobenzene	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Pentachlorophenol	ND	0.19	EPA 8270E	6-9-21	6-9-21	
Phenanthrene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
Anthracene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
Carbazole	ND	0.038	EPA 8270E	6-9-21	6-9-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	6-9-21	6-9-21	
Fluoranthene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
Pyrene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	6-9-21	6-9-21	
bis(2-Ethylhexyl)adipate	ND	0.19	EPA 8270E	6-9-21	6-9-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	6-9-21	6-9-21	
Benzo[a]anthracene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
Chrysene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	6-9-21	6-9-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	6-9-21	6-9-21	
Benzo[b]fluoranthene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
Benzo(j,k)fluoranthene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
Benzo[a]pyrene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
Indeno[1,2,3-cd]pyrene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
Dibenz[a,h]anthracene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
Benzo[g,h,i]perylene	ND	0.0077	EPA 8270E/SIM	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>71</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>76</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>75</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>83</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>101</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>100</i>	<i>41 - 115</i>				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-62-5					
Laboratory ID:	06-061-02					
Aroclor 1016	ND	0.059	EPA 8082A	6-9-21	6-9-21	
Aroclor 1221	ND	0.059	EPA 8082A	6-9-21	6-9-21	
Aroclor 1232	ND	0.059	EPA 8082A	6-9-21	6-9-21	
Aroclor 1242	ND	0.059	EPA 8082A	6-9-21	6-9-21	
Aroclor 1248	ND	0.059	EPA 8082A	6-9-21	6-9-21	
Aroclor 1254	ND	0.059	EPA 8082A	6-9-21	6-9-21	
Aroclor 1260	ND	0.059	EPA 8082A	6-9-21	6-9-21	

Surrogate: *Percent Recovery* *Control Limits*
 DCB 79 54-135

Client ID:	IAEX-63-4					
Laboratory ID:	06-061-03					
Aroclor 1016	ND	0.058	EPA 8082A	6-9-21	6-9-21	
Aroclor 1221	ND	0.058	EPA 8082A	6-9-21	6-9-21	
Aroclor 1232	ND	0.058	EPA 8082A	6-9-21	6-9-21	
Aroclor 1242	ND	0.058	EPA 8082A	6-9-21	6-9-21	
Aroclor 1248	ND	0.058	EPA 8082A	6-9-21	6-9-21	
Aroclor 1254	ND	0.058	EPA 8082A	6-9-21	6-9-21	
Aroclor 1260	ND	0.058	EPA 8082A	6-9-21	6-9-21	

Surrogate: *Percent Recovery* *Control Limits*
 DCB 92 54-135



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 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-62-5					
Laboratory ID:	06-061-02					
alpha-BHC	ND	5.9	EPA 8081B	6-9-21	6-9-21	
gamma-BHC	ND	5.9	EPA 8081B	6-9-21	6-9-21	
beta-BHC	ND	5.9	EPA 8081B	6-9-21	6-9-21	
delta-BHC	ND	5.9	EPA 8081B	6-9-21	6-9-21	
Heptachlor	ND	5.9	EPA 8081B	6-9-21	6-9-21	
Aldrin	ND	5.9	EPA 8081B	6-9-21	6-9-21	
Heptachlor Epoxide	ND	5.9	EPA 8081B	6-9-21	6-9-21	
gamma-Chlordane	ND	5.9	EPA 8081B	6-9-21	6-9-21	
alpha-Chlordane	ND	12	EPA 8081B	6-9-21	6-9-21	
4,4'-DDE	ND	12	EPA 8081B	6-9-21	6-9-21	
Endosulfan I	ND	5.9	EPA 8081B	6-9-21	6-9-21	
Dieldrin	ND	12	EPA 8081B	6-9-21	6-9-21	
Endrin	ND	5.9	EPA 8081B	6-9-21	6-9-21	
4,4'-DDD	ND	12	EPA 8081B	6-9-21	6-9-21	
Endosulfan II	ND	12	EPA 8081B	6-9-21	6-9-21	
4,4'-DDT	ND	12	EPA 8081B	6-9-21	6-9-21	
Endrin Aldehyde	ND	12	EPA 8081B	6-9-21	6-9-21	
Methoxychlor	ND	12	EPA 8081B	6-9-21	6-9-21	
Endosulfan Sulfate	ND	12	EPA 8081B	6-9-21	6-9-21	
Endrin Ketone	ND	12	EPA 8081B	6-9-21	6-9-21	
Toxaphene	ND	59	EPA 8081B	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	60	33-97				
DCB	84	36-115				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-63-4					
Laboratory ID:	06-061-03					
alpha-BHC	ND	5.8	EPA 8081B	6-9-21	6-9-21	
gamma-BHC	ND	5.8	EPA 8081B	6-9-21	6-9-21	
beta-BHC	ND	5.8	EPA 8081B	6-9-21	6-9-21	
delta-BHC	ND	5.8	EPA 8081B	6-9-21	6-9-21	
Heptachlor	ND	5.8	EPA 8081B	6-9-21	6-9-21	
Aldrin	ND	5.8	EPA 8081B	6-9-21	6-9-21	
Heptachlor Epoxide	ND	5.8	EPA 8081B	6-9-21	6-9-21	
gamma-Chlordane	ND	5.8	EPA 8081B	6-9-21	6-9-21	
alpha-Chlordane	ND	12	EPA 8081B	6-9-21	6-9-21	
4,4'-DDE	ND	12	EPA 8081B	6-9-21	6-9-21	
Endosulfan I	ND	5.8	EPA 8081B	6-9-21	6-9-21	
Dieldrin	ND	12	EPA 8081B	6-9-21	6-9-21	
Endrin	ND	5.8	EPA 8081B	6-9-21	6-9-21	
4,4'-DDD	ND	12	EPA 8081B	6-9-21	6-9-21	
Endosulfan II	ND	12	EPA 8081B	6-9-21	6-9-21	
4,4'-DDT	ND	12	EPA 8081B	6-9-21	6-9-21	
Endrin Aldehyde	ND	12	EPA 8081B	6-9-21	6-9-21	
Methoxychlor	ND	12	EPA 8081B	6-9-21	6-9-21	
Endosulfan Sulfate	ND	12	EPA 8081B	6-9-21	6-9-21	
Endrin Ketone	ND	12	EPA 8081B	6-9-21	6-9-21	
Toxaphene	ND	58	EPA 8081B	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	66	33-97				
DCB	87	36-115				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-62-5					
Laboratory ID:	06-061-02					
Dalapon	ND	220	EPA 8151A	6-9-21	6-9-21	
Dicamba	ND	11	EPA 8151A	6-9-21	6-9-21	
MCPD	ND	1100	EPA 8151A	6-9-21	6-9-21	
MCPA	ND	2800	EPA 8151A	6-9-21	6-9-21	
Dichlorprop	ND	84	EPA 8151A	6-9-21	6-9-21	
2,4-D	ND	11	EPA 8151A	6-9-21	6-9-21	
Pentachlorophenol	ND	5.7	EPA 8151A	6-9-21	6-9-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	6-9-21	6-9-21	
2,4,5-T	ND	11	EPA 8151A	6-9-21	6-9-21	
2,4-DB	ND	11	EPA 8151A	6-9-21	6-9-21	
Dinoseb	ND	11	EPA 8151A	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	76	27-134				
Client ID:	IAEX-63-4					
Laboratory ID:	06-061-03					
Dalapon	ND	210	EPA 8151A	6-9-21	6-9-21	
Dicamba	ND	11	EPA 8151A	6-9-21	6-9-21	
MCPD	ND	1100	EPA 8151A	6-9-21	6-9-21	
MCPA	ND	2700	EPA 8151A	6-9-21	6-9-21	
Dichlorprop	ND	82	EPA 8151A	6-9-21	6-9-21	
2,4-D	ND	11	EPA 8151A	6-9-21	6-9-21	
Pentachlorophenol	ND	5.5	EPA 8151A	6-9-21	6-9-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	6-9-21	6-9-21	
2,4,5-T	ND	11	EPA 8151A	6-9-21	6-9-21	
2,4-DB	ND	11	EPA 8151A	6-9-21	6-9-21	
Dinoseb	ND	11	EPA 8151A	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	75	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-61-6					
Laboratory ID:	06-061-01					
Chromium	30	0.59	EPA 6010D	6-10-21	6-10-21	
Copper	9.1	1.2	EPA 6010D	6-10-21	6-10-21	
Mercury	ND	0.024	EPA 7471B	6-10-21	6-10-21	
Zinc	25	3.0	EPA 6010D	6-10-21	6-10-21	

Client ID:	IAEX-62-5					
Laboratory ID:	06-061-02					
Arsenic	ND	12	EPA 6010D	6-10-21	6-10-21	
Cadmium	ND	0.59	EPA 6010D	6-10-21	6-10-21	
Chromium	27	0.59	EPA 6010D	6-10-21	6-10-21	
Copper	8.4	1.2	EPA 6010D	6-10-21	6-10-21	
Lead	ND	5.9	EPA 6010D	6-10-21	6-10-21	
Mercury	0.025	0.024	EPA 7471B	6-10-21	6-10-21	
Nickel	36	3.0	EPA 6010D	6-10-21	6-10-21	
Selenium	ND	0.59	EPA 6020B	6-10-21	6-10-21	
Zinc	22	3.0	EPA 6010D	6-10-21	6-10-21	

Client ID:	IAEX-63-4					
Laboratory ID:	06-061-03					
Arsenic	ND	12	EPA 6010D	6-10-21	6-10-21	
Cadmium	ND	0.58	EPA 6010D	6-10-21	6-10-21	
Chromium	26	0.58	EPA 6010D	6-10-21	6-10-21	
Copper	8.5	1.2	EPA 6010D	6-10-21	6-10-21	
Lead	ND	5.8	EPA 6010D	6-10-21	6-10-21	
Mercury	ND	0.023	EPA 7471B	6-10-21	6-10-21	
Nickel	35	2.9	EPA 6010D	6-10-21	6-10-21	
Selenium	ND	0.58	EPA 6020B	6-10-21	6-10-21	
Zinc	23	2.9	EPA 6010D	6-10-21	6-10-21	



Date of Report: June 10, 2021
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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0609S1					
Gasoline	ND	5.0	NWTPH-Gx	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-061-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				99	98	66-129		



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0609S1					
Diesel Range Organics	ND	25	NWTPH-Dx	6-9-21	6-9-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	6-9-21	6-9-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>94</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0609S1							
	ORIG	DUP						
Diesel Fuel #2	99.4	96.0	NA	NA	NA	NA	3	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				105	100	50-150		



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0609S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Chloromethane	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Bromomethane	ND	0.0068	EPA 8260D	6-9-21	6-9-21	
Chloroethane	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Acetone	ND	0.010	EPA 8260D	6-9-21	6-9-21	
Iodomethane	ND	0.0084	EPA 8260D	6-9-21	6-9-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	6-9-21	6-9-21	
Methylene Chloride	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
2-Butanone	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Bromochloromethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Chloroform	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Benzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Trichloroethene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Dibromomethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Toluene	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	



Date of Report: June 10, 2021
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 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0609S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
2-Hexanone	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Chlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Ethylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
m,p-Xylene	ND	0.0020	EPA 8260D	6-9-21	6-9-21	
o-Xylene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Styrene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Bromoform	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Bromobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
Naphthalene	ND	0.0050	EPA 8260D	6-9-21	6-9-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-130</i>				



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0609S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0541	0.0539	0.0500	0.0500	108	108	71-131	0	19	
Benzene	0.0482	0.0477	0.0500	0.0500	96	95	73-124	1	18	
Trichloroethene	0.0529	0.0517	0.0500	0.0500	106	103	79-130	2	18	
Toluene	0.0498	0.0494	0.0500	0.0500	100	99	76-123	1	18	
Chlorobenzene	0.0514	0.0499	0.0500	0.0500	103	100	78-122	3	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					93	91	74-131			
<i>Toluene-d8</i>					97	97	78-128			
<i>4-Bromofluorobenzene</i>					107	101	71-130			



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0609S1					
n-Nitrosodimethylamine	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Pyridine	ND	0.20	EPA 8270E	6-9-21	6-9-21	
Phenol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Aniline	ND	0.10	EPA 8270E	6-9-21	6-9-21	
bis(2-Chloroethyl)ether	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2-Chlorophenol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
1,3-Dichlorobenzene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
1,4-Dichlorobenzene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Benzyl alcohol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
1,2-Dichlorobenzene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2-Methylphenol (o-Cresol)	ND	0.020	EPA 8270E	6-9-21	6-9-21	
bis(2-Chloroisopropyl)ether	ND	0.020	EPA 8270E	6-9-21	6-9-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.020	EPA 8270E	6-9-21	6-9-21	
n-Nitroso-di-n-propylamine	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Hexachloroethane	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Nitrobenzene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Isophorone	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2-Nitrophenol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2,4-Dimethylphenol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
bis(2-Chloroethoxy)methane	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2,4-Dichlorophenol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
1,2,4-Trichlorobenzene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Naphthalene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
4-Chloroaniline	ND	0.10	EPA 8270E	6-9-21	6-9-21	
Hexachlorobutadiene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
4-Chloro-3-methylphenol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2-Methylnaphthalene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
1-Methylnaphthalene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
Hexachlorocyclopentadiene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2,4,6-Trichlorophenol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2,3-Dichloroaniline	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2,4,5-Trichlorophenol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2-Chloronaphthalene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2-Nitroaniline	ND	0.020	EPA 8270E	6-9-21	6-9-21	
1,4-Dinitrobenzene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Dimethylphthalate	ND	0.020	EPA 8270E	6-9-21	6-9-21	
1,3-Dinitrobenzene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2,6-Dinitrotoluene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
1,2-Dinitrobenzene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Acenaphthylene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
3-Nitroaniline	ND	0.020	EPA 8270E	6-9-21	6-9-21	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0609S1					
2,4-Dinitrophenol	ND	0.10	EPA 8270E	6-9-21	6-9-21	
Acenaphthene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
4-Nitrophenol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2,4-Dinitrotoluene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Dibenzofuran	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2,3,5,6-Tetrachlorophenol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
2,3,4,6-Tetrachlorophenol	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Diethylphthalate	ND	0.10	EPA 8270E	6-9-21	6-9-21	
4-Chlorophenyl-phenylether	ND	0.020	EPA 8270E	6-9-21	6-9-21	
4-Nitroaniline	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Fluorene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
4,6-Dinitro-2-methylphenol	ND	0.10	EPA 8270E	6-9-21	6-9-21	
n-Nitrosodiphenylamine	ND	0.020	EPA 8270E	6-9-21	6-9-21	
1,2-Diphenylhydrazine	ND	0.020	EPA 8270E	6-9-21	6-9-21	
4-Bromophenyl-phenylether	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Hexachlorobenzene	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Pentachlorophenol	ND	0.10	EPA 8270E	6-9-21	6-9-21	
Phenanthrene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
Anthracene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
Carbazole	ND	0.020	EPA 8270E	6-9-21	6-9-21	
Di-n-butylphthalate	ND	0.10	EPA 8270E	6-9-21	6-9-21	
Fluoranthene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
Pyrene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
Butylbenzylphthalate	ND	0.10	EPA 8270E	6-9-21	6-9-21	
bis-2-Ethylhexyladipate	ND	0.10	EPA 8270E	6-9-21	6-9-21	
3,3'-Dichlorobenzidine	ND	0.10	EPA 8270E	6-9-21	6-9-21	
Benzo[a]anthracene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
Chrysene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
bis(2-Ethylhexyl)phthalate	ND	0.10	EPA 8270E	6-9-21	6-9-21	
Di-n-octylphthalate	ND	0.10	EPA 8270E	6-9-21	6-9-21	
Benzo[b]fluoranthene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
Benzo(j,k)fluoranthene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
Benzo[a]pyrene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
Indeno[1,2,3-cd]pyrene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
Dibenz[a,h]anthracene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
Benzo[g,h,i]perylene	ND	0.0040	EPA 8270E/SIM	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	81	26 - 109				
Phenol-d6	91	33 - 113				
Nitrobenzene-d5	85	31 - 110				
2-Fluorobiphenyl	98	42 - 107				
2,4,6-Tribromophenol	117	42 - 123				
Terphenyl-d14	104	41 - 115				



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	06-061-03										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.927	0.962	1.33	1.33	ND	70	72	33 - 105	4	36	
2-Chlorophenol	1.00	1.03	1.33	1.33	ND	75	77	36 - 105	3	38	
1,4-Dichlorobenzene	0.502	0.495	0.667	0.667	ND	75	74	27 - 106	1	40	
n-Nitroso-di-n-propylamine	0.481	0.495	0.667	0.667	ND	72	74	28 - 111	3	35	
1,2,4-Trichlorobenzene	0.541	0.538	0.667	0.667	ND	81	81	37 - 104	1	41	
4-Chloro-3-methylphenol	1.12	1.09	1.33	1.33	ND	84	82	42 - 113	3	25	
Acenaphthene	0.520	0.540	0.667	0.667	ND	78	81	36 - 104	4	23	
4-Nitrophenol	1.26	1.30	1.33	1.33	ND	95	98	22 - 135	3	24	
2,4-Dinitrotoluene	0.524	0.539	0.667	0.667	ND	79	81	25 - 114	3	26	
Pentachlorophenol	1.26	1.30	1.33	1.33	ND	95	98	28 - 135	3	28	
Pyrene	0.567	0.564	0.667	0.667	ND	85	85	29 - 127	1	20	
<i>Surrogate:</i>											
2-Fluorophenol						79	81	26 - 109			
Phenol-d6						82	85	33 - 113			
Nitrobenzene-d5						85	84	31 - 110			
2-Fluorobiphenyl						83	87	42 - 107			
2,4,6-Tribromophenol						98	99	42 - 123			
Terphenyl-d14						87	87	41 - 115			



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0609S2					
Aroclor 1016	ND	0.050	EPA 8082A	6-9-21	6-9-21	
Aroclor 1221	ND	0.050	EPA 8082A	6-9-21	6-9-21	
Aroclor 1232	ND	0.050	EPA 8082A	6-9-21	6-9-21	
Aroclor 1242	ND	0.050	EPA 8082A	6-9-21	6-9-21	
Aroclor 1248	ND	0.050	EPA 8082A	6-9-21	6-9-21	
Aroclor 1254	ND	0.050	EPA 8082A	6-9-21	6-9-21	
Aroclor 1260	ND	0.050	EPA 8082A	6-9-21	6-9-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	84		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	06-061-02										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.437	0.401	0.500	0.500	ND	87	80	62-129	9	15	
Surrogate:											
DCB						84	76	54-135			



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0609S2					
alpha-BHC	ND	5.0	EPA 8081B	6-9-21	6-9-21	
gamma-BHC	ND	5.0	EPA 8081B	6-9-21	6-9-21	
beta-BHC	ND	5.0	EPA 8081B	6-9-21	6-9-21	
delta-BHC	ND	5.0	EPA 8081B	6-9-21	6-9-21	
Heptachlor	ND	5.0	EPA 8081B	6-9-21	6-9-21	
Aldrin	ND	5.0	EPA 8081B	6-9-21	6-9-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	6-9-21	6-9-21	
gamma-Chlordane	ND	5.0	EPA 8081B	6-9-21	6-9-21	
alpha-Chlordane	ND	10	EPA 8081B	6-9-21	6-9-21	
4,4'-DDE	ND	10	EPA 8081B	6-9-21	6-9-21	
Endosulfan I	ND	5.0	EPA 8081B	6-9-21	6-9-21	
Dieldrin	ND	10	EPA 8081B	6-9-21	6-9-21	
Endrin	ND	5.0	EPA 8081B	6-9-21	6-9-21	
4,4'-DDD	ND	10	EPA 8081B	6-9-21	6-9-21	
Endosulfan II	ND	10	EPA 8081B	6-9-21	6-9-21	
4,4'-DDT	ND	10	EPA 8081B	6-9-21	6-9-21	
Endrin Aldehyde	ND	10	EPA 8081B	6-9-21	6-9-21	
Methoxychlor	ND	10	EPA 8081B	6-9-21	6-9-21	
Endosulfan Sulfate	ND	10	EPA 8081B	6-9-21	6-9-21	
Endrin Ketone	ND	10	EPA 8081B	6-9-21	6-9-21	
Toxaphene	ND	50	EPA 8081B	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	73	33-97				
DCB	93	36-115				



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	06-061-03										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	72.3	70.6	100	100	ND	72	71	36-123	2	21	
gamma-BHC	73.3	71.3	100	100	ND	73	71	38-121	3	21	
beta-BHC	67.7	63.4	100	100	ND	68	63	31-125	7	21	
delta-BHC	74.6	73.1	100	100	ND	75	73	37-118	2	23	
Heptachlor	81.6	80.0	100	100	ND	82	80	37-123	2	24	
Aldrin	73.2	71.0	100	100	ND	73	71	44-112	3	22	
Heptachlor Epoxide	85.7	84.1	100	100	ND	86	84	46-110	2	22	
gamma-Chlordane	72.7	71.8	100	100	ND	73	72	45-112	1	23	
alpha-Chlordane	69.0	68.1	100	100	ND	69	68	47-106	1	23	
4,4'-DDE	76.2	74.4	100	100	ND	76	74	34-139	2	22	
Endosulfan I	72.9	71.7	100	100	ND	73	72	46-115	2	25	
Dieldrin	86.0	84.8	100	100	ND	86	85	48-115	1	23	
Endrin	86.9	85.2	100	100	ND	87	85	44-120	2	28	
4,4'-DDD	68.6	68.6	100	100	ND	69	69	42-131	0	21	
Endosulfan II	89.9	88.5	100	100	ND	90	89	47-109	2	22	
4,4'-DDT	68.5	68.3	100	100	ND	68	68	29-135	0	32	
Endrin Aldehyde	73.4	72.5	100	100	ND	73	72	45-99	1	22	
Methoxychlor	73.5	72.4	100	100	ND	73	72	40-132	2	22	
Endosulfan Sulfate	69.7	68.6	100	100	ND	70	69	47-105	2	21	
Endrin Ketone	72.2	72.1	100	100	ND	72	72	46-115	0	22	
Surrogate:											
TCMX						66	62	33-97			
DCB						89	88	36-115			



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0609S1					
Dalapon	ND	180	EPA 8151A	6-9-21	6-9-21	
Dicamba	ND	9.4	EPA 8151A	6-9-21	6-9-21	
MCPPP	ND	940	EPA 8151A	6-9-21	6-9-21	
MCPA	ND	2300	EPA 8151A	6-9-21	6-9-21	
Dichlorprop	ND	71	EPA 8151A	6-9-21	6-9-21	
2,4-D	ND	9.4	EPA 8151A	6-9-21	6-9-21	
Pentachlorophenol	ND	4.8	EPA 8151A	6-9-21	6-9-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	6-9-21	6-9-21	
2,4,5-T	ND	9.5	EPA 8151A	6-9-21	6-9-21	
2,4-DB	ND	9.5	EPA 8151A	6-9-21	6-9-21	
Dinoseb	ND	9.5	EPA 8151A	6-9-21	6-9-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	75	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0609S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	536	720	1250	1250	N/A	43	58	10-68 29 38
Dicamba	210	217	250	250	N/A	84	87	52-101 3 18
MCPPP	20000	19500	25000	25000	N/A	80	78	63-105 3 21
MCPA	19200	18700	25000	25000	N/A	77	75	45-107 3 21
Dichlorprop	188	185	250	250	N/A	75	74	54-106 2 18
2,4-D	161	167	250	250	N/A	64	67	33-95 4 25
Pentachlorophenol	23.3	23.5	25.0	25.0	N/A	93	94	48-125 1 20
2,4,5-TP (Silvex)	223	223	250	250	N/A	89	89	62-115 0 17
2,4,5-T	192	197	250	250	N/A	77	79	48-108 3 21
2,4-DB	174	169	250	250	N/A	70	68	45-114 3 23
Dinoseb	214	211	250	250	N/A	86	84	51-124 1 27
<i>Surrogate:</i>								
DCAA						86	88	27-134



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0610SM1					
Arsenic	ND	10	EPA 6010D	6-10-21	6-10-21	
Cadmium	ND	0.50	EPA 6010D	6-10-21	6-10-21	
Chromium	ND	0.50	EPA 6010D	6-10-21	6-10-21	
Copper	ND	1.0	EPA 6010D	6-10-21	6-10-21	
Lead	ND	5.0	EPA 6010D	6-10-21	6-10-21	
Nickel	ND	2.5	EPA 6010D	6-10-21	6-10-21	
Zinc	ND	2.5	EPA 6010D	6-10-21	6-10-21	
Laboratory ID:	MB0610SM2					
Selenium	ND	0.50	EPA 6020B	6-10-21	6-10-21	
Laboratory ID:	MB0610S1					
Mercury	ND	0.020	EPA 7471B	6-10-21	6-10-21	



Date of Report: June 10, 2021
 Samples Submitted: June 8, 2021
 Laboratory Reference: 2106-061
 Project: 6694-002-03 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	06-061-03									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	22.7	22.7	NA	NA		NA	NA	0	20	
Copper	7.40	7.00	NA	NA		NA	NA	6	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	30.5	28.1	NA	NA		NA	NA	8	20	
Zinc	19.5	19.2	NA	NA		NA	NA	2	20	

Laboratory ID:	06-061-03									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	06-061-03									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	06-061-03									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	92.3	87.3	100	100	ND	92	87	75-125	6	20
Cadmium	46.8	44.9	50.0	50.0	ND	94	90	75-125	4	20
Chromium	116	111	100	100	22.7	93	88	75-125	4	20
Copper	54.3	51.8	50.0	50.0	7.40	94	89	75-125	5	20
Lead	225	215	250	250	ND	90	86	75-125	4	20
Nickel	121	115	100	100	30.5	91	84	75-125	5	20
Zinc	112	107	100	100	19.5	93	87	75-125	5	20

Laboratory ID:	06-061-03									
Selenium	87.8	91.0	100	100	ND	88	91	75-125	4	20

Laboratory ID:	06-061-03									
Mercury	0.603	0.570	0.500	0.500	0.0167	117	111	80-120	6	20



Date of Report: June 10, 2021
Samples Submitted: June 8, 2021
Laboratory Reference: 2106-061
Project: 6694-002-03 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-61-6	06-061-01	16	6-9-21
IAEX-62-5	06-061-02	16	6-9-21
IAEX-63-4	06-061-03	13	6-9-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





Onsite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(In working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)
- _____ (other)

Laboratory Number: **06-061**

06-061

Company: GeoEngineers

Project Number: 6694-002-03 T700

Project Name: Go East Corp Landfill Site

Project Manager: Robteer ⁹³ Garrett Leque

Sampled by: Paul Robinette

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
--------	-----------------------	--------------	--------------	--------	----------------------

1	IAEX-61-6	6/8/21	1045	S	2
2	IAEX-62-5	6/8/21	1115	S	6
3	IAEX-63-4	6/8/21	1300	S	6

	NWTPH-HCID	
	NWTPH-Gx/BTEX	
	NWTPH-Gx	
	NWTPH-Dx (Acid / SG Clean-up)	X
	Volatiles 8260C	X
	Halogenated Volatiles 8260C	X
	EDB EPA 8011 (Waters Only)	X
	Semivolatiles 8270D/SIM (with low-level PAHs)	X
	PAHs 8270D/SIM (low-level)	X
	PCBs 8082A	X
	Organochlorine Pesticides 8081B	X
	Organophosphorus Pesticides 8270D/SIM	X
	Chlorinated Acid Herbicides 8151A	X
	Total RCRA Metals	
	Total MTCA Metals	
	TCLP Metals	
	HEM (oil and grease) 1664A	
	Total Metal - (2)	X
	Total metals *	X
	% Moisture	

Signature	Company	Date	Time	Comments/Special Instructions
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Received: [Signature] Geo 6/8/21 14:55

Received: [Signature] #17 6/8/21 14:56

Received: [Signature] Geo 6/8/21 3:48 PM

Received: [Signature] Geo 6/8/21 1540

Received: [Signature] Geo 6/8/21 1540

Received: [Signature] Geo 6/8/21 1540

Received: [Signature] Geo 6/8/21 1540

Received: [Signature] Geo 6/8/21 1540

Received: [Signature] Geo 6/8/21 1540

Received: [Signature] Geo 6/8/21 1540

Reviewed/Date: _____

Reviewed/Date: _____

Reviewed/Date: _____

Reviewed/Date: _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 16, 2021

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2106-113

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on June 11, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 16, 2021
Samples Submitted: June 11, 2021
Laboratory Reference: 2106-113
Project: 6694-002-05 T700

Case Narrative

Samples were collected on June 11, 2021 and received by the laboratory on June 11, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: June 16, 2021
Samples Submitted: June 11, 2021
Laboratory Reference: 2106-113
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-64-8	06-113-01	Soil	6-11-21	6-11-21	
IAEX-65-15	06-113-02	Soil	6-11-21	6-11-21	



Date of Report: June 16, 2021
 Samples Submitted: June 11, 2021
 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-64-8					
Laboratory ID:	06-113-01					
Gasoline	ND	8.2	NWTPH-Gx	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	101	66-129				
Client ID:	IAEX-65-15					
Laboratory ID:	06-113-02					
Gasoline	ND	8.5	NWTPH-Gx	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	66-129				



Date of Report: June 16, 2021
 Samples Submitted: June 11, 2021
 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-64-8					
Laboratory ID:	06-113-01					
Diesel Range Organics	ND	33	NWTPH-Dx	6-14-21	6-14-21	X1
Lube Oil Range Organics	ND	66	NWTPH-Dx	6-14-21	6-14-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				
Client ID:	IAEX-65-15					
Laboratory ID:	06-113-02					
Diesel Range Organics	ND	33	NWTPH-Dx	6-14-21	6-14-21	X1
Lube Oil Range Organics	ND	65	NWTPH-Dx	6-14-21	6-14-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				



Date of Report: June 16, 2021
 Samples Submitted: June 11, 2021
 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-64-8					
Laboratory ID:	06-113-01					
Dichlorodifluoromethane	ND	0.0019	EPA 8260D	6-14-21	6-14-21	
Chloromethane	ND	0.0086	EPA 8260D	6-14-21	6-14-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Bromomethane	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
Chloroethane	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Acetone	ND	0.013	EPA 8260D	6-14-21	6-14-21	
Iodomethane	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Methylene Chloride	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Vinyl Acetate	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
2-Butanone	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
Bromochloromethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Chloroform	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Benzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Trichloroethene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Dibromomethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Methyl Isobutyl Ketone	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
Toluene	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	



Date of Report: June 16, 2021
 Samples Submitted: June 11, 2021
 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-64-8					
Laboratory ID:	06-113-01					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
2-Hexanone	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Chlorobenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Ethylbenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
m,p-Xylene	ND	0.0025	EPA 8260D	6-14-21	6-14-21	
o-Xylene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Styrene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Bromoform	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Bromobenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
1,2-Dibromo-3-chloropropane	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
Hexachlorobutadiene	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
Naphthalene	ND	0.0063	EPA 8260D	6-14-21	6-14-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	96	74-131				
<i>Toluene-d8</i>	98	78-128				
<i>4-Bromofluorobenzene</i>	104	71-130				



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 Project: 6694-002-05 T700

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-65-15					
Laboratory ID:	06-113-02					
Dichlorodifluoromethane	ND	0.0015	EPA 8260D	6-14-21	6-14-21	
Chloromethane	ND	0.0071	EPA 8260D	6-14-21	6-14-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Bromomethane	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
Chloroethane	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Acetone	ND	0.010	EPA 8260D	6-14-21	6-14-21	
Iodomethane	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Methylene Chloride	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Vinyl Acetate	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
2-Butanone	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
Bromochloromethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Chloroform	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Benzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Trichloroethene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Dibromomethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Methyl Isobutyl Ketone	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
Toluene	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-65-15					
Laboratory ID:	06-113-02					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
2-Hexanone	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Chlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Ethylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
m,p-Xylene	ND	0.0021	EPA 8260D	6-14-21	6-14-21	
o-Xylene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Styrene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Bromoform	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Bromobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Hexachlorobutadiene	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
Naphthalene	ND	0.0051	EPA 8260D	6-14-21	6-14-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-130</i>				



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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-64-8					
Laboratory ID:	06-113-01					
n-Nitrosodimethylamine	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Pyridine	ND	0.44	EPA 8270E	6-14-21	6-14-21	
Phenol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Aniline	ND	0.22	EPA 8270E	6-14-21	6-14-21	
bis(2-Chloroethyl)ether	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2-Chlorophenol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
1,3-Dichlorobenzene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
1,4-Dichlorobenzene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Benzyl alcohol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
1,2-Dichlorobenzene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2-Methylphenol (o-Cresol)	ND	0.044	EPA 8270E	6-14-21	6-14-21	
bis(2-Chloroisopropyl)ether	ND	0.044	EPA 8270E	6-14-21	6-14-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.044	EPA 8270E	6-14-21	6-14-21	
n-Nitroso-di-n-propylamine	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Hexachloroethane	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Nitrobenzene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Isophorone	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2-Nitrophenol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2,4-Dimethylphenol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
bis(2-Chloroethoxy)methane	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2,4-Dichlorophenol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
1,2,4-Trichlorobenzene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Naphthalene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
4-Chloroaniline	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Hexachlorobutadiene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
4-Chloro-3-methylphenol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2-Methylnaphthalene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
1-Methylnaphthalene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
Hexachlorocyclopentadiene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2,4,6-Trichlorophenol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2,3-Dichloroaniline	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2,4,5-Trichlorophenol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2-Chloronaphthalene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2-Nitroaniline	ND	0.044	EPA 8270E	6-14-21	6-14-21	
1,4-Dinitrobenzene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Dimethylphthalate	ND	0.044	EPA 8270E	6-14-21	6-14-21	
1,3-Dinitrobenzene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2,6-Dinitrotoluene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
1,2-Dinitrobenzene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Acenaphthylene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
3-Nitroaniline	ND	0.044	EPA 8270E	6-14-21	6-14-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-64-8					
Laboratory ID:	06-113-01					
2,4-Dinitrophenol	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Acenaphthene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
4-Nitrophenol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2,4-Dinitrotoluene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Dibenzofuran	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2,3,5,6-Tetrachlorophenol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
2,3,4,6-Tetrachlorophenol	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Diethylphthalate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
4-Chlorophenyl-phenylether	ND	0.044	EPA 8270E	6-14-21	6-14-21	
4-Nitroaniline	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Fluorene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
4,6-Dinitro-2-methylphenol	ND	0.22	EPA 8270E	6-14-21	6-14-21	
n-Nitrosodiphenylamine	ND	0.044	EPA 8270E	6-14-21	6-14-21	
1,2-Diphenylhydrazine	ND	0.044	EPA 8270E	6-14-21	6-14-21	
4-Bromophenyl-phenylether	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Hexachlorobenzene	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Pentachlorophenol	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Phenanthrene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
Anthracene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
Carbazole	ND	0.044	EPA 8270E	6-14-21	6-14-21	
Di-n-butylphthalate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Fluoranthene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
Pyrene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
Butylbenzylphthalate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
bis-2-Ethylhexyladipate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
3,3'-Dichlorobenzidine	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Benzo[a]anthracene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
Chrysene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
bis(2-Ethylhexyl)phthalate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Di-n-octylphthalate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Benzo[b]fluoranthene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
Benzo(j,k)fluoranthene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
Benzo[a]pyrene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
Indeno[1,2,3-cd]pyrene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
Dibenz[a,h]anthracene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
Benzo[g,h,i]perylene	ND	0.0089	EPA 8270E/SIM	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>82</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>88</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>88</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>83</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>107</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>84</i>	<i>41 - 115</i>				



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 Project: 6694-002-05 T700

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-65-15					
Laboratory ID:	06-113-02					
n-Nitrosodimethylamine	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Pyridine	ND	0.43	EPA 8270E	6-14-21	6-14-21	
Phenol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Aniline	ND	0.22	EPA 8270E	6-14-21	6-14-21	
bis(2-Chloroethyl)ether	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2-Chlorophenol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
1,3-Dichlorobenzene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
1,4-Dichlorobenzene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Benzyl alcohol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
1,2-Dichlorobenzene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2-Methylphenol (o-Cresol)	ND	0.043	EPA 8270E	6-14-21	6-14-21	
bis(2-Chloroisopropyl)ether	ND	0.043	EPA 8270E	6-14-21	6-14-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.043	EPA 8270E	6-14-21	6-14-21	
n-Nitroso-di-n-propylamine	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Hexachloroethane	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Nitrobenzene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Isophorone	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2-Nitrophenol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2,4-Dimethylphenol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
bis(2-Chloroethoxy)methane	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2,4-Dichlorophenol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
1,2,4-Trichlorobenzene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Naphthalene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
4-Chloroaniline	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Hexachlorobutadiene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
4-Chloro-3-methylphenol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2-Methylnaphthalene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
1-Methylnaphthalene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
Hexachlorocyclopentadiene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2,4,6-Trichlorophenol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2,3-Dichloroaniline	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2,4,5-Trichlorophenol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2-Chloronaphthalene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2-Nitroaniline	ND	0.043	EPA 8270E	6-14-21	6-14-21	
1,4-Dinitrobenzene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Dimethylphthalate	ND	0.043	EPA 8270E	6-14-21	6-14-21	
1,3-Dinitrobenzene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2,6-Dinitrotoluene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
1,2-Dinitrobenzene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Acenaphthylene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
3-Nitroaniline	ND	0.043	EPA 8270E	6-14-21	6-14-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-65-15					
Laboratory ID:	06-113-02					
2,4-Dinitrophenol	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Acenaphthene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
4-Nitrophenol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2,4-Dinitrotoluene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Dibenzofuran	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2,3,5,6-Tetrachlorophenol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
2,3,4,6-Tetrachlorophenol	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Diethylphthalate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
4-Chlorophenyl-phenylether	ND	0.043	EPA 8270E	6-14-21	6-14-21	
4-Nitroaniline	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Fluorene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
4,6-Dinitro-2-methylphenol	ND	0.22	EPA 8270E	6-14-21	6-14-21	
n-Nitrosodiphenylamine	ND	0.043	EPA 8270E	6-14-21	6-14-21	
1,2-Diphenylhydrazine	ND	0.043	EPA 8270E	6-14-21	6-14-21	
4-Bromophenyl-phenylether	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Hexachlorobenzene	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Pentachlorophenol	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Phenanthrene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
Anthracene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
Carbazole	ND	0.043	EPA 8270E	6-14-21	6-14-21	
Di-n-butylphthalate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Fluoranthene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
Pyrene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
Butylbenzylphthalate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
bis-2-Ethylhexyladipate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
3,3'-Dichlorobenzidine	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Benzo[a]anthracene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
Chrysene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
bis(2-Ethylhexyl)phthalate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Di-n-octylphthalate	ND	0.22	EPA 8270E	6-14-21	6-14-21	
Benzo[b]fluoranthene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
Benzo(j,k)fluoranthene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
Benzo[a]pyrene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
Indeno[1,2,3-cd]pyrene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
Dibenz[a,h]anthracene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
Benzo[g,h,i]perylene	ND	0.0087	EPA 8270E/SIM	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>69</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>75</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>76</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>75</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>100</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>79</i>	<i>41 - 115</i>				



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 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-64-8					
Laboratory ID:	06-113-01					
Aroclor 1016	ND	0.027	EPA 8082A	6-14-21	6-15-21	
Aroclor 1221	ND	0.027	EPA 8082A	6-14-21	6-15-21	
Aroclor 1232	ND	0.027	EPA 8082A	6-14-21	6-15-21	
Aroclor 1242	ND	0.027	EPA 8082A	6-14-21	6-15-21	
Aroclor 1248	ND	0.027	EPA 8082A	6-14-21	6-15-21	
Aroclor 1254	ND	0.027	EPA 8082A	6-14-21	6-15-21	
Aroclor 1260	ND	0.027	EPA 8082A	6-14-21	6-15-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	82	54-135				

Client ID:	IAEX-65-15					
Laboratory ID:	06-113-02					
Aroclor 1016	ND	0.026	EPA 8082A	6-14-21	6-15-21	
Aroclor 1221	ND	0.026	EPA 8082A	6-14-21	6-15-21	
Aroclor 1232	ND	0.026	EPA 8082A	6-14-21	6-15-21	
Aroclor 1242	ND	0.026	EPA 8082A	6-14-21	6-15-21	
Aroclor 1248	ND	0.026	EPA 8082A	6-14-21	6-15-21	
Aroclor 1254	ND	0.026	EPA 8082A	6-14-21	6-15-21	
Aroclor 1260	ND	0.026	EPA 8082A	6-14-21	6-15-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	85	54-135				



Date of Report: June 16, 2021
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 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-64-8					
Laboratory ID:	06-113-01					
alpha-BHC	ND	6.6	EPA 8081B	6-14-21	6-14-21	
gamma-BHC (Lindane)	ND	6.6	EPA 8081B	6-14-21	6-14-21	
beta-BHC	ND	6.6	EPA 8081B	6-14-21	6-14-21	
delta-BHC	ND	6.6	EPA 8081B	6-14-21	6-14-21	
Heptachlor	ND	6.6	EPA 8081B	6-14-21	6-14-21	
Aldrin	ND	6.6	EPA 8081B	6-14-21	6-14-21	
Heptachlor Epoxide	ND	6.6	EPA 8081B	6-14-21	6-14-21	
gamma-Chlordane	ND	6.6	EPA 8081B	6-14-21	6-14-21	
alpha-Chlordane	ND	13	EPA 8081B	6-14-21	6-14-21	
4,4'-DDE	ND	13	EPA 8081B	6-14-21	6-14-21	
Endosulfan I	ND	6.6	EPA 8081B	6-14-21	6-14-21	
Dieldrin	ND	13	EPA 8081B	6-14-21	6-14-21	
Endrin	ND	6.6	EPA 8081B	6-14-21	6-14-21	
4,4'-DDD	ND	13	EPA 8081B	6-14-21	6-14-21	
Endosulfan II	ND	13	EPA 8081B	6-14-21	6-14-21	
4,4'-DDT	ND	13	EPA 8081B	6-14-21	6-14-21	
Endrin Aldehyde	ND	13	EPA 8081B	6-14-21	6-14-21	
Methoxychlor	ND	13	EPA 8081B	6-14-21	6-14-21	
Endosulfan Sulfate	ND	13	EPA 8081B	6-14-21	6-14-21	
Endrin Ketone	ND	13	EPA 8081B	6-14-21	6-14-21	
Toxaphene	ND	66	EPA 8081B	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	68	30-110				
DCB	65	40-117				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-65-15					
Laboratory ID:	06-113-02					
alpha-BHC	ND	6.5	EPA 8081B	6-14-21	6-14-21	
gamma-BHC (Lindane)	ND	6.5	EPA 8081B	6-14-21	6-14-21	
beta-BHC	ND	6.5	EPA 8081B	6-14-21	6-14-21	
delta-BHC	ND	6.5	EPA 8081B	6-14-21	6-14-21	
Heptachlor	ND	6.5	EPA 8081B	6-14-21	6-14-21	
Aldrin	ND	6.5	EPA 8081B	6-14-21	6-14-21	
Heptachlor Epoxide	ND	6.5	EPA 8081B	6-14-21	6-14-21	
gamma-Chlordane	ND	6.5	EPA 8081B	6-14-21	6-14-21	
alpha-Chlordane	ND	13	EPA 8081B	6-14-21	6-14-21	
4,4'-DDE	ND	13	EPA 8081B	6-14-21	6-14-21	
Endosulfan I	ND	6.5	EPA 8081B	6-14-21	6-14-21	
Dieldrin	ND	13	EPA 8081B	6-14-21	6-14-21	
Endrin	ND	6.5	EPA 8081B	6-14-21	6-14-21	
4,4'-DDD	ND	13	EPA 8081B	6-14-21	6-14-21	
Endosulfan II	ND	13	EPA 8081B	6-14-21	6-14-21	
4,4'-DDT	ND	13	EPA 8081B	6-14-21	6-14-21	
Endrin Aldehyde	ND	13	EPA 8081B	6-14-21	6-14-21	
Methoxychlor	ND	13	EPA 8081B	6-14-21	6-14-21	
Endosulfan Sulfate	ND	13	EPA 8081B	6-14-21	6-14-21	
Endrin Ketone	ND	13	EPA 8081B	6-14-21	6-14-21	
Toxaphene	ND	65	EPA 8081B	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	62	30-110				
DCB	62	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-64-8					
Laboratory ID:	06-113-01					
Dalapon	ND	240	EPA 8151A	6-15-21	6-15-21	
Dicamba	ND	12	EPA 8151A	6-15-21	6-15-21	
MCPD	ND	1200	EPA 8151A	6-15-21	6-15-21	
MCPA	ND	3100	EPA 8151A	6-15-21	6-15-21	
Dichlorprop	ND	94	EPA 8151A	6-15-21	6-15-21	
2,4-D	ND	12	EPA 8151A	6-15-21	6-15-21	
Pentachlorophenol	ND	6.3	EPA 8151A	6-15-21	6-15-21	
2,4,5-TP (Silvex)	ND	13	EPA 8151A	6-15-21	6-15-21	
2,4,5-T	ND	13	EPA 8151A	6-15-21	6-15-21	
2,4-DB	ND	13	EPA 8151A	6-15-21	6-15-21	
Dinoseb	ND	13	EPA 8151A	6-15-21	6-15-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	61	27-134				
Client ID:	IAEX-65-15					
Laboratory ID:	06-113-02					
Dalapon	ND	240	EPA 8151A	6-15-21	6-15-21	
Dicamba	ND	12	EPA 8151A	6-15-21	6-15-21	
MCPD	ND	1200	EPA 8151A	6-15-21	6-15-21	
MCPA	ND	3000	EPA 8151A	6-15-21	6-15-21	
Dichlorprop	ND	92	EPA 8151A	6-15-21	6-15-21	
2,4-D	ND	12	EPA 8151A	6-15-21	6-15-21	
Pentachlorophenol	ND	6.2	EPA 8151A	6-15-21	6-15-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	6-15-21	6-15-21	
2,4,5-T	ND	12	EPA 8151A	6-15-21	6-15-21	
2,4-DB	ND	12	EPA 8151A	6-15-21	6-15-21	
Dinoseb	ND	12	EPA 8151A	6-15-21	6-15-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	90	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-64-8					
Laboratory ID:	06-113-01					
Arsenic	ND	13	EPA 6010D	6-14-21	6-14-21	
Cadmium	ND	0.66	EPA 6010D	6-14-21	6-14-21	
Chromium	35	0.66	EPA 6010D	6-14-21	6-14-21	
Copper	7.6	1.3	EPA 6010D	6-14-21	6-14-21	
Lead	ND	6.6	EPA 6010D	6-14-21	6-14-21	
Mercury	ND	0.023	EPA 7471B	6-14-21	6-14-21	
Nickel	34	3.3	EPA 6010D	6-14-21	6-14-21	
Selenium	ND	0.33	EPA 6020B	6-15-21	6-15-21	
Zinc	17	3.3	EPA 6010D	6-14-21	6-14-21	

Client ID:	IAEX-65-15					
Laboratory ID:	06-113-02					
Arsenic	ND	13	EPA 6010D	6-14-21	6-14-21	
Cadmium	ND	0.65	EPA 6010D	6-14-21	6-14-21	
Chromium	30	0.65	EPA 6010D	6-14-21	6-14-21	
Copper	10	1.3	EPA 6010D	6-14-21	6-14-21	
Lead	ND	6.5	EPA 6010D	6-14-21	6-14-21	
Mercury	0.033	0.023	EPA 7471B	6-14-21	6-14-21	
Nickel	41	3.3	EPA 6010D	6-14-21	6-14-21	
Selenium	ND	0.33	EPA 6020B	6-15-21	6-15-21	
Zinc	26	3.3	EPA 6010D	6-14-21	6-14-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0614S1					
Gasoline	ND	5.0	NWTPH-Gx	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-113-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				101	99	66-129		



Date of Report: June 16, 2021
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 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0614S1					
Diesel Range Organics	ND	25	NWTPH-Dx	6-14-21	6-14-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	6-14-21	6-14-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0614S1							
	ORIG	DUP						
Diesel Fuel #2	82.6	89.5	NA	NA	NA	NA	8	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				90	95	50-150		



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 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0614S1					
Dichlorodifluoromethane	ND	0.0015	EPA 8260D	6-14-21	6-14-21	
Chloromethane	ND	0.0069	EPA 8260D	6-14-21	6-14-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Bromomethane	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
Chloroethane	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Acetone	ND	0.010	EPA 8260D	6-14-21	6-14-21	
Iodomethane	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Methylene Chloride	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
2-Butanone	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
Bromochloromethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Chloroform	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Benzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Trichloroethene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Dibromomethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
Toluene	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	



Date of Report: June 16, 2021
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 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0614S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
2-Hexanone	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Chlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Ethylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
m,p-Xylene	ND	0.0020	EPA 8260D	6-14-21	6-14-21	
o-Xylene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Styrene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Bromoform	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Bromobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
Naphthalene	ND	0.0050	EPA 8260D	6-14-21	6-14-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0614S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0465	0.0481	0.0500	0.0500	93	96	71-131	3	19	
Benzene	0.0432	0.0439	0.0500	0.0500	86	88	73-124	2	18	
Trichloroethene	0.0476	0.0493	0.0500	0.0500	95	99	79-130	4	18	
Toluene	0.0459	0.0470	0.0500	0.0500	92	94	76-123	2	18	
Chlorobenzene	0.0471	0.0480	0.0500	0.0500	94	96	78-122	2	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					95	96	74-131			
<i>Toluene-d8</i>					98	98	78-128			
<i>4-Bromofluorobenzene</i>					110	110	71-130			



Date of Report: June 16, 2021
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 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0614S1					
n-Nitrosodimethylamine	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Pyridine	ND	0.20	EPA 8270E	6-14-21	6-14-21	
Phenol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Aniline	ND	0.10	EPA 8270E	6-14-21	6-14-21	
bis(2-Chloroethyl)ether	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2-Chlorophenol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
1,3-Dichlorobenzene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
1,4-Dichlorobenzene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Benzyl alcohol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
1,2-Dichlorobenzene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2-Methylphenol (o-Cresol)	ND	0.020	EPA 8270E	6-14-21	6-14-21	
bis(2-Chloroisopropyl)ether	ND	0.020	EPA 8270E	6-14-21	6-14-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.020	EPA 8270E	6-14-21	6-14-21	
n-Nitroso-di-n-propylamine	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Hexachloroethane	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Nitrobenzene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Isophorone	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2-Nitrophenol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2,4-Dimethylphenol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
bis(2-Chloroethoxy)methane	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2,4-Dichlorophenol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
1,2,4-Trichlorobenzene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Naphthalene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
4-Chloroaniline	ND	0.10	EPA 8270E	6-14-21	6-14-21	
Hexachlorobutadiene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
4-Chloro-3-methylphenol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2-Methylnaphthalene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
1-Methylnaphthalene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
Hexachlorocyclopentadiene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2,4,6-Trichlorophenol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2,3-Dichloroaniline	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2,4,5-Trichlorophenol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2-Chloronaphthalene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2-Nitroaniline	ND	0.020	EPA 8270E	6-14-21	6-14-21	
1,4-Dinitrobenzene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Dimethylphthalate	ND	0.020	EPA 8270E	6-14-21	6-14-21	
1,3-Dinitrobenzene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2,6-Dinitrotoluene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
1,2-Dinitrobenzene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Acenaphthylene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
3-Nitroaniline	ND	0.020	EPA 8270E	6-14-21	6-14-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0614S1					
2,4-Dinitrophenol	ND	0.10	EPA 8270E	6-14-21	6-14-21	
Acenaphthene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
4-Nitrophenol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2,4-Dinitrotoluene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Dibenzofuran	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2,3,5,6-Tetrachlorophenol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
2,3,4,6-Tetrachlorophenol	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Diethylphthalate	ND	0.10	EPA 8270E	6-14-21	6-14-21	
4-Chlorophenyl-phenylether	ND	0.020	EPA 8270E	6-14-21	6-14-21	
4-Nitroaniline	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Fluorene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
4,6-Dinitro-2-methylphenol	ND	0.10	EPA 8270E	6-14-21	6-14-21	
n-Nitrosodiphenylamine	ND	0.020	EPA 8270E	6-14-21	6-14-21	
1,2-Diphenylhydrazine	ND	0.020	EPA 8270E	6-14-21	6-14-21	
4-Bromophenyl-phenylether	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Hexachlorobenzene	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Pentachlorophenol	ND	0.10	EPA 8270E	6-14-21	6-14-21	
Phenanthrene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
Anthracene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
Carbazole	ND	0.020	EPA 8270E	6-14-21	6-14-21	
Di-n-butylphthalate	ND	0.10	EPA 8270E	6-14-21	6-14-21	
Fluoranthene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
Pyrene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
Butylbenzylphthalate	ND	0.10	EPA 8270E	6-14-21	6-14-21	
bis-2-Ethylhexyladipate	ND	0.10	EPA 8270E	6-14-21	6-14-21	
3,3'-Dichlorobenzidine	ND	0.10	EPA 8270E	6-14-21	6-14-21	
Benzo[a]anthracene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
Chrysene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
bis(2-Ethylhexyl)phthalate	ND	0.10	EPA 8270E	6-14-21	6-14-21	
Di-n-octylphthalate	ND	0.10	EPA 8270E	6-14-21	6-14-21	
Benzo[b]fluoranthene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
Benzo(j,k)fluoranthene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
Benzo[a]pyrene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
Indeno[1,2,3-cd]pyrene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
Dibenz[a,h]anthracene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
Benzo[g,h,i]perylene	ND	0.0040	EPA 8270E/SIM	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	73	26 - 109				
Phenol-d6	84	33 - 113				
Nitrobenzene-d5	79	31 - 110				
2-Fluorobiphenyl	82	42 - 107				
2,4,6-Tribromophenol	121	42 - 123				
Terphenyl-d14	93	41 - 115				



Date of Report: June 16, 2021
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 Laboratory Reference: 2106-113
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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	06-113-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.967	0.890	1.33	1.33	ND	73	67	33 - 105	8	36	
2-Chlorophenol	0.975	0.902	1.33	1.33	ND	73	68	36 - 105	8	38	
1,4-Dichlorobenzene	0.444	0.455	0.667	0.667	ND	67	68	27 - 106	2	40	
n-Nitroso-di-n-propylamine	0.521	0.490	0.667	0.667	ND	78	73	28 - 111	6	35	
1,2,4-Trichlorobenzene	0.512	0.493	0.667	0.667	ND	77	74	37 - 104	4	41	
4-Chloro-3-methylphenol	1.06	0.992	1.33	1.33	ND	80	75	42 - 113	7	25	
Acenaphthene	0.517	0.469	0.667	0.667	ND	78	70	36 - 104	10	23	
4-Nitrophenol	1.21	1.13	1.33	1.33	ND	91	85	22 - 135	7	24	
2,4-Dinitrotoluene	0.526	0.489	0.667	0.667	ND	79	73	25 - 114	7	26	
Pentachlorophenol	1.37	1.27	1.33	1.33	ND	103	95	28 - 135	8	28	
Pyrene	0.524	0.463	0.667	0.667	ND	79	69	29 - 127	12	20	
<i>Surrogate:</i>											
2-Fluorophenol						80	75	26 - 109			
Phenol-d6						87	78	33 - 113			
Nitrobenzene-d5						86	81	31 - 110			
2-Fluorobiphenyl						85	78	42 - 107			
2,4,6-Tribromophenol						109	95	42 - 123			
Terphenyl-d14						85	74	41 - 115			



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**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0614S2					
Aroclor 1016	ND	0.020	EPA 8082A	6-14-21	6-15-21	
Aroclor 1221	ND	0.020	EPA 8082A	6-14-21	6-15-21	
Aroclor 1232	ND	0.020	EPA 8082A	6-14-21	6-15-21	
Aroclor 1242	ND	0.020	EPA 8082A	6-14-21	6-15-21	
Aroclor 1248	ND	0.020	EPA 8082A	6-14-21	6-15-21	
Aroclor 1254	ND	0.020	EPA 8082A	6-14-21	6-15-21	
Aroclor 1260	ND	0.020	EPA 8082A	6-14-21	6-15-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	89		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	06-113-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.397	0.442	0.500	0.500	ND	79	88	62-129	11	15	
Surrogate:											
DCB						85	88	54-135			



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 Samples Submitted: June 11, 2021
 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0614S2					
alpha-BHC	ND	5.0	EPA 8081B	6-14-21	6-14-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	6-14-21	6-14-21	
beta-BHC	ND	5.0	EPA 8081B	6-14-21	6-14-21	
delta-BHC	ND	5.0	EPA 8081B	6-14-21	6-14-21	
Heptachlor	ND	5.0	EPA 8081B	6-14-21	6-14-21	
Aldrin	ND	5.0	EPA 8081B	6-14-21	6-14-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	6-14-21	6-14-21	
gamma-Chlordane	ND	5.0	EPA 8081B	6-14-21	6-14-21	
alpha-Chlordane	ND	10	EPA 8081B	6-14-21	6-14-21	
4,4'-DDE	ND	10	EPA 8081B	6-14-21	6-14-21	
Endosulfan I	ND	5.0	EPA 8081B	6-14-21	6-14-21	
Dieldrin	ND	10	EPA 8081B	6-14-21	6-14-21	
Endrin	ND	5.0	EPA 8081B	6-14-21	6-14-21	
4,4'-DDD	ND	10	EPA 8081B	6-14-21	6-14-21	
Endosulfan II	ND	10	EPA 8081B	6-14-21	6-14-21	
4,4'-DDT	ND	10	EPA 8081B	6-14-21	6-14-21	
Endrin Aldehyde	ND	10	EPA 8081B	6-14-21	6-14-21	
Methoxychlor	ND	10	EPA 8081B	6-14-21	6-14-21	
Endosulfan Sulfate	ND	10	EPA 8081B	6-14-21	6-14-21	
Endrin Ketone	ND	10	EPA 8081B	6-14-21	6-14-21	
Toxaphene	ND	50	EPA 8081B	6-14-21	6-14-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>69</i>	<i>30-110</i>				
<i>DCB</i>	<i>61</i>	<i>40-117</i>				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	Limit			
MATRIX SPIKES											
Laboratory ID:	06-113-02										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	77.2	72.6	100	100	ND	77	73	36-123	6	21	
gamma-BHC (Lindane)	67.7	64.4	100	100	ND	68	64	38-121	5	21	
beta-BHC	60.1	58.1	100	100	ND	60	58	31-125	3	21	
delta-BHC	68.0	64.6	100	100	ND	68	65	37-118	5	23	
Heptachlor	78.0	74.4	100	100	ND	78	74	37-123	5	24	
Aldrin	68.0	65.9	100	100	ND	68	66	45-118	3	22	
Heptachlor Epoxide	81.9	76.9	100	100	ND	82	77	46-114	6	22	
gamma-Chlordane	66.9	64.2	100	100	ND	67	64	41-120	4	23	
alpha-Chlordane	68.4	64.8	100	100	ND	68	65	43-118	5	23	
4,4'-DDE	69.6	66.1	100	100	ND	70	66	34-139	5	22	
Endosulfan I	69.6	66.2	100	100	ND	70	66	43-124	5	25	
Dieldrin	82.3	77.9	100	100	ND	82	78	40-128	5	23	
Endrin	75.0	70.2	100	100	ND	75	70	44-120	7	28	
4,4'-DDD	66.7	63.2	100	100	ND	67	63	42-131	5	21	
Endosulfan II	66.0	61.5	100	100	ND	66	62	47-112	7	22	
4,4'-DDT	80.1	74.1	100	100	ND	80	74	29-141	8	32	
Endrin Aldehyde	75.0	70.6	100	100	ND	75	71	41-114	6	22	
Methoxychlor	70.3	66.6	100	100	ND	70	67	31-139	5	23	
Endosulfan Sulfate	67.7	64.1	100	100	ND	68	64	48-112	5	21	
Endrin Ketone	67.8	64.3	100	100	ND	68	64	46-117	5	22	
Surrogate:											
TCMX						66	62	30-110			
DCB						68	66	40-117			



Date of Report: June 16, 2021
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 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0615S1					
Dalapon	ND	180	EPA 8151A	6-15-21	6-15-21	
Dicamba	ND	9.4	EPA 8151A	6-15-21	6-15-21	
MCPPE	ND	940	EPA 8151A	6-15-21	6-15-21	
MCPA	ND	2300	EPA 8151A	6-15-21	6-15-21	
Dichlorprop	ND	71	EPA 8151A	6-15-21	6-15-21	
2,4-D	ND	9.4	EPA 8151A	6-15-21	6-15-21	
Pentachlorophenol	ND	4.8	EPA 8151A	6-15-21	6-15-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	6-15-21	6-15-21	
2,4,5-T	ND	9.5	EPA 8151A	6-15-21	6-15-21	
2,4-DB	ND	9.5	EPA 8151A	6-15-21	6-15-21	
Dinoseb	ND	9.5	EPA 8151A	6-15-21	6-15-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	78	27-134				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0615S1									
	SB	SBD	SB	SBD		SB	SBD			
Dalapon	506	607	1250	1250	N/A	41	49	10-68	18	38
Dicamba	204	200	250	250	N/A	82	80	52-101	2	18
MCPPE	20200	19500	25000	25000	N/A	81	78	63-105	4	21
MCPA	19400	18600	25000	25000	N/A	78	74	45-107	4	21
Dichlorprop	188	186	250	250	N/A	75	74	54-106	1	18
2,4-D	147	138	250	250	N/A	59	55	33-95	6	25
Pentachlorophenol	21.2	21.9	25.0	25.0	N/A	85	88	48-125	3	20
2,4,5-TP (Silvex)	213	213	250	250	N/A	85	85	62-115	0	17
2,4,5-T	180	168	250	250	N/A	72	67	48-108	7	21
2,4-DB	184	174	250	250	N/A	74	70	45-114	6	23
Dinoseb	213	219	250	250	N/A	85	88	51-124	3	27
<i>Surrogate:</i>										
DCAA						93	89	27-134		



Date of Report: June 16, 2021
 Samples Submitted: June 11, 2021
 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0614SM1					
Arsenic	ND	10	EPA 6010D	6-14-21	6-14-21	
Cadmium	ND	0.50	EPA 6010D	6-14-21	6-14-21	
Chromium	ND	0.50	EPA 6010D	6-14-21	6-14-21	
Copper	ND	1.0	EPA 6010D	6-14-21	6-14-21	
Lead	ND	5.0	EPA 6010D	6-14-21	6-14-21	
Nickel	ND	2.5	EPA 6010D	6-14-21	6-14-21	
Zinc	ND	2.5	EPA 6010D	6-14-21	6-14-21	
METHOD BLANK						
Laboratory ID:	MB0615SM1					
Selenium	ND	0.25	EPA 6020B	6-15-21	6-15-21	
METHOD BLANK						
Laboratory ID:	MB0614S1					
Mercury	ND	0.018	EPA 7471B	6-14-21	6-14-21	



Date of Report: June 16, 2021
 Samples Submitted: June 11, 2021
 Laboratory Reference: 2106-113
 Project: 6694-002-05 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD	Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	
DUPLICATE									
Laboratory ID:	06-081-01								
	ORIG	DUP							
Arsenic	ND	ND	NA	NA		NA	NA	NA	20
Cadmium	ND	ND	NA	NA		NA	NA	NA	20
Chromium	7.45	7.90	NA	NA		NA	NA	6	20
Copper	10.0	11.9	NA	NA		NA	NA	17	20
Lead	ND	ND	NA	NA		NA	NA	NA	20
Nickel	9.28	9.88	NA	NA		NA	NA	6	20
Zinc	40.3	37.4	NA	NA		NA	NA	7	20

Laboratory ID:	06-113-01								
Selenium	ND	ND	NA	NA		NA	NA	NA	20

Laboratory ID:	06-107-01								
Mercury	0.0252	0.0310	NA	NA		NA	NA	21	20

MATRIX SPIKES

Laboratory ID:	06-081-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	89.1	89.1	100	100	ND	89	89	75-125	0	20
Cadmium	45.8	45.1	50.0	50.0	ND	92	90	75-125	2	20
Chromium	96.8	96.5	100	100	7.45	89	89	75-125	0	20
Copper	57.7	56.9	50.0	50.0	10.0	95	94	75-125	1	20
Lead	229	226	250	250	ND	92	90	75-125	1	20
Nickel	98.7	97.5	100	100	9.28	89	88	75-125	1	20
Zinc	126	125	100	100	40.3	85	85	75-125	0	20

Laboratory ID:	06-113-01									
Selenium	46.6	48.1	50.0	50.0	ND	93	96	75-125	3	20

Laboratory ID:	06-107-01									
Mercury	0.499	0.573	0.500	0.500	0.0252	95	110	80-120	14	20



Date of Report: June 16, 2021
Samples Submitted: June 11, 2021
Laboratory Reference: 2106-113
Project: 6694-002-05 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-64-8	06-113-01	25	6-14-21
IAEX-65-15	06-113-02	23	6-14-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





OnSite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other) _____

Laboratory Number: **06-113**

Company: BEST ENGINEERS
 Project Number: 6694-202-05
 Project Name: 66 EAST LAUREL
 Project Manager: GARRETT LEVINE
 Sampled by: PAUL ROBERTS

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	IAEX-64-B	6/12	1100	S	4
2	IAEX-65-15	6/12	1115	S	6

Analysis	1	2
NWTPH-HCID		
NWTPH-Gx/BTEX		
NWTPH-Gx	X	X
NWTPH-Dx <input checked="" type="checkbox"/> Acid / SG Clean-up)	X	X
Volatiles 8260D	X	X
Halogenated Volatiles 8260D		
EDB EPA 8011 (Waters Only)		
Semivolatiles 8270E/SIM (with low-level PAHs)	X	X
PAHs 8270E/SIM (low-level)	X	X
PCBs 8082A	X	X
Organochlorine Pesticides 8081B	X	X
Organophosphorus Pesticides 8270E/SIM		
Chlorinated Acid Herbicides 8151A	X	X
Total RCRA Metals		
Total MTCA Metals		
TCLP Metals		
HEM (oil and grease) 1664A		
Total METALS *	X	X
% Moisture	X	X

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	BEST ENGINEERS	6/15/21	3:20	* ARSENIC, CADMIUM, CHROMIUM, COPPER, LEAD, MERCURY, NICKEL, SELENIUM and ZINC
<i>[Signature]</i>	Alpha	6/11/21	3:20	** PCB's as Analyzers
<i>[Signature]</i>	Alpha	6/11/21	5:45	
<i>[Signature]</i>	Alpha	6/11/21	1745	

Received _____ Reviewed/Date _____

Received _____ Reviewed/Date _____

Received _____ Reviewed/Date _____

Received _____ Reviewed/Date _____

Received _____ Reviewed/Date _____

Received _____ Reviewed/Date _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 21, 2021

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2106-152

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on June 16, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 21, 2021
Samples Submitted: June 16, 2021
Laboratory Reference: 2106-152
Project: 6694-002-05 T700

Case Narrative

Samples were collected on June 16, 2021 and received by the laboratory on June 16, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: June 21, 2021
Samples Submitted: June 16, 2021
Laboratory Reference: 2106-152
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-66-5	06-152-01	Soil	6-16-21	6-16-21	



Date of Report: June 21, 2021
 Samples Submitted: June 16, 2021
 Laboratory Reference: 2106-152
 Project: 6694-002-05 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-66-5					
Laboratory ID:	06-152-01					
Gasoline	ND	6.9	NWTPH-Gx	6-16-21	6-16-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	66-129				



Date of Report: June 21, 2021
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 Laboratory Reference: 2106-152
 Project: 6694-002-05 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-66-5					
Laboratory ID:	06-152-01					
Diesel Range Organics	ND	31	NWTPH-Dx	6-16-21	6-17-21	X1
Lube Oil Range Organics	ND	62	NWTPH-Dx	6-16-21	6-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				



Date of Report: June 21, 2021
 Samples Submitted: June 16, 2021
 Laboratory Reference: 2106-152
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-66-5					
Laboratory ID:	06-152-01					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Chloromethane	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Bromomethane	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
Chloroethane	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Acetone	0.017	0.012	EPA 8260D	6-17-21	6-17-21	Y
Iodomethane	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Methylene Chloride	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Vinyl Acetate	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
2-Butanone	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
Bromochloromethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Chloroform	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Benzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Trichloroethene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Dibromomethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Methyl Isobutyl Ketone	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
Toluene	0.0090	0.0061	EPA 8260D	6-17-21	6-17-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	



Date of Report: June 21, 2021
 Samples Submitted: June 16, 2021
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VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-66-5					
Laboratory ID:	06-152-01					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
2-Hexanone	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Chlorobenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Ethylbenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
m,p-Xylene	ND	0.0024	EPA 8260D	6-17-21	6-17-21	
o-Xylene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Styrene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Bromoform	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Bromobenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromo-3-chloropropane	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
Hexachlorobutadiene	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
Naphthalene	ND	0.0061	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>112</i>	<i>71-130</i>				



Date of Report: June 21, 2021
 Samples Submitted: June 16, 2021
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 Project: 6694-002-05 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
 page 1 of 2

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-66-5					
Laboratory ID:	06-152-01					
n-Nitrosodimethylamine	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Pyridine	ND	0.42	EPA 8270E	6-16-21	6-17-21	
Phenol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Aniline	ND	0.21	EPA 8270E	6-16-21	6-17-21	
bis(2-Chloroethyl)ether	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2-Chlorophenol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
1,3-Dichlorobenzene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
1,4-Dichlorobenzene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Benzyl alcohol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
1,2-Dichlorobenzene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2-Methylphenol (o-Cresol)	ND	0.042	EPA 8270E	6-16-21	6-17-21	
bis(2-Chloroisopropyl)ether	ND	0.042	EPA 8270E	6-16-21	6-17-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.042	EPA 8270E	6-16-21	6-17-21	
n-Nitroso-di-n-propylamine	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Hexachloroethane	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Nitrobenzene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Isophorone	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2-Nitrophenol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2,4-Dimethylphenol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
bis(2-Chloroethoxy)methane	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2,4-Dichlorophenol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
1,2,4-Trichlorobenzene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Naphthalene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
4-Chloroaniline	ND	0.21	EPA 8270E	6-16-21	6-17-21	
Hexachlorobutadiene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
4-Chloro-3-methylphenol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
1-Methylnaphthalene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
Hexachlorocyclopentadiene	ND	0.058	EPA 8270E	6-16-21	6-17-21	
2,4,6-Trichlorophenol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2,3-Dichloroaniline	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2,4,5-Trichlorophenol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2-Chloronaphthalene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2-Nitroaniline	ND	0.042	EPA 8270E	6-16-21	6-17-21	
1,4-Dinitrobenzene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Dimethylphthalate	ND	0.042	EPA 8270E	6-16-21	6-17-21	
1,3-Dinitrobenzene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2,6-Dinitrotoluene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
1,2-Dinitrobenzene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Acenaphthylene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
3-Nitroaniline	ND	0.042	EPA 8270E	6-16-21	6-17-21	



Date of Report: June 21, 2021
 Samples Submitted: June 16, 2021
 Laboratory Reference: 2106-152
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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-66-5					
Laboratory ID:	06-152-01					
2,4-Dinitrophenol	ND	0.21	EPA 8270E	6-16-21	6-17-21	
Acenaphthene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
4-Nitrophenol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2,4-Dinitrotoluene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Dibenzofuran	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2,3,5,6-Tetrachlorophenol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
2,3,4,6-Tetrachlorophenol	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Diethylphthalate	ND	0.21	EPA 8270E	6-16-21	6-17-21	
4-Chlorophenyl-phenylether	ND	0.042	EPA 8270E	6-16-21	6-17-21	
4-Nitroaniline	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Fluorene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
4,6-Dinitro-2-methylphenol	ND	0.21	EPA 8270E	6-16-21	6-17-21	
n-Nitrosodiphenylamine	ND	0.042	EPA 8270E	6-16-21	6-17-21	
1,2-Diphenylhydrazine	ND	0.042	EPA 8270E	6-16-21	6-17-21	
4-Bromophenyl-phenylether	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Hexachlorobenzene	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Pentachlorophenol	ND	0.21	EPA 8270E	6-16-21	6-17-21	
Phenanthrene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
Anthracene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
Carbazole	ND	0.042	EPA 8270E	6-16-21	6-17-21	
Di-n-butylphthalate	ND	0.21	EPA 8270E	6-16-21	6-17-21	
Fluoranthene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
Pyrene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
Butylbenzylphthalate	ND	0.21	EPA 8270E	6-16-21	6-17-21	
bis-2-Ethylhexyladipate	ND	0.21	EPA 8270E	6-16-21	6-17-21	
3,3'-Dichlorobenzidine	ND	0.21	EPA 8270E	6-16-21	6-17-21	
Benzo[a]anthracene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
Chrysene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
bis(2-Ethylhexyl)phthalate	ND	0.21	EPA 8270E	6-16-21	6-17-21	
Di-n-octylphthalate	ND	0.21	EPA 8270E	6-16-21	6-17-21	
Benzo[b]fluoranthene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
Benzo(j,k)fluoranthene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
Benzo[a]pyrene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
Indeno[1,2,3-cd]pyrene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
Dibenz[a,h]anthracene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
Benzo[g,h,i]perylene	ND	0.0083	EPA 8270E/SIM	6-16-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>82</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>94</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>87</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>90</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>103</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>98</i>	<i>41 - 115</i>				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-66-5					
Laboratory ID:	06-152-01					
Aroclor 1016	ND	0.062	EPA 8082A	6-16-21	6-17-21	
Aroclor 1221	ND	0.062	EPA 8082A	6-16-21	6-17-21	
Aroclor 1232	ND	0.062	EPA 8082A	6-16-21	6-17-21	
Aroclor 1242	ND	0.062	EPA 8082A	6-16-21	6-17-21	
Aroclor 1248	ND	0.062	EPA 8082A	6-16-21	6-17-21	
Aroclor 1254	ND	0.062	EPA 8082A	6-16-21	6-17-21	
Aroclor 1260	ND	0.062	EPA 8082A	6-16-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>87</i>	<i>54-135</i>				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-66-5					
Laboratory ID:	06-152-01					
alpha-BHC	ND	6.2	EPA 8081B	6-16-21	6-17-21	
gamma-BHC (Lindane)	ND	6.2	EPA 8081B	6-16-21	6-17-21	
beta-BHC	ND	6.2	EPA 8081B	6-16-21	6-17-21	
delta-BHC	ND	6.2	EPA 8081B	6-16-21	6-17-21	
Heptachlor	ND	6.2	EPA 8081B	6-16-21	6-17-21	
Aldrin	ND	6.2	EPA 8081B	6-16-21	6-17-21	
Heptachlor Epoxide	ND	6.2	EPA 8081B	6-16-21	6-17-21	
gamma-Chlordane	ND	6.2	EPA 8081B	6-16-21	6-17-21	
alpha-Chlordane	ND	12	EPA 8081B	6-16-21	6-17-21	
4,4'-DDE	ND	12	EPA 8081B	6-16-21	6-17-21	
Endosulfan I	ND	6.2	EPA 8081B	6-16-21	6-17-21	
Dieldrin	ND	12	EPA 8081B	6-16-21	6-17-21	
Endrin	ND	6.2	EPA 8081B	6-16-21	6-17-21	
4,4'-DDD	ND	12	EPA 8081B	6-16-21	6-17-21	
Endosulfan II	ND	12	EPA 8081B	6-16-21	6-17-21	
4,4'-DDT	ND	12	EPA 8081B	6-16-21	6-17-21	
Endrin Aldehyde	ND	12	EPA 8081B	6-16-21	6-17-21	
Methoxychlor	ND	12	EPA 8081B	6-16-21	6-17-21	
Endosulfan Sulfate	ND	12	EPA 8081B	6-16-21	6-17-21	
Endrin Ketone	ND	12	EPA 8081B	6-16-21	6-17-21	
Toxaphene	ND	62	EPA 8081B	6-16-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	61	30-110				
DCB	87	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-66-5					
Laboratory ID:	06-152-01					
Dalapon	ND	230	EPA 8151A	6-17-21	6-17-21	
Dicamba	ND	12	EPA 8151A	6-17-21	6-17-21	
MCPPP	ND	1200	EPA 8151A	6-17-21	6-17-21	
MCPA	ND	2900	EPA 8151A	6-17-21	6-17-21	
Dichlorprop	ND	88	EPA 8151A	6-17-21	6-17-21	
2,4-D	ND	12	EPA 8151A	6-17-21	6-17-21	
Pentachlorophenol	ND	5.9	EPA 8151A	6-17-21	6-17-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	6-17-21	6-17-21	
2,4,5-T	ND	12	EPA 8151A	6-17-21	6-17-21	
2,4-DB	ND	12	EPA 8151A	6-17-21	6-17-21	
Dinoseb	ND	12	EPA 8151A	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	82	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-66-5					
Laboratory ID:	06-152-01					
Arsenic	ND	12	EPA 6010D	6-17-21	6-17-21	
Cadmium	ND	0.62	EPA 6010D	6-17-21	6-17-21	
Chromium	36	0.62	EPA 6010D	6-17-21	6-17-21	
Copper	9.8	1.2	EPA 6010D	6-17-21	6-17-21	
Lead	ND	6.2	EPA 6010D	6-17-21	6-17-21	
Mercury	ND	0.025	EPA 7471B	6-17-21	6-17-21	
Nickel	47	3.1	EPA 6010D	6-17-21	6-17-21	
Selenium	ND	0.31	EPA 6020B	6-17-21	6-17-21	
Zinc	26	3.1	EPA 6010D	6-17-21	6-17-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0616S1					
Gasoline	ND	5.0	NWTPH-Gx	6-16-21	6-16-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-151-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>			107	98	66-129			



Date of Report: June 21, 2021
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 Project: 6694-002-05 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0616S1					
Diesel Range Organics	ND	25	NWTPH-Dx	6-16-21	6-17-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	6-16-21	6-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0616S1							
	ORIG	DUP						
Diesel Fuel #2	81.2	78.5	NA	NA	NA	NA	3	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				97	96	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Chloromethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromomethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Chloroethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Acetone	ND	0.010	EPA 8260D	6-17-21	6-17-21	
Iodomethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Methylene Chloride	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Butanone	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Bromochloromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Chloroform	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Benzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Trichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Dibromomethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Toluene	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Hexanone	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Chlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Ethylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
m,p-Xylene	ND	0.0020	EPA 8260D	6-17-21	6-17-21	
o-Xylene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Styrene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromoform	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Naphthalene	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0617S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0551	0.0510	0.0500	0.0500	110	102	71-131	8	19	
Benzene	0.0490	0.0487	0.0500	0.0500	98	97	73-124	1	18	
Trichloroethene	0.0527	0.0505	0.0500	0.0500	105	101	79-130	4	18	
Toluene	0.0493	0.0490	0.0500	0.0500	99	98	76-123	1	18	
Chlorobenzene	0.0497	0.0483	0.0500	0.0500	99	97	78-122	3	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					92	94	74-131			
<i>Toluene-d8</i>					96	96	78-128			
<i>4-Bromofluorobenzene</i>					110	112	71-130			



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0616S1					
n-Nitrosodimethylamine	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Pyridine	ND	0.20	EPA 8270E	6-16-21	6-16-21	
Phenol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Aniline	ND	0.10	EPA 8270E	6-16-21	6-16-21	
bis(2-Chloroethyl)ether	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2-Chlorophenol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
1,3-Dichlorobenzene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
1,4-Dichlorobenzene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Benzyl alcohol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
1,2-Dichlorobenzene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2-Methylphenol (o-Cresol)	ND	0.020	EPA 8270E	6-16-21	6-16-21	
bis(2-Chloroisopropyl)ether	ND	0.020	EPA 8270E	6-16-21	6-16-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.020	EPA 8270E	6-16-21	6-16-21	
n-Nitroso-di-n-propylamine	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Hexachloroethane	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Nitrobenzene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Isophorone	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2-Nitrophenol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2,4-Dimethylphenol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
bis(2-Chloroethoxy)methane	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2,4-Dichlorophenol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
1,2,4-Trichlorobenzene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Naphthalene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
4-Chloroaniline	ND	0.10	EPA 8270E	6-16-21	6-16-21	
Hexachlorobutadiene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
4-Chloro-3-methylphenol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2-Methylnaphthalene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
1-Methylnaphthalene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
Hexachlorocyclopentadiene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2,4,6-Trichlorophenol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2,3-Dichloroaniline	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2,4,5-Trichlorophenol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2-Chloronaphthalene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2-Nitroaniline	ND	0.020	EPA 8270E	6-16-21	6-16-21	
1,4-Dinitrobenzene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Dimethylphthalate	ND	0.020	EPA 8270E	6-16-21	6-16-21	
1,3-Dinitrobenzene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2,6-Dinitrotoluene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
1,2-Dinitrobenzene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Acenaphthylene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
3-Nitroaniline	ND	0.020	EPA 8270E	6-16-21	6-16-21	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 21, 2021
 Samples Submitted: June 16, 2021
 Laboratory Reference: 2106-152
 Project: 6694-002-05 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0616S1					
2,4-Dinitrophenol	ND	0.10	EPA 8270E	6-16-21	6-16-21	
Acenaphthene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
4-Nitrophenol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2,4-Dinitrotoluene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Dibenzofuran	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2,3,5,6-Tetrachlorophenol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
2,3,4,6-Tetrachlorophenol	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Diethylphthalate	ND	0.10	EPA 8270E	6-16-21	6-16-21	
4-Chlorophenyl-phenylether	ND	0.020	EPA 8270E	6-16-21	6-16-21	
4-Nitroaniline	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Fluorene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
4,6-Dinitro-2-methylphenol	ND	0.10	EPA 8270E	6-16-21	6-16-21	
n-Nitrosodiphenylamine	ND	0.020	EPA 8270E	6-16-21	6-16-21	
1,2-Diphenylhydrazine	ND	0.020	EPA 8270E	6-16-21	6-16-21	
4-Bromophenyl-phenylether	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Hexachlorobenzene	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Pentachlorophenol	ND	0.10	EPA 8270E	6-16-21	6-16-21	
Phenanthrene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
Anthracene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
Carbazole	ND	0.020	EPA 8270E	6-16-21	6-16-21	
Di-n-butylphthalate	ND	0.10	EPA 8270E	6-16-21	6-16-21	
Fluoranthene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
Pyrene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
Butylbenzylphthalate	ND	0.10	EPA 8270E	6-16-21	6-16-21	
bis-2-Ethylhexyladipate	ND	0.10	EPA 8270E	6-16-21	6-16-21	
3,3'-Dichlorobenzidine	ND	0.10	EPA 8270E	6-16-21	6-16-21	
Benzo[a]anthracene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
Chrysene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
bis(2-Ethylhexyl)phthalate	ND	0.10	EPA 8270E	6-16-21	6-16-21	
Di-n-octylphthalate	ND	0.10	EPA 8270E	6-16-21	6-16-21	
Benzo[b]fluoranthene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
Benzo(j,k)fluoranthene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
Benzo[a]pyrene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
Indeno[1,2,3-cd]pyrene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
Dibenz[a,h]anthracene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
Benzo[g,h,i]perylene	ND	0.0040	EPA 8270E/SIM	6-16-21	6-16-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	93	26 - 109				
Phenol-d6	100	33 - 113				
Nitrobenzene-d5	96	31 - 110				
2-Fluorobiphenyl	95	42 - 107				
2,4,6-Tribromophenol	105	42 - 123				
Terphenyl-d14	104	41 - 115				



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 Laboratory Reference: 2106-152
 Project: 6694-002-05 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0616S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	1.11	1.10	1.33	1.33	83	83	47 - 106	1	30	
2-Chlorophenol	1.14	1.12	1.33	1.33	86	84	51 - 105	2	31	
1,4-Dichlorobenzene	0.560	0.551	0.667	0.667	84	83	49 - 101	2	33	
n-Nitroso-di-n-propylamine	0.574	0.557	0.667	0.667	86	84	50 - 105	3	26	
1,2,4-Trichlorobenzene	0.584	0.585	0.667	0.667	88	88	50 - 107	0	31	
4-Chloro-3-methylphenol	1.26	1.22	1.33	1.33	95	92	58 - 114	3	22	
Acenaphthene	0.603	0.559	0.667	0.667	90	84	52 - 102	8	22	
4-Nitrophenol	1.52	1.44	1.33	1.33	114	108	51 - 126	5	20	
2,4-Dinitrotoluene	0.621	0.566	0.667	0.667	93	85	54 - 108	9	19	
Pentachlorophenol	1.30	1.25	1.33	1.33	98	94	20 - 148	4	30	
Pyrene	0.651	0.613	0.667	0.667	98	92	55 - 112	6	19	
<i>Surrogate:</i>										
2-Fluorophenol					93	89	26 - 109			
Phenol-d6					97	97	33 - 113			
Nitrobenzene-d5					95	96	31 - 110			
2-Fluorobiphenyl					94	92	42 - 107			
2,4,6-Tribromophenol					108	102	42 - 123			
Terphenyl-d14					100	95	41 - 115			



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**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0616S2					
Aroclor 1016	ND	0.050	EPA 8082A	6-16-21	6-16-21	
Aroclor 1221	ND	0.050	EPA 8082A	6-16-21	6-16-21	
Aroclor 1232	ND	0.050	EPA 8082A	6-16-21	6-16-21	
Aroclor 1242	ND	0.050	EPA 8082A	6-16-21	6-16-21	
Aroclor 1248	ND	0.050	EPA 8082A	6-16-21	6-16-21	
Aroclor 1254	ND	0.050	EPA 8082A	6-16-21	6-16-21	
Aroclor 1260	ND	0.050	EPA 8082A	6-16-21	6-16-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	85		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	06-135-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.442	0.387	0.500	0.500	ND	88	77	62-129	13	15	
Surrogate:											
DCB						86	77	54-135			



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 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0616S2					
alpha-BHC	ND	5.0	EPA 8081B	6-16-21	6-16-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	6-16-21	6-16-21	
beta-BHC	ND	5.0	EPA 8081B	6-16-21	6-16-21	
delta-BHC	ND	5.0	EPA 8081B	6-16-21	6-16-21	
Heptachlor	ND	5.0	EPA 8081B	6-16-21	6-16-21	
Aldrin	ND	5.0	EPA 8081B	6-16-21	6-16-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	6-16-21	6-16-21	
gamma-Chlordane	ND	5.0	EPA 8081B	6-16-21	6-16-21	
alpha-Chlordane	ND	10	EPA 8081B	6-16-21	6-16-21	
4,4'-DDE	ND	10	EPA 8081B	6-16-21	6-16-21	
Endosulfan I	ND	5.0	EPA 8081B	6-16-21	6-16-21	
Dieldrin	ND	10	EPA 8081B	6-16-21	6-16-21	
Endrin	ND	5.0	EPA 8081B	6-16-21	6-16-21	
4,4'-DDD	ND	10	EPA 8081B	6-16-21	6-16-21	
Endosulfan II	ND	10	EPA 8081B	6-16-21	6-16-21	
4,4'-DDT	ND	10	EPA 8081B	6-16-21	6-16-21	
Endrin Aldehyde	ND	10	EPA 8081B	6-16-21	6-16-21	
Methoxychlor	ND	10	EPA 8081B	6-16-21	6-16-21	
Endosulfan Sulfate	ND	10	EPA 8081B	6-16-21	6-16-21	
Endrin Ketone	ND	10	EPA 8081B	6-16-21	6-16-21	
Toxaphene	ND	50	EPA 8081B	6-16-21	6-16-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>75</i>	<i>30-110</i>				
<i>DCB</i>	<i>65</i>	<i>40-117</i>				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0616S3										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	71.3	72.8	100	100	N/A	71	73	65-115	2	15	
gamma-BHC (Lindane)	71.4	72.5	100	100	N/A	71	72	69-116	2	15	
beta-BHC	84.9	86.3	100	100	N/A	85	86	63-116	2	15	
delta-BHC	71.0	72.0	100	100	N/A	71	72	66-116	1	15	
Heptachlor	80.1	81.6	100	100	N/A	80	82	63-119	2	15	
Aldrin	81.9	83.0	100	100	N/A	82	83	60-116	1	15	
Heptachlor Epoxide	83.9	85.1	100	100	N/A	84	85	65-116	1	15	
gamma-Chlordane	76.4	77.5	100	100	N/A	76	78	64-116	1	15	
alpha-Chlordane	76.9	78.0	100	100	N/A	77	78	62-119	1	15	
4,4'-DDE	70.2	70.1	100	100	N/A	70	70	69-120	0	15	
Endosulfan I	84.5	85.4	100	100	N/A	84	85	60-121	1	15	
Dieldrin	88.6	90.2	100	100	N/A	89	90	64-115	2	15	
Endrin	87.0	88.0	100	100	N/A	87	88	62-118	1	15	
4,4'-DDD	66.7	67.2	100	100	N/A	67	67	64-124	1	15	
Endosulfan II	77.6	79.0	100	100	N/A	78	79	64-115	2	15	
4,4'-DDT	86.1	93.1	100	100	N/A	86	93	57-130	8	15	
Endrin Aldehyde	84.0	87.2	100	100	N/A	84	87	57-114	4	15	
Methoxychlor	82.6	83.6	100	100	N/A	83	84	49-129	1	15	
Endosulfan Sulfate	76.6	77.1	100	100	N/A	77	77	61-115	1	15	
Endrin Ketone	76.5	78.2	100	100	N/A	77	78	64-116	2	15	
Surrogate:											
TCMX						67	70	30-110			
DCB						63	67	40-117			



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**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
Dalapon	ND	180	EPA 8151A	6-17-21	6-17-21	
Dicamba	ND	9.4	EPA 8151A	6-17-21	6-17-21	
MCPPE	ND	940	EPA 8151A	6-17-21	6-17-21	
MCPA	ND	2300	EPA 8151A	6-17-21	6-17-21	
Dichlorprop	ND	71	EPA 8151A	6-17-21	6-17-21	
2,4-D	ND	9.4	EPA 8151A	6-17-21	6-17-21	
Pentachlorophenol	ND	4.8	EPA 8151A	6-17-21	6-17-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	6-17-21	6-17-21	
2,4,5-T	ND	9.5	EPA 8151A	6-17-21	6-17-21	
2,4-DB	ND	9.5	EPA 8151A	6-17-21	6-17-21	
Dinoseb	ND	9.5	EPA 8151A	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	69	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0617S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	380	415	1250	1250	N/A	30	33	10-68 9 38
Dicamba	184	192	250	250	N/A	74	77	52-101 4 18
MCPPE	20200	20400	25000	25000	N/A	81	81	63-105 1 21
MCPA	17800	17600	25000	25000	N/A	71	70	45-107 1 21
Dichlorprop	190	190	250	250	N/A	76	76	54-106 0 18
2,4-D	136	144	250	250	N/A	54	58	33-95 6 25
Pentachlorophenol	20.3	21.7	25.0	25.0	N/A	81	87	48-125 7 20
2,4,5-TP (Silvex)	217	228	250	250	N/A	87	91	62-115 5 17
2,4,5-T	152	161	250	250	N/A	61	64	48-108 6 21
2,4-DB	186	189	250	250	N/A	74	76	45-114 2 23
Dinoseb	215	224	250	250	N/A	86	90	51-124 4 27
<i>Surrogate:</i>								
DCAA						90	91	27-134



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**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617SM1					
Arsenic	ND	10	EPA 6010D	6-17-21	6-17-21	
Cadmium	ND	0.50	EPA 6010D	6-17-21	6-17-21	
Chromium	ND	0.50	EPA 6010D	6-17-21	6-17-21	
Copper	ND	1.0	EPA 6010D	6-17-21	6-17-21	
Lead	ND	5.0	EPA 6010D	6-17-21	6-17-21	
Nickel	ND	2.5	EPA 6010D	6-17-21	6-17-21	
Zinc	ND	2.5	EPA 6010D	6-17-21	6-17-21	
Laboratory ID:	MB0617SM2					
Selenium	ND	0.25	EPA 6020B	6-17-21	6-17-21	
Laboratory ID:	MB0617S1					
Mercury	ND	0.020	EPA 7471B	6-17-21	6-17-21	



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 Project: 6694-002-05 T700

TOTAL METALS
EPA 6010D/6020B/7471B
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	06-152-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	28.6	25.3	NA	NA		NA	NA	12	20	
Copper	7.85	7.20	NA	NA		NA	NA	9	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	37.8	34.3	NA	NA		NA	NA	10	20	
Zinc	20.5	19.0	NA	NA		NA	NA	8	20	

Laboratory ID:	06-152-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	06-135-01									
Mercury	0.0418	0.0386	NA	NA		NA	NA	8	20	

MATRIX SPIKES

Laboratory ID:	06-152-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	90.0	94.8	100	100	ND	90	95	75-125	5	20
Cadmium	45.0	47.3	50.0	50.0	ND	90	95	75-125	5	20
Chromium	115	121	100	100	28.6	87	92	75-125	5	20
Copper	53.7	57.0	50.0	50.0	7.85	92	98	75-125	6	20
Lead	224	236	250	250	ND	90	94	75-125	5	20
Nickel	124	131	100	100	37.8	86	94	75-125	6	20
Zinc	106	113	100	100	20.5	86	93	75-125	6	20

Laboratory ID:	06-152-01									
Selenium	91.8	94.0	100	100	ND	92	94	75-125	2	20

Laboratory ID:	06-135-01									
Mercury	0.569	0.586	0.500	0.500	0.0418	105	109	80-120	3	20



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% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-66-5	06-152-01	20	6-16-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





OnSite Environmental Inc.
 Analytical Laboratory Testing Services
 14649 NE 95th Street • Redmond, WA 98052
 Phone: (425) 853-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(In working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: **06-152**

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx <input checked="" type="checkbox"/> Acc	Clean-up
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Water only)	
Semivolatiles 8270 (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
Total Metal 78	HOLD
% Moisture	

Please report these IMP samples separately, see other COC.

Company: GeoEngineers
 Project Number: 6694-002-05 T700
 Project Name: Go East Corp Landfill Site
 Project Manager: Garrett Leque
 Sampled by: Paul Robinette

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
	IMP-51-1	6/16/21	8:10	5	6
	IMP-51-2	6/16/21	12:00	1	6
	IMP-52-1	6/16/21	8:30	1	6
	IMP-66-5	6/16/21	12:30	1	6

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	GEI	6/16/21	14:50	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc **PCBs as Aroclors
<i>[Signature]</i>	Speedy Alpha	6/16/21	14:50	
<i>[Signature]</i>	OSE	6/16/21	15:43	(2) Chromium, Copper, Mercury, Zinc, Silver, and Barium

Received: _____
 Received: _____
 Received: _____
 Received: _____
 Received: _____
 Reviewed/Date: _____

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDD)



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 18, 2021

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2106-159

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on June 17, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 18, 2021
Samples Submitted: June 17, 2021
Laboratory Reference: 2106-159
Project: 6694-002-05 T700

Case Narrative

Samples were collected on June 17, 2021 and received by the laboratory on June 17, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: June 18, 2021
Samples Submitted: June 17, 2021
Laboratory Reference: 2106-159
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-67-30	06-159-01	Soil	6-17-21	6-17-21	



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-67-30					
Laboratory ID:	06-159-01					
Gasoline	ND	7.4	NWTPH-Gx	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-129				



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-67-30					
Laboratory ID:	06-159-01					
Diesel Range Organics	ND	33	NWTPH-Dx	6-17-21	6-17-21	X1
Lube Oil Range Organics	ND	65	NWTPH-Dx	6-17-21	6-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	112	50-150				



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-67-30					
Laboratory ID:	06-159-01					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Chloromethane	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Bromomethane	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
Chloroethane	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Acetone	0.020	0.011	EPA 8260D	6-17-21	6-17-21	Y
Iodomethane	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Methylene Chloride	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Vinyl Acetate	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
2-Butanone	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
Bromochloromethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Chloroform	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Benzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Trichloroethene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Dibromomethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Methyl Isobutyl Ketone	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
Toluene	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-67-30					
Laboratory ID:	06-159-01					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
2-Hexanone	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Chlorobenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Ethylbenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
m,p-Xylene	ND	0.0023	EPA 8260D	6-17-21	6-17-21	
o-Xylene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Styrene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Bromoform	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Bromobenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
Hexachlorobutadiene	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
Naphthalene	ND	0.0057	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>92</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>71-130</i>				



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
 page 1 of 2

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-67-30					
Laboratory ID:	06-159-01					
n-Nitrosodimethylamine	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Pyridine	ND	0.43	EPA 8270E	6-17-21	6-17-21	
Phenol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Aniline	ND	0.22	EPA 8270E	6-17-21	6-17-21	
bis(2-Chloroethyl)ether	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2-Chlorophenol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
1,3-Dichlorobenzene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
1,4-Dichlorobenzene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Benzyl alcohol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
1,2-Dichlorobenzene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2-Methylphenol (o-Cresol)	ND	0.043	EPA 8270E	6-17-21	6-17-21	
bis(2-Chloroisopropyl)ether	ND	0.043	EPA 8270E	6-17-21	6-17-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.043	EPA 8270E	6-17-21	6-17-21	
n-Nitroso-di-n-propylamine	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Hexachloroethane	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Nitrobenzene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Isophorone	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2-Nitrophenol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2,4-Dimethylphenol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
bis(2-Chloroethoxy)methane	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2,4-Dichlorophenol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
1,2,4-Trichlorobenzene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Naphthalene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
4-Chloroaniline	ND	0.22	EPA 8270E	6-17-21	6-17-21	
Hexachlorobutadiene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
4-Chloro-3-methylphenol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2-Methylnaphthalene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
1-Methylnaphthalene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
Hexachlorocyclopentadiene	ND	0.061	EPA 8270E	6-17-21	6-17-21	
2,4,6-Trichlorophenol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2,3-Dichloroaniline	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2,4,5-Trichlorophenol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2-Chloronaphthalene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2-Nitroaniline	ND	0.043	EPA 8270E	6-17-21	6-17-21	
1,4-Dinitrobenzene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Dimethylphthalate	ND	0.043	EPA 8270E	6-17-21	6-17-21	
1,3-Dinitrobenzene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2,6-Dinitrotoluene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
1,2-Dinitrobenzene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Acenaphthylene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
3-Nitroaniline	ND	0.043	EPA 8270E	6-17-21	6-17-21	



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-67-30					
Laboratory ID:	06-159-01					
2,4-Dinitrophenol	ND	0.22	EPA 8270E	6-17-21	6-17-21	
Acenaphthene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
4-Nitrophenol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2,4-Dinitrotoluene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Dibenzofuran	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2,3,5,6-Tetrachlorophenol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
2,3,4,6-Tetrachlorophenol	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Diethylphthalate	ND	0.22	EPA 8270E	6-17-21	6-17-21	
4-Chlorophenyl-phenylether	ND	0.043	EPA 8270E	6-17-21	6-17-21	
4-Nitroaniline	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Fluorene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
4,6-Dinitro-2-methylphenol	ND	0.22	EPA 8270E	6-17-21	6-17-21	
n-Nitrosodiphenylamine	ND	0.043	EPA 8270E	6-17-21	6-17-21	
1,2-Diphenylhydrazine	ND	0.043	EPA 8270E	6-17-21	6-17-21	
4-Bromophenyl-phenylether	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Hexachlorobenzene	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Pentachlorophenol	ND	0.22	EPA 8270E	6-17-21	6-17-21	
Phenanthrene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
Anthracene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
Carbazole	ND	0.043	EPA 8270E	6-17-21	6-17-21	
Di-n-butylphthalate	ND	0.22	EPA 8270E	6-17-21	6-17-21	
Fluoranthene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
Pyrene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
Butylbenzylphthalate	ND	0.22	EPA 8270E	6-17-21	6-17-21	
bis-2-Ethylhexyladipate	ND	0.22	EPA 8270E	6-17-21	6-17-21	
3,3'-Dichlorobenzidine	ND	0.22	EPA 8270E	6-17-21	6-17-21	
Benzo[a]anthracene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
Chrysene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
bis(2-Ethylhexyl)phthalate	ND	0.22	EPA 8270E	6-17-21	6-17-21	
Di-n-octylphthalate	ND	0.22	EPA 8270E	6-17-21	6-17-21	
Benzo[b]fluoranthene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
Benzo(j,k)fluoranthene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
Benzo[a]pyrene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
Indeno[1,2,3-cd]pyrene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
Dibenz[a,h]anthracene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
Benzo[g,h,i]perylene	ND	0.0087	EPA 8270E/SIM	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>78</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>86</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>84</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>79</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>85</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>86</i>	<i>41 - 115</i>				



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-67-30					
Laboratory ID:	06-159-01					
Aroclor 1016	ND	0.065	EPA 8082A	6-17-21	6-17-21	
Aroclor 1221	ND	0.065	EPA 8082A	6-17-21	6-17-21	
Aroclor 1232	ND	0.065	EPA 8082A	6-17-21	6-17-21	
Aroclor 1242	ND	0.065	EPA 8082A	6-17-21	6-17-21	
Aroclor 1248	ND	0.065	EPA 8082A	6-17-21	6-17-21	
Aroclor 1254	ND	0.065	EPA 8082A	6-17-21	6-17-21	
Aroclor 1260	ND	0.065	EPA 8082A	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>85</i>	<i>54-135</i>				



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 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-67-30					
Laboratory ID:	06-159-01					
alpha-BHC	ND	6.5	EPA 8081B	6-17-21	6-17-21	
gamma-BHC (Lindane)	ND	6.5	EPA 8081B	6-17-21	6-17-21	
beta-BHC	ND	6.5	EPA 8081B	6-17-21	6-17-21	
delta-BHC	ND	6.5	EPA 8081B	6-17-21	6-17-21	
Heptachlor	ND	6.5	EPA 8081B	6-17-21	6-17-21	
Aldrin	24	6.5	EPA 8081B	6-17-21	6-17-21	
Heptachlor Epoxide	ND	6.5	EPA 8081B	6-17-21	6-17-21	
gamma-Chlordane	ND	6.5	EPA 8081B	6-17-21	6-17-21	
alpha-Chlordane	ND	13	EPA 8081B	6-17-21	6-17-21	
4,4'-DDE	ND	13	EPA 8081B	6-17-21	6-17-21	
Endosulfan I	ND	6.5	EPA 8081B	6-17-21	6-17-21	
Dieldrin	ND	13	EPA 8081B	6-17-21	6-17-21	
Endrin	ND	6.5	EPA 8081B	6-17-21	6-17-21	
4,4'-DDD	ND	13	EPA 8081B	6-17-21	6-17-21	
Endosulfan II	ND	13	EPA 8081B	6-17-21	6-17-21	
4,4'-DDT	ND	13	EPA 8081B	6-17-21	6-17-21	
Endrin Aldehyde	ND	13	EPA 8081B	6-17-21	6-17-21	
Methoxychlor	ND	13	EPA 8081B	6-17-21	6-17-21	
Endosulfan Sulfate	ND	13	EPA 8081B	6-17-21	6-17-21	
Endrin Ketone	ND	13	EPA 8081B	6-17-21	6-17-21	
Toxaphene	ND	65	EPA 8081B	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	66	30-110				
DCB	89	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-67-30					
Laboratory ID:	06-159-01					
Dalapon	ND	240	EPA 8151A	6-17-21	6-18-21	
Dicamba	ND	12	EPA 8151A	6-17-21	6-18-21	
MCPPP	ND	1200	EPA 8151A	6-17-21	6-18-21	
MCPA	ND	3000	EPA 8151A	6-17-21	6-18-21	
Dichlorprop	ND	92	EPA 8151A	6-17-21	6-18-21	
2,4-D	ND	12	EPA 8151A	6-17-21	6-18-21	
Pentachlorophenol	ND	6.2	EPA 8151A	6-17-21	6-18-21	
2,4,5-TP (Silvex)	ND	12	EPA 8151A	6-17-21	6-18-21	
2,4,5-T	ND	12	EPA 8151A	6-17-21	6-18-21	
2,4-DB	ND	12	EPA 8151A	6-17-21	6-18-21	
Dinoseb	ND	12	EPA 8151A	6-17-21	6-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	83	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-67-30					
Laboratory ID:	06-159-01					
Arsenic	ND	13	EPA 6010D	6-17-21	6-17-21	
Cadmium	ND	0.65	EPA 6010D	6-17-21	6-17-21	
Chromium	46	0.65	EPA 6010D	6-17-21	6-17-21	
Copper	9.0	1.3	EPA 6010D	6-17-21	6-17-21	
Lead	ND	6.5	EPA 6010D	6-17-21	6-17-21	
Mercury	ND	0.026	EPA 7471B	6-17-21	6-17-21	
Nickel	33	3.3	EPA 6010D	6-17-21	6-17-21	
Selenium	ND	0.33	EPA 6020B	6-17-21	6-17-21	
Zinc	31	3.3	EPA 6010D	6-17-21	6-17-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
Gasoline	ND	5.0	NWTPH-Gx	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-159-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				97	97	66-129		



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 Project: 6694-002-05 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
Diesel Range Organics	ND	25	NWTPH-Dx	6-17-21	6-17-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	6-17-21	6-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	120	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0617S1							
	ORIG	DUP						
Diesel Fuel #2	102	84.6	NA	NA	NA	NA	19	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				122	112	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Chloromethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromomethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Chloroethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Acetone	ND	0.010	EPA 8260D	6-17-21	6-17-21	
Iodomethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Methylene Chloride	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Butanone	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Bromochloromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Chloroform	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Benzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Trichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Dibromomethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Toluene	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Hexanone	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Chlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Ethylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
m,p-Xylene	ND	0.0020	EPA 8260D	6-17-21	6-17-21	
o-Xylene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Styrene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromoform	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Naphthalene	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-130</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0617S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0551	0.0510	0.0500	0.0500	110	102	71-131	8	19	
Benzene	0.0490	0.0487	0.0500	0.0500	98	97	73-124	1	18	
Trichloroethene	0.0527	0.0505	0.0500	0.0500	105	101	79-130	4	18	
Toluene	0.0493	0.0490	0.0500	0.0500	99	98	76-123	1	18	
Chlorobenzene	0.0497	0.0483	0.0500	0.0500	99	97	78-122	3	18	
<i>Surrogate:</i>										
Dibromofluoromethane					92	94	74-131			
Toluene-d8					96	96	78-128			
4-Bromofluorobenzene					110	112	71-130			



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
n-Nitrosodimethylamine	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Pyridine	ND	0.20	EPA 8270E	6-17-21	6-17-21	
Phenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Aniline	ND	0.10	EPA 8270E	6-17-21	6-17-21	
bis(2-Chloroethyl)ether	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Chlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,3-Dichlorobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,4-Dichlorobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Benzyl alcohol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,2-Dichlorobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Methylphenol (o-Cresol)	ND	0.020	EPA 8270E	6-17-21	6-17-21	
bis(2-Chloroisopropyl)ether	ND	0.020	EPA 8270E	6-17-21	6-17-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.020	EPA 8270E	6-17-21	6-17-21	
n-Nitroso-di-n-propylamine	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Hexachloroethane	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Nitrobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Isophorone	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Nitrophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,4-Dimethylphenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
bis(2-Chloroethoxy)methane	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,4-Dichlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,2,4-Trichlorobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Naphthalene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
4-Chloroaniline	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Hexachlorobutadiene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
4-Chloro-3-methylphenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Methylnaphthalene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
1-Methylnaphthalene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Hexachlorocyclopentadiene	ND	0.028	EPA 8270E	6-17-21	6-17-21	
2,4,6-Trichlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,3-Dichloroaniline	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,4,5-Trichlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Chloronaphthalene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Nitroaniline	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,4-Dinitrobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Dimethylphthalate	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,3-Dinitrobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,6-Dinitrotoluene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,2-Dinitrobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Acenaphthylene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
3-Nitroaniline	ND	0.020	EPA 8270E	6-17-21	6-17-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
2,4-Dinitrophenol	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Acenaphthene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
4-Nitrophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,4-Dinitrotoluene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Dibenzofuran	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,3,5,6-Tetrachlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,3,4,6-Tetrachlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Diethylphthalate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
4-Chlorophenyl-phenylether	ND	0.020	EPA 8270E	6-17-21	6-17-21	
4-Nitroaniline	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Fluorene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
4,6-Dinitro-2-methylphenol	ND	0.10	EPA 8270E	6-17-21	6-17-21	
n-Nitrosodiphenylamine	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,2-Diphenylhydrazine	ND	0.020	EPA 8270E	6-17-21	6-17-21	
4-Bromophenyl-phenylether	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Hexachlorobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Pentachlorophenol	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Phenanthrene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Anthracene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Carbazole	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Di-n-butylphthalate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Fluoranthene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Pyrene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Butylbenzylphthalate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
bis-2-Ethylhexyladipate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
3,3'-Dichlorobenzidine	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Benzo[a]anthracene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Chrysene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
bis(2-Ethylhexyl)phthalate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Di-n-octylphthalate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Benzo[b]fluoranthene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Benzo(j,k)fluoranthene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Benzo[a]pyrene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Indeno[1,2,3-cd]pyrene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Dibenz[a,h]anthracene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Benzo[g,h,i]perylene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	72	26 - 109				
Phenol-d6	76	33 - 113				
Nitrobenzene-d5	75	31 - 110				
2-Fluorobiphenyl	72	42 - 107				
2,4,6-Tribromophenol	82	42 - 123				
Terphenyl-d14	82	41 - 115				



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limits	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0617S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	1.10	1.06	1.33	1.33	83	80	47 - 106	4	30	
2-Chlorophenol	1.11	1.05	1.33	1.33	83	79	51 - 105	6	31	
1,4-Dichlorobenzene	0.556	0.524	0.667	0.667	83	79	49 - 101	6	33	
n-Nitroso-di-n-propylamine	0.588	0.554	0.667	0.667	88	83	50 - 105	6	26	
1,2,4-Trichlorobenzene	0.576	0.541	0.667	0.667	86	81	50 - 107	6	31	
4-Chloro-3-methylphenol	1.21	1.20	1.33	1.33	91	90	58 - 114	1	22	
Acenaphthene	0.548	0.552	0.667	0.667	82	83	52 - 102	1	22	
4-Nitrophenol	1.49	1.53	1.33	1.33	112	115	51 - 126	3	20	
2,4-Dinitrotoluene	0.576	0.565	0.667	0.667	86	85	54 - 108	2	19	
Pentachlorophenol	1.30	1.29	1.33	1.33	98	97	20 - 148	1	30	
Pyrene	0.602	0.613	0.667	0.667	90	92	55 - 112	2	19	
<i>Surrogate:</i>										
2-Fluorophenol					88	84	26 - 109			
Phenol-d6					95	92	33 - 113			
Nitrobenzene-d5					90	90	31 - 110			
2-Fluorobiphenyl					86	86	42 - 107			
2,4,6-Tribromophenol					100	98	42 - 123			
Terphenyl-d14					89	93	41 - 115			



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S2					
Aroclor 1016	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1221	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1232	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1242	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1248	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1254	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1260	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	98		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0617S2										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.568	0.517	0.500	0.500	N/A	114	103	65-134	9	18	
Surrogate:											
DCB						101	95	54-135			



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S2					
alpha-BHC	ND	5.0	EPA 8081B	6-17-21	6-17-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	6-17-21	6-17-21	
beta-BHC	ND	5.0	EPA 8081B	6-17-21	6-17-21	
delta-BHC	ND	5.0	EPA 8081B	6-17-21	6-17-21	
Heptachlor	ND	5.0	EPA 8081B	6-17-21	6-17-21	
Aldrin	ND	5.0	EPA 8081B	6-17-21	6-17-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	6-17-21	6-17-21	
gamma-Chlordane	ND	5.0	EPA 8081B	6-17-21	6-17-21	
alpha-Chlordane	ND	10	EPA 8081B	6-17-21	6-17-21	
4,4'-DDE	ND	10	EPA 8081B	6-17-21	6-17-21	
Endosulfan I	ND	5.0	EPA 8081B	6-17-21	6-17-21	
Dieldrin	ND	10	EPA 8081B	6-17-21	6-17-21	
Endrin	ND	5.0	EPA 8081B	6-17-21	6-17-21	
4,4'-DDD	ND	10	EPA 8081B	6-17-21	6-17-21	
Endosulfan II	ND	10	EPA 8081B	6-17-21	6-17-21	
4,4'-DDT	ND	10	EPA 8081B	6-17-21	6-17-21	
Endrin Aldehyde	ND	10	EPA 8081B	6-17-21	6-17-21	
Methoxychlor	ND	10	EPA 8081B	6-17-21	6-17-21	
Endosulfan Sulfate	ND	10	EPA 8081B	6-17-21	6-17-21	
Endrin Ketone	ND	10	EPA 8081B	6-17-21	6-17-21	
Toxaphene	ND	50	EPA 8081B	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	72	30-110				
DCB	87	40-117				



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0617S3										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	72.6	72.9	100	100	N/A	73	73	65-115	0	15	
gamma-BHC (Lindane)	73.3	74.4	100	100	N/A	73	74	69-116	1	15	
beta-BHC	91.8	93.2	100	100	N/A	92	93	63-116	2	15	
delta-BHC	72.2	73.8	100	100	N/A	72	74	66-116	2	15	
Heptachlor	87.7	91.5	100	100	N/A	88	91	63-119	4	15	
Aldrin	84.5	87.8	100	100	N/A	85	88	60-116	4	15	
Heptachlor Epoxide	90.0	92.9	100	100	N/A	90	93	65-116	3	15	
gamma-Chlordane	80.8	82.8	100	100	N/A	81	83	64-116	2	15	
alpha-Chlordane	79.4	81.9	100	100	N/A	79	82	62-119	3	15	
4,4'-DDE	96.7	99.7	100	100	N/A	97	100	69-120	3	15	
Endosulfan I	90.3	93.2	100	100	N/A	90	93	60-121	3	15	
Dieldrin	85.9	87.4	100	100	N/A	86	87	64-115	2	15	
Endrin	95.9	97.9	100	100	N/A	96	98	62-118	2	15	
4,4'-DDD	103	107	100	100	N/A	103	107	64-124	4	15	
Endosulfan II	85.1	87.5	100	100	N/A	85	88	64-115	3	15	
4,4'-DDT	92.8	95.5	100	100	N/A	93	96	57-130	3	15	
Endrin Aldehyde	89.5	92.0	100	100	N/A	89	92	57-114	3	15	
Methoxychlor	82.8	86.9	100	100	N/A	83	87	49-129	5	15	
Endosulfan Sulfate	82.1	81.7	100	100	N/A	82	82	61-115	0	15	
Endrin Ketone	82.2	84.9	100	100	N/A	82	85	64-116	3	15	
Surrogate:											
TCMX						65	65	30-110			
DCB						75	76	40-117			



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
Dalapon	ND	180	EPA 8151A	6-17-21	6-17-21	
Dicamba	ND	9.4	EPA 8151A	6-17-21	6-17-21	
MCPPE	ND	940	EPA 8151A	6-17-21	6-17-21	
MCPA	ND	2300	EPA 8151A	6-17-21	6-17-21	
Dichlorprop	ND	71	EPA 8151A	6-17-21	6-17-21	
2,4-D	ND	9.4	EPA 8151A	6-17-21	6-17-21	
Pentachlorophenol	ND	4.8	EPA 8151A	6-17-21	6-17-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	6-17-21	6-17-21	
2,4,5-T	ND	9.5	EPA 8151A	6-17-21	6-17-21	
2,4-DB	ND	9.5	EPA 8151A	6-17-21	6-17-21	
Dinoseb	ND	9.5	EPA 8151A	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	69	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0617S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	380	415	1250	1250	N/A	30	33	10-68 9 38
Dicamba	184	192	250	250	N/A	74	77	52-101 4 18
MCPPE	20200	20400	25000	25000	N/A	81	81	63-105 1 21
MCPA	17800	17600	25000	25000	N/A	71	70	45-107 1 21
Dichlorprop	190	190	250	250	N/A	76	76	54-106 0 18
2,4-D	136	144	250	250	N/A	54	58	33-95 6 25
Pentachlorophenol	20.3	21.7	25.0	25.0	N/A	81	87	48-125 7 20
2,4,5-TP (Silvex)	217	228	250	250	N/A	87	91	62-115 5 17
2,4,5-T	152	161	250	250	N/A	61	64	48-108 6 21
2,4-DB	186	189	250	250	N/A	74	76	45-114 2 23
Dinoseb	215	224	250	250	N/A	86	90	51-124 4 27
<i>Surrogate:</i>								
DCAA						90	91	27-134



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617SM1					
Arsenic	ND	10	EPA 6010D	6-17-21	6-17-21	
Cadmium	ND	0.50	EPA 6010D	6-17-21	6-17-21	
Chromium	ND	0.50	EPA 6010D	6-17-21	6-17-21	
Copper	ND	1.0	EPA 6010D	6-17-21	6-17-21	
Lead	ND	5.0	EPA 6010D	6-17-21	6-17-21	
Nickel	ND	2.5	EPA 6010D	6-17-21	6-17-21	
Zinc	ND	2.5	EPA 6010D	6-17-21	6-17-21	
Laboratory ID:	MB0617SM2					
Selenium	ND	0.25	EPA 6020B	6-17-21	6-17-21	
Laboratory ID:	MB0617S1					
Mercury	ND	0.020	EPA 7471B	6-17-21	6-17-21	



Date of Report: June 18, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-159
 Project: 6694-002-05 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	06-152-01									
	ORIG	DUP								
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	28.6	25.3	NA	NA		NA	NA	12	20	
Copper	7.85	7.20	NA	NA		NA	NA	9	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	37.8	34.3	NA	NA		NA	NA	10	20	
Zinc	20.5	19.0	NA	NA		NA	NA	8	20	

Laboratory ID:	06-152-01									
Selenium	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	06-135-01									
Mercury	0.0418	0.0386	NA	NA		NA	NA	8	20	

MATRIX SPIKES

Laboratory ID:	06-152-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	90.0	94.8	100	100	ND	90	95	75-125	5	20
Cadmium	45.0	47.3	50.0	50.0	ND	90	95	75-125	5	20
Chromium	115	121	100	100	28.6	87	92	75-125	5	20
Copper	53.7	57.0	50.0	50.0	7.85	92	98	75-125	6	20
Lead	224	236	250	250	ND	90	94	75-125	5	20
Nickel	124	131	100	100	37.8	86	94	75-125	6	20
Zinc	106	113	100	100	20.5	86	93	75-125	6	20

Laboratory ID:	06-152-01									
Selenium	91.8	94.0	100	100	ND	92	94	75-125	2	20

Laboratory ID:	06-135-01									
Mercury	0.569	0.586	0.500	0.500	0.0418	105	109	80-120	3	20



Date of Report: June 18, 2021
Samples Submitted: June 17, 2021
Laboratory Reference: 2106-159
Project: 6694-002-05 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-67-30	06-159-01	23	6-17-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





OnSite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)

(Check One)

- Same Day
 1 Day
 2 Days
 3 Days
 Standard (7 Days)
 _____ (other)

Laboratory Number:

06-159

Company: GeoEngineers
 Project Number: 6694-002-05 T700
 Project Name: Go East Corp Landfill Site
 Project Manager: Garrett Leque
 Sampled by: Paul Robinette

Lab ID: **IBEX-67-30**

Date Sampled: **6/7** Time Sampled: **8:55** Matrix: **S**

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	X
NWTPH-Dx (Acid / SG Clean-up)	XX
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	X
PAHs 8270D/SIM (low-level)	X
PCBs 8082A	X
Organochlorine Pesticides 8081B	X
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	X
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	X
TOTAL	
HEM (oil and grease) 1664A	
Total Metal - (2)	
% Moisture	X

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	ACE	6/9/21	9:05	
<i>[Signature]</i>	ALPHA	6/11/21	9:05	
<i>[Signature]</i>	ALPHA	6/17/21	9:43	
<i>[Signature]</i>	OSE	6/17/21	0945	

Comments/Special Instructions

*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc

**PCBs as Aroclors

(?) Chromium, Copper, Mercury, Zinc, Silver, and Barium

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)

Received/Date	Signature	Company	Reviewed/Date
Relinquished	<i>[Signature]</i>	ACE	
Received	<i>[Signature]</i>	ALPHA	
Relinquished	<i>[Signature]</i>	ALPHA	
Received	<i>[Signature]</i>	OSE	
Relinquished			
Received			
Reviewed/Date			



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 21, 2021

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2106-167

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on June 17, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 21, 2021
Samples Submitted: June 17, 2021
Laboratory Reference: 2106-167
Project: 6694-002-05 T700

Case Narrative

Samples were collected on June 17, 2021 and received by the laboratory on June 17, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: June 21, 2021
Samples Submitted: June 17, 2021
Laboratory Reference: 2106-167
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
IAEX-68-5	06-167-01	Soil	6-17-21	6-17-21	



Date of Report: June 21, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-167
 Project: 6694-002-05 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-68-5					
Laboratory ID:	06-167-01					
Gasoline	ND	5.9	NWTPH-Gx	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	66-129				



Date of Report: June 21, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-167
 Project: 6694-002-05 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-68-5					
Laboratory ID:	06-167-01					
Diesel Range Organics	ND	29	NWTPH-Dx	6-17-21	6-18-21	X1
Lube Oil Range Organics	ND	57	NWTPH-Dx	6-17-21	6-18-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	118	50-150				



Date of Report: June 21, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-167
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-68-5					
Laboratory ID:	06-167-01					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Chloromethane	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Bromomethane	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
Chloroethane	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Acetone	ND	0.013	EPA 8260D	6-17-21	6-17-21	
Iodomethane	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Methylene Chloride	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Vinyl Acetate	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
2-Butanone	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
Bromochloromethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Chloroform	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Benzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Trichloroethene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Dibromomethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Methyl Isobutyl Ketone	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
Toluene	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-68-5					
Laboratory ID:	06-167-01					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
2-Hexanone	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Chlorobenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Ethylbenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
m,p-Xylene	ND	0.0025	EPA 8260D	6-17-21	6-17-21	
o-Xylene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Styrene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Bromoform	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Bromobenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromo-3-chloropropane	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
Hexachlorobutadiene	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
Naphthalene	ND	0.0063	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>106</i>	<i>71-130</i>				



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-68-5					
Laboratory ID:	06-167-01					
n-Nitrosodimethylamine	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Pyridine	ND	0.38	EPA 8270E	6-17-21	6-18-21	
Phenol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Aniline	ND	0.19	EPA 8270E	6-17-21	6-18-21	
bis(2-Chloroethyl)ether	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2-Chlorophenol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
1,3-Dichlorobenzene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
1,4-Dichlorobenzene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Benzyl alcohol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
1,2-Dichlorobenzene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2-Methylphenol (o-Cresol)	ND	0.038	EPA 8270E	6-17-21	6-18-21	
bis(2-Chloroisopropyl)ether	ND	0.038	EPA 8270E	6-17-21	6-18-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.038	EPA 8270E	6-17-21	6-18-21	
n-Nitroso-di-n-propylamine	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Hexachloroethane	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Nitrobenzene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Isophorone	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2-Nitrophenol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2,4-Dimethylphenol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
bis(2-Chloroethoxy)methane	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2,4-Dichlorophenol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
1,2,4-Trichlorobenzene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Naphthalene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
4-Chloroaniline	ND	0.19	EPA 8270E	6-17-21	6-18-21	
Hexachlorobutadiene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
4-Chloro-3-methylphenol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2-Methylnaphthalene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
1-Methylnaphthalene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
Hexachlorocyclopentadiene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2,4,6-Trichlorophenol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2,3-Dichloroaniline	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2,4,5-Trichlorophenol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2-Chloronaphthalene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2-Nitroaniline	ND	0.038	EPA 8270E	6-17-21	6-18-21	
1,4-Dinitrobenzene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Dimethylphthalate	ND	0.038	EPA 8270E	6-17-21	6-18-21	
1,3-Dinitrobenzene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2,6-Dinitrotoluene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
1,2-Dinitrobenzene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Acenaphthylene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
3-Nitroaniline	ND	0.038	EPA 8270E	6-17-21	6-18-21	



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-68-5					
Laboratory ID:	06-167-01					
2,4-Dinitrophenol	ND	0.19	EPA 8270E	6-17-21	6-18-21	
Acenaphthene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
4-Nitrophenol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2,4-Dinitrotoluene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Dibenzofuran	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2,3,5,6-Tetrachlorophenol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
2,3,4,6-Tetrachlorophenol	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Diethylphthalate	ND	0.19	EPA 8270E	6-17-21	6-18-21	
4-Chlorophenyl-phenylether	ND	0.038	EPA 8270E	6-17-21	6-18-21	
4-Nitroaniline	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Fluorene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270E	6-17-21	6-18-21	
n-Nitrosodiphenylamine	ND	0.038	EPA 8270E	6-17-21	6-18-21	
1,2-Diphenylhydrazine	ND	0.038	EPA 8270E	6-17-21	6-18-21	
4-Bromophenyl-phenylether	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Hexachlorobenzene	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Pentachlorophenol	ND	0.19	EPA 8270E	6-17-21	6-18-21	
Phenanthrene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
Anthracene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
Carbazole	ND	0.038	EPA 8270E	6-17-21	6-18-21	
Di-n-butylphthalate	ND	0.19	EPA 8270E	6-17-21	6-18-21	
Fluoranthene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
Pyrene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
Butylbenzylphthalate	ND	0.19	EPA 8270E	6-17-21	6-18-21	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270E	6-17-21	6-18-21	
3,3'-Dichlorobenzidine	ND	0.19	EPA 8270E	6-17-21	6-18-21	
Benzo[a]anthracene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
Chrysene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270E	6-17-21	6-18-21	
Di-n-octylphthalate	ND	0.19	EPA 8270E	6-17-21	6-18-21	
Benzo[b]fluoranthene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
Benzo(j,k)fluoranthene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
Benzo[a]pyrene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
Indeno[1,2,3-cd]pyrene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
Dibenz[a,h]anthracene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
Benzo[g,h,i]perylene	ND	0.0076	EPA 8270E/SIM	6-17-21	6-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>90</i>	<i>26 - 109</i>				
<i>Phenol-d6</i>	<i>99</i>	<i>33 - 113</i>				
<i>Nitrobenzene-d5</i>	<i>95</i>	<i>31 - 110</i>				
<i>2-Fluorobiphenyl</i>	<i>91</i>	<i>42 - 107</i>				
<i>2,4,6-Tribromophenol</i>	<i>92</i>	<i>42 - 123</i>				
<i>Terphenyl-d14</i>	<i>95</i>	<i>41 - 115</i>				



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PCBs EPA 8082A

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-68-5					
Laboratory ID:	06-167-01					
Aroclor 1016	ND	0.057	EPA 8082A	6-17-21	6-18-21	
Aroclor 1221	ND	0.057	EPA 8082A	6-17-21	6-18-21	
Aroclor 1232	ND	0.057	EPA 8082A	6-17-21	6-18-21	
Aroclor 1242	ND	0.057	EPA 8082A	6-17-21	6-18-21	
Aroclor 1248	ND	0.057	EPA 8082A	6-17-21	6-18-21	
Aroclor 1254	ND	0.057	EPA 8082A	6-17-21	6-18-21	
Aroclor 1260	ND	0.057	EPA 8082A	6-17-21	6-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>91</i>	<i>54-135</i>				



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 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-68-5					
Laboratory ID:	06-167-01					
alpha-BHC	ND	5.7	EPA 8081B	6-17-21	6-18-21	
gamma-BHC (Lindane)	ND	5.7	EPA 8081B	6-17-21	6-18-21	
beta-BHC	ND	5.7	EPA 8081B	6-17-21	6-18-21	
delta-BHC	ND	5.7	EPA 8081B	6-17-21	6-18-21	
Heptachlor	ND	5.7	EPA 8081B	6-17-21	6-18-21	
Aldrin	ND	5.7	EPA 8081B	6-17-21	6-18-21	
Heptachlor Epoxide	ND	5.7	EPA 8081B	6-17-21	6-18-21	
gamma-Chlordane	ND	5.7	EPA 8081B	6-17-21	6-18-21	
alpha-Chlordane	ND	11	EPA 8081B	6-17-21	6-18-21	
4,4'-DDE	ND	11	EPA 8081B	6-17-21	6-18-21	
Endosulfan I	ND	5.7	EPA 8081B	6-17-21	6-18-21	
Dieldrin	ND	11	EPA 8081B	6-17-21	6-18-21	
Endrin	ND	5.7	EPA 8081B	6-17-21	6-18-21	
4,4'-DDD	ND	11	EPA 8081B	6-17-21	6-18-21	
Endosulfan II	ND	11	EPA 8081B	6-17-21	6-18-21	
4,4'-DDT	ND	11	EPA 8081B	6-17-21	6-18-21	
Endrin Aldehyde	ND	11	EPA 8081B	6-17-21	6-18-21	
Methoxychlor	ND	11	EPA 8081B	6-17-21	6-18-21	
Endosulfan Sulfate	ND	11	EPA 8081B	6-17-21	6-18-21	
Endrin Ketone	ND	11	EPA 8081B	6-17-21	6-18-21	
Toxaphene	ND	57	EPA 8081B	6-17-21	6-18-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	63	30-110				
DCB	89	40-117				



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**CHLORINATED ACID
 HERBICIDES EPA 8151A**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-68-5					
Laboratory ID:	06-167-01					
Dalapon	ND	210	EPA 8151A	6-21-21	6-21-21	
Dicamba	ND	11	EPA 8151A	6-21-21	6-21-21	
MCPPP	ND	1100	EPA 8151A	6-21-21	6-21-21	
MCPA	ND	2700	EPA 8151A	6-21-21	6-21-21	
Dichlorprop	ND	81	EPA 8151A	6-21-21	6-21-21	
2,4-D	ND	11	EPA 8151A	6-21-21	6-21-21	
Pentachlorophenol	ND	5.4	EPA 8151A	6-21-21	6-21-21	
2,4,5-TP (Silvex)	ND	11	EPA 8151A	6-21-21	6-21-21	
2,4,5-T	ND	11	EPA 8151A	6-21-21	6-21-21	
2,4-DB	ND	11	EPA 8151A	6-21-21	6-21-21	
Dinoseb	ND	11	EPA 8151A	6-21-21	6-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	61	27-134				



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TOTAL METALS
EPA 6010D/6020B/7471B

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	IAEX-68-5					
Laboratory ID:	06-167-01					
Arsenic	ND	11	EPA 6010D	6-17-21	6-17-21	
Cadmium	ND	0.57	EPA 6010D	6-17-21	6-17-21	
Chromium	28	0.57	EPA 6010D	6-17-21	6-17-21	
Copper	8.3	1.1	EPA 6010D	6-17-21	6-17-21	
Lead	ND	5.7	EPA 6010D	6-17-21	6-17-21	
Mercury	ND	0.023	EPA 7471B	6-17-21	6-17-21	
Nickel	36	2.8	EPA 6010D	6-17-21	6-17-21	
Selenium	ND	0.28	EPA 6020B	6-17-21	6-17-21	
Zinc	22	2.8	EPA 6010D	6-17-21	6-17-21	



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**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
Gasoline	ND	5.0	NWTPH-Gx	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	66-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-159-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				97	97	66-129		



Date of Report: June 21, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-167
 Project: 6694-002-05 T700

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
Diesel Range Organics	ND	25	NWTPH-Dx	6-17-21	6-17-21	X1
Lube Oil Range Organics	ND	50	NWTPH-Dx	6-17-21	6-17-21	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	120	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0617S1							
	ORIG	DUP						
Diesel Fuel #2	102	84.6	NA	NA	NA	NA	19	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				122	112	50-150		



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 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Chloromethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromomethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Chloroethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Acetone	ND	0.010	EPA 8260D	6-17-21	6-17-21	
Iodomethane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Methylene Chloride	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Butanone	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Bromochloromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Chloroform	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Benzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Trichloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Dibromomethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Toluene	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Hexanone	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Chlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Ethylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
m,p-Xylene	ND	0.0020	EPA 8260D	6-17-21	6-17-21	
o-Xylene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Styrene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromoform	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Bromobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
Naphthalene	ND	0.0050	EPA 8260D	6-17-21	6-17-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>74-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-130</i>				



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 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0617S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0551	0.0510	0.0500	0.0500	110	102	71-131	8	19	
Benzene	0.0490	0.0487	0.0500	0.0500	98	97	73-124	1	18	
Trichloroethene	0.0527	0.0505	0.0500	0.0500	105	101	79-130	4	18	
Toluene	0.0493	0.0490	0.0500	0.0500	99	98	76-123	1	18	
Chlorobenzene	0.0497	0.0483	0.0500	0.0500	99	97	78-122	3	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					92	94	74-131			
<i>Toluene-d8</i>					96	96	78-128			
<i>4-Bromofluorobenzene</i>					110	112	71-130			



Date of Report: June 21, 2021
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 Project: 6694-002-05 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
n-Nitrosodimethylamine	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Pyridine	ND	0.20	EPA 8270E	6-17-21	6-17-21	
Phenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Aniline	ND	0.10	EPA 8270E	6-17-21	6-17-21	
bis(2-Chloroethyl)ether	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Chlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,3-Dichlorobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,4-Dichlorobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Benzyl alcohol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,2-Dichlorobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Methylphenol (o-Cresol)	ND	0.020	EPA 8270E	6-17-21	6-17-21	
bis(2-Chloroisopropyl)ether	ND	0.020	EPA 8270E	6-17-21	6-17-21	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.020	EPA 8270E	6-17-21	6-17-21	
n-Nitroso-di-n-propylamine	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Hexachloroethane	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Nitrobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Isophorone	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Nitrophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,4-Dimethylphenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
bis(2-Chloroethoxy)methane	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,4-Dichlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,2,4-Trichlorobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Naphthalene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
4-Chloroaniline	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Hexachlorobutadiene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
4-Chloro-3-methylphenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Methylnaphthalene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
1-Methylnaphthalene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Hexachlorocyclopentadiene	ND	0.028	EPA 8270E	6-17-21	6-17-21	
2,4,6-Trichlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,3-Dichloroaniline	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,4,5-Trichlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Chloronaphthalene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2-Nitroaniline	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,4-Dinitrobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Dimethylphthalate	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,3-Dinitrobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,6-Dinitrotoluene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,2-Dinitrobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Acenaphthylene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
3-Nitroaniline	ND	0.020	EPA 8270E	6-17-21	6-17-21	



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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S1					
2,4-Dinitrophenol	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Acenaphthene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
4-Nitrophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,4-Dinitrotoluene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Dibenzofuran	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,3,5,6-Tetrachlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
2,3,4,6-Tetrachlorophenol	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Diethylphthalate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
4-Chlorophenyl-phenylether	ND	0.020	EPA 8270E	6-17-21	6-17-21	
4-Nitroaniline	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Fluorene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
4,6-Dinitro-2-methylphenol	ND	0.10	EPA 8270E	6-17-21	6-17-21	
n-Nitrosodiphenylamine	ND	0.020	EPA 8270E	6-17-21	6-17-21	
1,2-Diphenylhydrazine	ND	0.020	EPA 8270E	6-17-21	6-17-21	
4-Bromophenyl-phenylether	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Hexachlorobenzene	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Pentachlorophenol	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Phenanthrene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Anthracene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Carbazole	ND	0.020	EPA 8270E	6-17-21	6-17-21	
Di-n-butylphthalate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Fluoranthene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Pyrene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Butylbenzylphthalate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
bis-2-Ethylhexyladipate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
3,3'-Dichlorobenzidine	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Benzo[a]anthracene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Chrysene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
bis(2-Ethylhexyl)phthalate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Di-n-octylphthalate	ND	0.10	EPA 8270E	6-17-21	6-17-21	
Benzo[b]fluoranthene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Benzo(j,k)fluoranthene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Benzo[a]pyrene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Indeno[1,2,3-cd]pyrene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Dibenz[a,h]anthracene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
Benzo[g,h,i]perylene	ND	0.0040	EPA 8270E/SIM	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	72	26 - 109				
Phenol-d6	76	33 - 113				
Nitrobenzene-d5	75	31 - 110				
2-Fluorobiphenyl	72	42 - 107				
2,4,6-Tribromophenol	82	42 - 123				
Terphenyl-d14	82	41 - 115				



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 Project: 6694-002-05 T700

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0617S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	1.10	1.06	1.33	1.33	83	80	47 - 106	4	30	
2-Chlorophenol	1.11	1.05	1.33	1.33	83	79	51 - 105	6	31	
1,4-Dichlorobenzene	0.556	0.524	0.667	0.667	83	79	49 - 101	6	33	
n-Nitroso-di-n-propylamine	0.588	0.554	0.667	0.667	88	83	50 - 105	6	26	
1,2,4-Trichlorobenzene	0.576	0.541	0.667	0.667	86	81	50 - 107	6	31	
4-Chloro-3-methylphenol	1.21	1.20	1.33	1.33	91	90	58 - 114	1	22	
Acenaphthene	0.548	0.552	0.667	0.667	82	83	52 - 102	1	22	
4-Nitrophenol	1.49	1.53	1.33	1.33	112	115	51 - 126	3	20	
2,4-Dinitrotoluene	0.576	0.565	0.667	0.667	86	85	54 - 108	2	19	
Pentachlorophenol	1.30	1.29	1.33	1.33	98	97	20 - 148	1	30	
Pyrene	0.602	0.613	0.667	0.667	90	92	55 - 112	2	19	
<i>Surrogate:</i>										
2-Fluorophenol					88	84	26 - 109			
Phenol-d6					95	92	33 - 113			
Nitrobenzene-d5					90	90	31 - 110			
2-Fluorobiphenyl					86	86	42 - 107			
2,4,6-Tribromophenol					100	98	42 - 123			
Terphenyl-d14					89	93	41 - 115			



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 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-167
 Project: 6694-002-05 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S2					
Aroclor 1016	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1221	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1232	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1242	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1248	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1254	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Aroclor 1260	ND	0.050	EPA 8082A	6-17-21	6-17-21	
Surrogate:	Percent Recovery		Control Limits			
DCB	98		54-135			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	06-168-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.476	0.488	0.500	0.500	ND	95	98	62-129	2	15	
Surrogate:											
DCB						75	82	54-135			



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 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-167
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617S2					
alpha-BHC	ND	5.0	EPA 8081B	6-17-21	6-17-21	
gamma-BHC (Lindane)	ND	5.0	EPA 8081B	6-17-21	6-17-21	
beta-BHC	ND	5.0	EPA 8081B	6-17-21	6-17-21	
delta-BHC	ND	5.0	EPA 8081B	6-17-21	6-17-21	
Heptachlor	ND	5.0	EPA 8081B	6-17-21	6-17-21	
Aldrin	ND	5.0	EPA 8081B	6-17-21	6-17-21	
Heptachlor Epoxide	ND	5.0	EPA 8081B	6-17-21	6-17-21	
gamma-Chlordane	ND	5.0	EPA 8081B	6-17-21	6-17-21	
alpha-Chlordane	ND	10	EPA 8081B	6-17-21	6-17-21	
4,4'-DDE	ND	10	EPA 8081B	6-17-21	6-17-21	
Endosulfan I	ND	5.0	EPA 8081B	6-17-21	6-17-21	
Dieldrin	ND	10	EPA 8081B	6-17-21	6-17-21	
Endrin	ND	5.0	EPA 8081B	6-17-21	6-17-21	
4,4'-DDD	ND	10	EPA 8081B	6-17-21	6-17-21	
Endosulfan II	ND	10	EPA 8081B	6-17-21	6-17-21	
4,4'-DDT	ND	10	EPA 8081B	6-17-21	6-17-21	
Endrin Aldehyde	ND	10	EPA 8081B	6-17-21	6-17-21	
Methoxychlor	ND	10	EPA 8081B	6-17-21	6-17-21	
Endosulfan Sulfate	ND	10	EPA 8081B	6-17-21	6-17-21	
Endrin Ketone	ND	10	EPA 8081B	6-17-21	6-17-21	
Toxaphene	ND	50	EPA 8081B	6-17-21	6-17-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>TCMX</i>	<i>72</i>	<i>30-110</i>				
<i>DCB</i>	<i>87</i>	<i>40-117</i>				



Date of Report: June 21, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-167
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
					Result	Recovery	Limits	Limit			
MATRIX SPIKES											
Laboratory ID:	06-168-03										
	MS	MSD	MS	MSD		MS	MSD				
alpha-BHC	70.3	70.3	100	100	ND	70	70	36-123	0	21	
gamma-BHC (Lindane)	70.2	69.2	100	100	ND	70	69	38-121	1	21	
beta-BHC	62.9	61.2	100	100	ND	63	61	31-125	3	21	
delta-BHC	68.0	66.4	100	100	ND	68	66	37-118	2	23	
Heptachlor	83.0	82.1	100	100	ND	83	82	37-123	1	24	
Aldrin	70.9	68.9	100	100	ND	71	69	45-118	3	22	
Heptachlor Epoxide	84.6	82.3	100	100	ND	85	82	46-114	3	22	
gamma-Chlordane	68.4	65.8	100	100	ND	68	66	41-120	4	23	
alpha-Chlordane	64.7	62.4	100	100	ND	65	62	43-118	4	23	
4,4'-DDE	67.9	66.3	100	100	ND	68	66	34-139	2	22	
Endosulfan I	72.3	70.2	100	100	ND	72	70	43-124	3	25	
Dieldrin	85.3	83.1	100	100	ND	85	83	40-128	3	23	
Endrin	83.4	82.1	100	100	ND	83	82	44-120	2	28	
4,4'-DDD	68.8	68.2	100	100	ND	69	68	42-131	1	21	
Endosulfan II	85.6	83.8	100	100	ND	86	84	47-112	2	22	
4,4'-DDT	61.2	60.0	100	100	ND	61	60	29-141	2	32	
Endrin Aldehyde	68.5	68.4	100	100	ND	68	68	41-114	0	22	
Methoxychlor	78.9	77.2	100	100	ND	79	77	31-139	2	23	
Endosulfan Sulfate	67.5	65.9	100	100	ND	68	66	48-112	2	21	
Endrin Ketone	67.6	66.2	100	100	ND	68	66	46-117	2	22	
Surrogate:											
TCMX						67	62	30-110			
DCB						86	78	40-117			



Date of Report: June 21, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-167
 Project: 6694-002-05 T700

**CHLORINATED ACID
 HERBICIDES EPA 8151A
 QUALITY CONTROL**

Matrix: Soil
 Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0621S1					
Dalapon	ND	180	EPA 8151A	6-21-21	6-21-21	
Dicamba	ND	9.4	EPA 8151A	6-21-21	6-21-21	
MCPPE	ND	940	EPA 8151A	6-21-21	6-21-21	
MCPA	ND	2300	EPA 8151A	6-21-21	6-21-21	
Dichlorprop	ND	71	EPA 8151A	6-21-21	6-21-21	
2,4-D	ND	9.4	EPA 8151A	6-21-21	6-21-21	
Pentachlorophenol	ND	4.8	EPA 8151A	6-21-21	6-21-21	
2,4,5-TP (Silvex)	ND	9.5	EPA 8151A	6-21-21	6-21-21	
2,4,5-T	ND	9.5	EPA 8151A	6-21-21	6-21-21	
2,4-DB	ND	9.5	EPA 8151A	6-21-21	6-21-21	
Dinoseb	ND	9.5	EPA 8151A	6-21-21	6-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCAA	67	27-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS								
Laboratory ID:	SB0621S1							
	SB	SBD	SB	SBD	SB	SBD		
Dalapon	454	439	1250	1250	N/A	36	35	10-68 3 38
Dicamba	220	209	250	250	N/A	88	84	52-101 5 18
MCPPE	22200	21300	25000	25000	N/A	89	85	63-105 4 21
MCPA	20800	19700	25000	25000	N/A	83	79	45-107 5 21
Dichlorprop	203	199	250	250	N/A	81	80	54-106 2 18
2,4-D	175	168	250	250	N/A	70	67	33-95 4 25
Pentachlorophenol	22.9	21.9	25.0	25.0	N/A	91	87	48-125 4 20
2,4,5-TP (Silvex)	232	226	250	250	N/A	93	91	62-115 3 17
2,4,5-T	193	183	250	250	N/A	77	73	48-108 5 21
2,4-DB	204	194	250	250	N/A	82	78	45-114 5 23
Dinoseb	219	204	250	250	N/A	87	82	51-124 7 27
<i>Surrogate:</i>								
DCAA						91	88	27-134



Date of Report: June 21, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-167
 Project: 6694-002-05 T700

**TOTAL METALS
 EPA 6010D/6020B/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0617SM1					
Arsenic	ND	10	EPA 6010D	6-17-21	6-17-21	
Cadmium	ND	0.50	EPA 6010D	6-17-21	6-17-21	
Chromium	ND	0.50	EPA 6010D	6-17-21	6-17-21	
Copper	ND	1.0	EPA 6010D	6-17-21	6-17-21	
Lead	ND	5.0	EPA 6010D	6-17-21	6-17-21	
Nickel	ND	2.5	EPA 6010D	6-17-21	6-17-21	
Zinc	ND	2.5	EPA 6010D	6-17-21	6-17-21	
Laboratory ID:	MB0617SM2					
Selenium	ND	0.25	EPA 6020B	6-17-21	6-17-21	
Laboratory ID:	MB0617S1					
Mercury	ND	0.020	EPA 7471B	6-17-21	6-17-21	



Date of Report: June 21, 2021
 Samples Submitted: June 17, 2021
 Laboratory Reference: 2106-167
 Project: 6694-002-05 T700

TOTAL METALS
EPA 6010D/6020B/7471B
QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD	Flags
					Result	Recovery	Limits	RPD	
DUPLICATE									
Laboratory ID:	06-152-01								
	ORIG	DUP							
Arsenic	ND	ND	NA	NA		NA	NA	NA	20
Cadmium	ND	ND	NA	NA		NA	NA	NA	20
Chromium	28.6	25.3	NA	NA		NA	NA	12	20
Copper	7.85	7.20	NA	NA		NA	NA	9	20
Lead	ND	ND	NA	NA		NA	NA	NA	20
Nickel	37.8	34.3	NA	NA		NA	NA	10	20
Zinc	20.5	19.0	NA	NA		NA	NA	8	20

Laboratory ID:	06-152-01								
Selenium	ND	ND	NA	NA		NA	NA	NA	20

Laboratory ID:	06-135-01								
Mercury	0.0418	0.0386	NA	NA		NA	NA	8	20

MATRIX SPIKES

Laboratory ID:	06-152-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	90.0	94.8	100	100	ND	90	95	75-125	5	20
Cadmium	45.0	47.3	50.0	50.0	ND	90	95	75-125	5	20
Chromium	115	121	100	100	28.6	87	92	75-125	5	20
Copper	53.7	57.0	50.0	50.0	7.85	92	98	75-125	6	20
Lead	224	236	250	250	ND	90	94	75-125	5	20
Nickel	124	131	100	100	37.8	86	94	75-125	6	20
Zinc	106	113	100	100	20.5	86	93	75-125	6	20

Laboratory ID:	06-152-01									
Selenium	91.8	94.0	100	100	ND	92	94	75-125	2	20

Laboratory ID:	06-135-01									
Mercury	0.569	0.586	0.500	0.500	0.0418	105	109	80-120	3	20



Date of Report: June 21, 2021
Samples Submitted: June 17, 2021
Laboratory Reference: 2106-167
Project: 6694-002-05 T700

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
IAEX-68-5	06-167-01	12	6-17-21





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
 - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
 - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
 - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a mercury cleanup procedure.
 - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
 - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





MVA Onsite Environmental Inc.

Analytical Laboratory Testing Services
14649 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Company: GeoEngineers

Project Number: 6694-002-05 T700

Project Name: Go East Corp Landfill Site

Project Manager: Garrett Leque

Sampled by: Paul Robinette

Turnaround Request (In working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Lab ID Sample Identification

1 ITEX-68-5

Date Sampled: 6/17 Time Sampled: 830 Matrix: S

Number of Containers

6

Laboratory Number: 06-167

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	X
NWTPH-Dx <input checked="" type="checkbox"/> Acid / SG Clean-up	XX
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	X
PAHs 8270D/SIM (low-level)	X
PCBs 8082A PCB	X
Organochlorine Pesticides 8081B	X
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	X
Total RCRA Metals	
Total MTCA Metals	
Total Metals TOTAL *	X
HEM (oil and grease) 1664A	
Total Metal - (2)	
% Moisture	X

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	GE	6/17/12	14:00	*Total Metals include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, and zinc
<i>[Signature]</i>	GE	6/17/12	14:00	**PCB's as Aroclors
<i>[Signature]</i>	GE	6/17/12	14:32	(2) Chromium, Copper, Mercury, Zinc, Silver, and Barium
<i>[Signature]</i>	GE	6/17/12	14:32	

Received _____

Relinquished _____

Received _____

Relinquished _____

Received _____

Relinquished _____

Reviewed/Date _____

Reviewed/Date _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)

APPENDIX C
Soil Disposal Documentation

REGIONAL DISPOSAL COMPANY INTERMODA
 PO BOX 677839
 DALLAS, TX 75267-7839
 (206) 332-7731

INVOICE

TO:
 P&GE LLC
 11255 Kirkland Way, Suite 300
 Kirkland, WA 98033

INVOICE NO. 0000054817
 PAGE 1
 DATE Jun-15-21
 CUSTOMER NO. 333709
 MC-19294
 SITE NO.
 REFERENCE NO.

4330 108th Street SE

SERVICE DATE	CODE	DESCRIPTION	REFERENCE	QTY.	AMOUNT
03 - Jun	VG	Vehicle: 43 WRECKING BALL SW-CONT SOIL	01-995514	11.57 TN	\$647.92
03 - Jun	VG	Vehicle: 43 WRECKING BALL SW-CONT SOIL	01-995524	14.27 TN	\$799.12
04 - Jun	VG	Vehicle: 43 WRECKING BALL SW-CONT SOIL	01-995539	12.29 TN	\$688.24
04 - Jun	VG	Vehicle: WRECKING BALL SW-CONT SOIL	01-995549	16.07 TN	\$899.92
09 - Jun	VG	Vehicle: WRECKING BALL SW-CONT SOIL	01-995657	12.51 TN	\$700.56
<u>Material Summary</u>					
	VG	SW-CONT SOIL		66.71 TN	

Account Status

Payment due upon receipt of this invoice. 1.5% per month (18% per annum) late charge on balances over 30 days from date of invoice.
 Payments received after invoice date are not reflected.
 To ensure proper credit, please include your account number on your check and include the bottom portion of this invoice. When making payment on multiple accounts, please include the account numbers and the amounts of payment.

CURRENT

31 - 60 DAYS

61 - 90 DAYS

OVER 90 DAYS

(\$1,864.24)

\$0.00

\$0.00

\$0.00

TOTAL THIS INVOICE

\$3,735.76

PLEASE PAY THIS AMOUNT

\$0.00

We reserve the right to suspend service without notice on any past due account.

Please remit to:

INVOICE NO. 0000054817
 PAGE 1
 DATE Jun-15-21
 CUSTOMER NO. 333709
 SITE NO.
 REFERENCE NO.

REGIONAL DISPOSAL COMPANY INTERMODA
 PO BOX 677839
 DALLAS, TX 75267-7839
 (206) 332-7731

AMOUNT OF REMITTANCE

PLEASE RETURN THIS PORTION WITH REMITTANCE

REMARKS

*** Please reference your invoice number on each check stub ***
 For Billing Inquiries Call: 206-332-7731 Email: ACampbell@republicservices.com

REGIONAL DISPOSAL COMPANY INTERMODA
 PO BOX 677839
 DALLAS, TX 75267-7839
 (206) 332-7731

INVOICE

TO:

P&GE LLC
 11255 Kirkland Way, Suite 300
 Kirkland, WA 98033

INVOICE NO. 0000054874
 PAGE 1
 DATE Jun-30-21
 CUSTOMER NO. 333709 MC-19294
 SITE NO.
 REFERENCE NO.

4330 108th Street SE

SERVICE DATE	CODE	DESCRIPTION	REFERENCE	QTY.	AMOUNT
21 - Jun	VG	Vehicle: WRECKING BALL SW-CONT SOIL	01-996253	12.07 TN	\$675.92
29 - Jun	VG	Vehicle: 49 WRECKING BALL SW-CONT SOIL	01-996565	15.74 TN	\$881.44
----- <u>Material Summary</u>					
	VG	SW-CONT SOIL		27.81 TN	

Account Status

Payment due upon receipt of this invoice. 1.5% per month (18% per annum) late charge on balances over 30 days from date of invoice.
 Payments received after invoice date are not reflected.
 To ensure proper credit, please include your account number on your check and include the bottom portion of this invoice. When making payment on multiple accounts, please include the account numbers and the amounts of payment.

CURRENT	31 - 60 DAYS	61 - 90 DAYS	OVER 90 DAYS	TOTAL THIS INVOICE
(\$306.88)	\$0.00	\$0.00	\$0.00	\$1,557.36
				PLEASE PAY THIS AMOUNT
				\$0.00

We reserve the right to suspend service without notice on any past due account.

Please remit to:

INVOICE NO.	0000054874	REGIONAL DISPOSAL COMPANY INTERMODA	AMOUNT OF REMITTANCE
PAGE	1	PO BOX 677839	
DATE	Jun-30-21	DALLAS, TX 75267-7839	
CUSTOMER NO.	333709	(206) 332-7731	
SITE NO.			
REFERENCE NO.			

PLEASE RETURN THIS PORTION WITH REMITTANCE

REMARKS

*** Please reference your invoice number on each check stub ***

For Billing Inquiries Call: 206-332-7731 Email: ACampbell@republicservices.com

APPENDIX D
Asbestos-Containing Material Disposal Documentation

From: [Marty Penhallegon](#)
To: [Garrett R. Leque](#); [Jay Pullen](#)
Subject: RE: Disposal Documentation
Date: Monday, July 12, 2021 9:38:07 AM
Attachments: [Snake River Printer_20210712_083308.pdf](#)

[EXTERNAL]

Garrett, please find attached the Wrecking Ball bill showing the weight of the roof structure that had asbestos that was removed. Let me know if you need anything more. Looks like total weight was 247 tons. Thanks

Marty Penhallegon, PE
President
11255 Kirkland Way | Suite 300
Kirkland WA 98033
425.827.2014



Connect with us at [LinkedIn](#) | [Instagram](#) | [Facebook](#) | [PACEngrs.com](#)

Voted Zweig Best Places to Work and PSBJ Top 100 Fastest Growing Firms in the Northwest

From: Garrett R. Leque <gleque@geoengineers.com>
Sent: Thursday, July 8, 2021 10:58 AM
To: Marty Penhallegon <Martyp@paceengrs.com>; Jay Pullen <JayP@paceengrs.com>
Subject: RE: Disposal Documentation

Thanks Marty. So it looks like a total of 94.52 tons of soil disposed offsite. Do you also have the ACM pile disposal docs?

Thanks,
Garrett

From: Marty Penhallegon <Martyp@paceengrs.com>
Sent: Thursday, July 8, 2021 10:46 AM
To: Garrett R. Leque <gleque@geoengineers.com>; Jay Pullen <JayP@paceengrs.com>
Subject: RE: Disposal Documentation

[EXTERNAL]

Bills for Republic. Thanks

Marty Penhallegon, PE
President
11255 Kirkland Way | Suite 300
Kirkland WA 98033
425.827.2014



Connect with us at [LinkedIn](#) | [Instagram](#) | [Facebook](#) | [PACEngrs.com](#)

Voted Zweig Best Places to Work and PSBJ Top 100 Fastest Growing Firms in the Northwest

From: Garrett R. Leque <gleque@geoengineers.com>

SITE **GENERAL DISPOSAL INTERMODAL 425-977-4127**
3rd and lander -Seattle, WA

CUSTOMER 015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995169	CELL
WEIGHMASTER Timothy T.		
DATE/TIME IN 5/20/21 1:30 pm	DATE/TIME OUT 5/20/21 1:45 pm	
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	49,020	NET TONS	8.21	INBOUND
SCALE OUT TARE WEIGHT	32,600	NET WEIGHT	16,420	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
8.21	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				
		Signature _____				



NET AMOUNT
1169.93
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

REGIONAL DISPOSAL INTERMODAL 425-977-4127

3rd and lander -Seattle, WA

CUSTOMER 015489

Wrecking Ball Demolition

3310 Chestnut Street

Everett, WA 98201-4576

Contract:TB-21841

SITE 01	TICKET # 995160	CELL
WEIGHMASTER Timothy T.		
DATE/TIME IN 5/20/21 12:24 pm	DATE/TIME OUT 5/20/21 12:51 pm	
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE JON		
BILL OF LADING		

SCALE IN GROSS WEIGHT 48,280 NET TONS 9.54

INBOUND

SCALE OUT TARE WEIGHT 29,200 NET WEIGHT 19,080

INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
9.54	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				
		Signature _____				



NET AMOUNT

\$ 1359.45

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995169	CELL
WEIGHMASTER Timothy T.		
DATE/TIME IN 5/20/21 1:30 pm		DATE/TIME OUT 5/20/21 1:45 pm
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	49,020	NET TONS	8.21	INBOUND
SCALE OUT	TARE WEIGHT	32,600	NET WEIGHT	16,420	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
8.21	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				

Signature *Avron*

NET AMOUNT
\$1169.93
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127 3rd and lander Seattle, WA
CUSTOMER 015489 Wrecking Ball Demolition 3310 Chestnut Street Everett, WA 98201-4576 Contract:TB-21841

SITE 01	TICKET # 995160	CELL
WEIGHMASTER		
DATE/TIME IN 5/20/21 12:24 pm	Timothy T.	DATE/TIME OUT 5/20/21 12:51 pm
VEHICLE	WRECKING BALL	CONTAINER
REFERENCE JON		
BILL OF LADING		

SCALE IN GROSS WEIGHT 48,280 NET TONS 9.54 INBOUND
SCALE OUT TARE WEIGHT 29,200 NET WEIGHT 19,080 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
9.54	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				


Don
 Signature _____

NET AMOUNT
1359.45
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING BALL DEMOLITION OS GC94485046

Address 4338 103rd ST. EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

[Signature] 05.20.21
Signature of Authorized Agent Date

Printed name and title: WILL MCINTOSH

For: BAKERVUE / GO LANDFILL AELO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING BALL DEMOLITION 1058352

Address 4330 108TH ST EVERETT, WA TOLU467091

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

[Signature] 05.20.21
Signature of Authorized Agent Date

Printed name and title: WILL MCINTOSH / FOREMAN

For: BAKER VIEW / GO LANDFILL PERO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING-BALL DEMOLITION

~~3~~ TOLL 901151

Address 4330 108TH ST. SE EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.


Signature of Authorized Agent

05.20.21
Date

Printed name and title: WILL MCINTOSH ABATEMENT FOREMAN

For: BAKEVIEW/GO LANDFILL
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Contractor's Name WRECKING-BALL DEMOLITION Cont # 06
Address 4330 108TH ST. EVERETT, WA ~~_____~~

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will McIntosh Signature of Authorized Agent Date 05.20.21

Printed name and title: WILL MCINTOSH / FOREMAN

For: BAKER VIEW / GO LANDFILL Generator AERO CONSTRUCTION CO.



SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576

Contract:TB-21841

SITE 01	TICKET # 995204	CELL
WEIGHMASTER IN - Timothy T. OUT - Karyn B.		
DATE/TIME IN 5/21/21 11:36 am	DATE/TIME OUT 5/21/21 11:44 am	
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	43,200	NET TONS	7.73	INBOUND
SCALE OUT TARE WEIGHT	27,740	NET WEIGHT	15,460	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
7.73	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				



Signature

NET AMOUNT
\$1101.53
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576

Contract:TB-21841

SITE 01	TICKET # 995187	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 5/21/21 6:58 am		DATE/TIME OUT 5/21/21 7:06 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING GCEU425046		

SCALE IN GROSS WEIGHT	46,360	NET TONS	9.23	INBOUND
SCALE OUT TARE WEIGHT	27,900	NET WEIGHT	18,460	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
9.23	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				

Signature _____

NET AMOUNT
\$ 1315.28
TENDERED
CHANGE
CHECK#

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SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576

Contract:TB-21841

SITE 01	TICKET # 995195	CELL
WEIGHMASTER IN - Timothy T. OUT - Karyn B.		
DATE/TIME IN 5/21/21 9:46 am		DATE/TIME OUT 5/21/21 9:57 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	46,500	NET TONS	9.33	INBOUND
SCALE OUT TARE WEIGHT	27,840	NET WEIGHT	18,660	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
9.33	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				



Signature _____

NET AMOUNT
\$1329.53
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING BALL DEMOLITION

04

Address 4330 108TH ST. EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will Muntosh
Signature of Authorized Agent

05.21.21
Date

Printed name and title: WILL MUNTOSH

For: BAKerview / GO LANDFILL AERO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING BALL DEMOLITION 05

Address 4330 108TH ST EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will McIntosh 05.21.21
Signature of Authorized Agent Date

Printed name and title: WILL MCINTOSH - FOREMAN

For: BAKER VIEW / GO LANDFILL AEKO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING-BAG DEMOLITION 04

Address 4330 108TH ST FURRETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will McIntosh 05.21.21
Signature of Authorized Agent Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKERVILLE / GO LANDFILL AERO CONSTRUCTION CO.
Generator



SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576

Contract:TB-21841

SITE 01	TICKET # 995228	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 5/24/21 11:25 am		DATE/TIME OUT 5/24/21 11:51 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE JON		
BILL OF LADING TOLU467490		

SCALE IN GROSS WEIGHT	43,140	NET TONS	7.54	INBOUND
SCALE OUT TARE WEIGHT	28,060	NET WEIGHT	15,080	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
7.54	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				



Signature _____

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

NET AMOUNT
\$1074.45
TENDERED
CHANGE
CHECK#

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576
Contract: TB-21841

SITE 01	TICKET # 995221	CELL
WEIGHMASTER LARRY C.		
DATE/TIME IN 5/24/21 9:02 am		DATE/TIME OUT 5/24/21 9:11 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE JOHN		
BILL OF LADING		

SCALE IN GROSS WEIGHT	44,180	NET TONS	8.03	INBOUND
SCALE OUT TARE WEIGHT	28,120	NET WEIGHT	16,060	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
8.03	tn	SW-ASBESTOS-NON FRIABLE Origin: SEATTLE/KING 100%				



Signature _____

NET AMOUNT
\$ 1144.28
TENDERED
CHANGE
CHECK#

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SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995226	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 5/24/21 10:29 am		DATE/TIME OUT 5/24/21 10:48 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING TOLU467490		

SCALE IN GROSS WEIGHT	56,160	NET TONS	11.11	INBOUND
SCALE OUT TARE WEIGHT	33,940	NET WEIGHT	22,220	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.11	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				



Signature _____

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576

Contract:TB-21841

SITE 01	TICKET # 995229	CELL
WEIGHMASTER Timothy T.		
DATE/TIME IN 5/24/21 12:39 pm	DATE/TIME OUT 5/24/21 12:54 pm	
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING		

SCALE IN GROSS WEIGHT	50,840	NET TONS	9.01	INBOUND
SCALE OUT TARE WEIGHT	32,820	NET WEIGHT	18,020	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
9.01	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				



Signature _____

NET AMOUNT
TENDERED
CHANGE
CHECK#

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REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Contractor's Name WRECKINGBALL DEMOLITION Cont # 03T&L46749D
Address 4330 108th ST EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will McIntosh Signature of Authorized Agent Date 05.24.21

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKERVIEW / GO LAND FILL Generator AERO CONSTRUCTION CO.



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Contractor's Name wrecking ball Demo Cont # TDLU467498
Address 4330 109th St S.E. Everett WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

[Signature] 5/24/21
Signature of Authorized Agent Date

Printed name and title: Anthony Harrington

For: Bakerview/Go Landfill
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING BALL DEMOLITION 05

Address 4330 108TH ST EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will McIntosh 05.24.21
Signature of Authorized Agent Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKERVIEW / GO LANDFILL HERO CONSTRUCTION
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING-BACK DEMOLITION

01

Address 4330 108th ST EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

[Signature]
Signature of Authorized Agent

05.24.21
Date

Printed name and title: WILL MCINTOSH

FOREMAN

For: BAKER VIEW / GO LANDFILL
Generator

ALCO CONSTRUCTION



SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995255	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 5/25/21 10:46 am		DATE/TIME OUT 5/25/21 11:00 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING TOLU453932		

SCALE IN GROSS WEIGHT	52,140	NET TONS	9.63	INBOUND
SCALE OUT TARE WEIGHT	32,880	NET WEIGHT	19,260	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
9.63	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				



Signature _____

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576

Contract:TB-21841

SITE 01	TICKET # 995273	CELL
WEIGHMASTER Timothy T.		
DATE/TIME IN 5/25/21 1:29 pm		DATE/TIME OUT 5/25/21 1:40 pm
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING		

SCALE IN GROSS WEIGHT	54,540	NET TONS	10.79	INBOUND
SCALE OUT TARE WEIGHT	32,960	NET WEIGHT	21,580	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
10.79	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				
		Signature _____				



NET AMOUNT
TENDERED
CHANGE
CHECK#

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REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Contractor's Name WRECKINGBALL DEMOLITION Cont # 05 TOLU 453932
Address 4330 108th ST EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

[Signature] 05.25.21
Signature of Authorized Agent Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKERVIEW / 60 LANDFILL AERO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING-BACK DEMOLITION 06

Address 4330 108TH ST EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

[Signature]
Signature of Authorized Agent

05.25-21
Date

Printed name and title: WILL McINTOSH FOREMAN

For: BAKERVIEW / GO LANDFILL AERO CONSTRUCTION
Generator




SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995320	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 5/26/21 10:28 am		DATE/TIME OUT 5/26/21 10:41 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE JON		
BILL OF LADING GCEU425927		

SCALE IN GROSS WEIGHT	46,140	NET TONS	9.09	INBOUND
SCALE OUT TARE WEIGHT	27,960	NET WEIGHT	18,180	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
9.09	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				



Signature _____

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576

Contract:TB-21841

SITE 01	TICKET # 995355	CELL
WEIGHMASTER Timothy T.		
DATE/TIME IN 5/26/21 1:41 pm	DATE/TIME OUT 5/26/21 1:49 pm	
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING		

SCALE IN GROSS WEIGHT 52,000	NET TONS 9.67	INBOUND
SCALE OUT TARE WEIGHT 32,660	NET WEIGHT 19,340	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
9.67	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				

Signature _____

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995338	CELL
WEIGHMASTER IN - Timothy T. OUT - Karyn B.		
DATE/TIME IN 5/26/21 12:36 pm		DATE/TIME OUT 5/26/21 12:48 pm
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	45,300	NET TONS	8.67	INBOUND
SCALE OUT TARE WEIGHT	27,960	NET WEIGHT	17,340	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
8.67	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				
		Signature _____				



NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576
Contract:TB-21841

SITE 01	TICKET # 995329	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 5/26/21 11:24 am	DATE/TIME OUT 5/26/21 11:35 am	
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING GCEU425927		

SCALE IN GROSS WEIGHT	49,700	NET TONS	8.48	INBOUND
SCALE OUT TARE WEIGHT	32,740	NET WEIGHT	16,960	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
8.48	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				
		Signature _____				



NET AMOUNT
TENDERED
CHANGE
CHECK#

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SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
 3rd and lander Seattle, WA

CUSTOMER 015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995290	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 5/26/21 7:02 am	DATE/TIME OUT 5/26/21 7:09 am	
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE JON		
BILL OF LADING GCEU425927		

SCALE IN GROSS WEIGHT	47,780	NET TONS	9.74	INBOUND
SCALE OUT TARE WEIGHT	28,300	NET WEIGHT	19,480	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
9.74	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				
		Signature _____				



NET AMOUNT
TENDERED
CHANGE
CHECK#

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REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING BALL DEMOLITION

GEN 425927

Address 4330 108th ST EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will McIntosh
Signature of Authorized Agent

05.26.21
Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKERVIEW / GO LANDFILL AERO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING BALL DEMOLITION

Address 4330 108TH ST EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will McIntosh 05.26.21
Signature of Authorized Agent Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKER VIEW / GO LAND FILL AECO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING-BALL DEMOLITION

Address 4330 108th ST. EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will Muntosh Signature of Authorized Agent 05.26.21 Date

Printed name and title: WILL MUNTOSH FOREMAN

For: BAKERVIEW / GO LAND FILL PERO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WILKINSON BAC DEMOLITION GRU 425927

Address 4330 108th ST EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will McIntosh
Signature of Authorized Agent

05.26.21
Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKERVIEW / GO LANDFILL ARCO CONSTRUCTION CO.
Generator



SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576
Contract:TB-21841

SITE 01	TICKET # 995377	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 5/27/21 10:54 am		DATE/TIME OUT 5/27/21 11:08 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE JON		
BILL OF LADING GCEU431835		

SCALE IN GROSS WEIGHT	46,820	NET TONS	9.34	INBOUND
SCALE OUT TARE WEIGHT	28,140	NET WEIGHT	18,680	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
9.34	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				
Signature						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995389	CELL
WEIGHMASTER IN - Timothy T. OUT - Karyn B.		
DATE/TIME IN 5/27/21 12:11 pm		DATE/TIME OUT 5/27/21 12:21 pm
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING GCEU431835		

SCALE IN GROSS WEIGHT	54,640	NET TONS	10.31	INBOUND
SCALE OUT TARE WEIGHT	34,020	NET WEIGHT	20,620	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
10.31	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				

Signature _____



NET AMOUNT
TENDERED
CHANGE
CHECK#

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SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995361	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 5/27/21 7:01 am		DATE/TIME OUT 5/27/21 7:13 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE JON		
BILL OF LADING XCXU825870		

SCALE IN GROSS WEIGHT	44,480	NET TONS	7.71	INBOUND
SCALE OUT TARE WEIGHT	29,060	NET WEIGHT	15,420	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
7.71	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				
		Signature _____				

NET AMOUNT
TENDERED
CHANGE
CHECK#


The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995372	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 5/27/21 9:08 am		DATE/TIME OUT 5/27/21 9:19 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING GCEU425439		

SCALE IN GROSS WEIGHT 51,000 NET TONS 8.96 INBOUND
 SCALE OUT TARE WEIGHT 33,080 NET WEIGHT 17,920 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
8.96	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				
						
Signature _____						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576

Contract:TB-21841

SITE 01	TICKET #	995401	CELL
WEIGHMASTER		Timothy T.	
DATE/TIME IN	5/27/21	1:37 pm	DATE/TIME OUT 5/27/21 1:47 pm
VEHICLE	WRECKING BALL		CONTAINER
REFERENCE	JOHN		
BILL OF LADING			

SCALE IN GROSS WEIGHT 49,480 NET TONS 10.69
 SCALE OUT TARE WEIGHT 28,100 NET WEIGHT 21,380

INBOUND
 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
10.69	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				
		Signature _____				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING BACK DEMOLITION GCEU431835

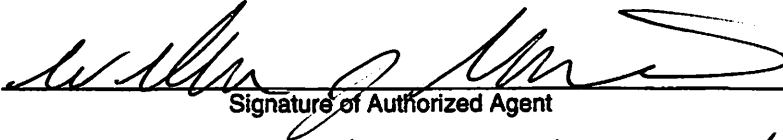
Address 4330 108th ST. EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.


Signature of Authorized Agent

05.27.21
Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKKEVIEW/ GO LANDFILL ACRO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING BALL DEMOLITION

Address 4330 108TH ST. EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

[Signature] 05.27.21
Signature of Authorized Agent Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKERVIEW CO LANDFILL AEVO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING BALL DEMOLITION

Address 4330 108TH ST. EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will McIntosh 05.27.21
Signature of Authorized Agent Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKERVIEW / GO LANDFILL AERO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING-BALL DEMOLITION

GCEN425439

Address 4330 108th ST EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

Will McIntosh
Signature of Authorized Agent

05.27.21
Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKER VIEW / GO LANDFILL AERO CONSTRUCTION CO.
Generator



SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995412	CELL
WEIGHMASTER Timothy T.		
DATE/TIME IN 5/28/21 8:01 am		DATE/TIME OUT 5/28/21 8:11 am
VEHICLE WRECKING BALL		CONTAINER
REFERENCE JOHN		
BILL OF LADING TOLU466547		

SCALE IN GROSS WEIGHT	50,380	NET TONS	11.14	INBOUND
SCALE OUT TARE WEIGHT	28,100	NET WEIGHT	22,280	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.14	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				

Signature _____

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
 3rd and lander Seattle, WA

CUSTOMER 015489
 Wrecking Ball Demolition
 3310 Chestnut Street
 Everett, WA 98201-4576
 Contract:TB-21841

SITE 01	TICKET # 995423	CELL
WEIGHMASTER IN - Timothy T. OUT - Karyn B.		
DATE/TIME IN 5/28/21 10:45 am		DATE/TIME OUT 5/28/21 10:54 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE JON		
BILL OF LADING GCEU430275		

SCALE IN GROSS WEIGHT	56,880	NET TONS	14.48	INBOUND
SCALE OUT TARE WEIGHT	27,920	NET WEIGHT	28,960	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.48	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				
		Signature _____				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576

Contract:TB-21841

SITE 01	TICKET # 995417	CELL
WEIGHMASTER Timothy T.		
DATE/TIME IN 5/28/21 9:18 am	DATE/TIME OUT 5/28/21 9:28 am	
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING TOLU466547		

SCALE IN GROSS WEIGHT	59,840	NET TONS	12.96	INBOUND
SCALE OUT TARE WEIGHT	33,920	NET WEIGHT	25,920	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.96	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				

Signature _____



NET AMOUNT
TENDERED
CHANGE
CHECK#

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REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKINGBALL DEMOLITION

TOLU 466547

Address 4330 108th ST. EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.


Signature of Authorized Agent

05.28.21

Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKERVIEW / GO LANDFILL AERO CONSTRUCTION CO.
Generator



REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name WRECKING BALL DEMOLITION

Address 4330 108TH ST EVERETT, WA

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.

 05.28.21
Signature of Authorized Agent Date

Printed name and title: WILL MCINTOSH FOREMAN

For: BAKERVIEW / GO LANDFILL AERO CONSTRUCTION CO.
Generator



SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 015489
Wrecking Ball Demolition
3310 Chestnut Street
Everett, WA 98201-4576

Contract:TB-21841

SITE 01	TICKET # 995435	CELL
WEIGHMASTER Timothy T.		
DATE/TIME IN 5/28/21 1:31 pm	DATE/TIME OUT 5/28/21 1:39 pm	
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE JON		
BILL OF LADING GCEU430275		

SCALE IN GROSS WEIGHT	44,920	NET TONS	7.82	INBOUND
SCALE OUT TARE WEIGHT	29,280	NET WEIGHT	15,640	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
7.82	tn	SW-ASBESTOS-NON FRIABLE Origin:SEATTLE/KING 100%				

Signature _____



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REGIONAL DISPOSAL COMPANY

NON-FRIABLE ASBESTOS CERTIFICATION FORM

Cont #

Contractor's Name Wreckingball Demo, GCEU 430 275

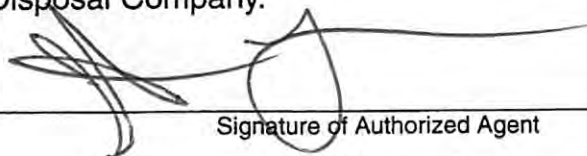
Address 4330 108th St. SE Everett WA.

For handling as non-friable asbestos the Generator certifies that:

1. For non-roofing material, the asbestos content is less than 1% as determined by polarized light microscopy using the Interim Method of the Determination of Asbestos in Bulk Samples contained in Appendix A of Subpart F in 40 CFR Part 763.

2. For roofing material, the asbestos-containing roofing material is in good condition and is not peeling, cracking or crumbling; the binder is petroleum-based, the asbestos fibers are suspended in that base, and individual fibers are still encapsulated; the binder still exhibits enough plasticity to prevent the release of asbestos fibers in the process of removing it; and the building, vessel, or structure containing the asbestos-containing roofing material will not be demolished by burning or mechanical renovation/demolition methods that may release asbestos fibers.

3. To the best of the generator's knowledge, there have been no alterations to the asbestos-containing waste that would affect the accuracy of the analyses; that there have been no material changes in the character of the asbestos-containing waste after the analyses were performed which would render those analyses inaccurate; and that the samples analyzed are representative of the asbestos-containing wastes to be tendered to Regional Disposal Company.


Signature of Authorized Agent

5-28-21
Date

Printed name and title: Jonathan Faris Driver

For: Baker view landfill
Generator



SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
 3rd and lander Seattle, WA

CUSTOMER333709
 P&GE LLC
 11255 Kirkland Way, Suite 300
 Kirkland, WA 98033
 Contract:MC-19294

SITE 01	TICKET # 995514	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 6/3/21 9:57 am	DATE/TIME OUT 6/3/21 10:06 am	
VEHICLE 43 WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 51,280 NET TONS 11.57 INBOUND
 SCALE OUT TARE WEIGHT 28,140 NET WEIGHT 23,140 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.57	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

Signature _____

NET AMOUNT
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RS-F042UPR (04/19) SIGNATURE _____

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
 3rd and lander -Seattle, WA

CUSTOMER333709
 P&GE LLC
 11255 Kirkland Way, Suite 300
 Kirkland, WA 98033
 Contract:MC-19294

SITE 01	TICKET # 995514	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 6/3/21 9:57 am	DATE/TIME OUT 6/3/21 10:06 am	
VEHICLE 43 WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 51,280 NET TONS 11.57 INBOUND
 SCALE OUT TARE WEIGHT 28,140 NET WEIGHT 23,140 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.57	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

Signature _____

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SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
 3rd and lander Seattle, WA

CUSTOMER 333709
 P&GE LLC
 11255 Kirkland Way, Suite 300
 Kirkland, WA 98033
 Contract:MC-19294

SITE 01	TICKET # 995524	CELL
WEIGHMASTER IN - Karyn B. OUT - Timothy T.		
DATE/TIME IN 6/3/21 11:59 am	DATE/TIME OUT 6/3/21 12:21 pm	
VEHICLE 43 WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 56,320 NET TONS 14.27 INBOUND
 SCALE OUT TARE WEIGHT 27,780 NET WEIGHT 28,540 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.27	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

Signature _____



NET AMOUNT
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 3rd and lander -Seattle, WA

CUSTOMER 333709
 P&GE LLC
 11255 Kirkland Way, Suite 300
 Kirkland, WA 98033
 Contract:MC-19294

SITE 01	TICKET # 995524	CELL
WEIGHMASTER IN - Karyn B. OUT - Timothy T.		
DATE/TIME IN 6/3/21 11:59 am	DATE/TIME OUT 6/3/21 12:21 pm	
VEHICLE 43 WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 56,320 NET TONS 14.27 INBOUND
 SCALE OUT TARE WEIGHT 27,780 NET WEIGHT 28,540 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.27	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

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 3rd and lander Seattle, WA

CUSTOMER 333709
 P&GE LLC
 11255 Kirkland Way, Suite 300
 Kirkland, WA 98033

Contract:MC-19294

SITE 01	TICKET # 995549	CELL
WEIGHMASTER IN - Timothy T. OUT - Karyn B.		
DATE/TIME IN 6/4/21 10:42 am		DATE/TIME OUT 6/4/21 10:53 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING		

SCALE IN GROSS WEIGHT 65,020 NET TONS 16.07 INBOUND
 SCALE OUT TARE WEIGHT 32,880 NET WEIGHT 32,140 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
16.07	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

Signature _____

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 3rd and lander -Seattle, WA

CUSTOMER 333709
 P&GE LLC
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 Kirkland, WA 98033

Contract:MC-19294

SITE 01	TICKET # 995549	CELL
WEIGHMASTER IN - Timothy T. OUT - Karyn B.		
DATE/TIME IN 6/4/21 10:42 am		DATE/TIME OUT 6/4/21 10:53 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE ANTHONY		
BILL OF LADING		

SCALE IN GROSS WEIGHT 65,020 NET TONS 16.07 INBOUND
 SCALE OUT TARE WEIGHT 32,880 NET WEIGHT 32,140 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
16.07	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

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SIGNATURE _____

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 3rd and lander Seattle, WA

CUSTOMER 333709
 P&GE LLC
 11255 Kirkland Way, Suite 300
 Kirkland, WA 98033

Contract:MC-19294

SITE 01	TICKET # 995539	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 6/4/21 7:44 am	DATE/TIME OUT 6/4/21 7:53 am	
VEHICLE 43 WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 52,720 NET TONS 12.29 INBOUND
 SCALE OUT TARE WEIGHT 28,140 NET WEIGHT 24,580 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.29	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

Signature _____

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 3rd and lander -Seattle, WA

CUSTOMER 333709
 P&GE LLC
 11255 Kirkland Way, Suite 300
 Kirkland, WA 98033

Contract:MC-19294

SITE 01	TICKET # 995539	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 6/4/21 7:44 am	DATE/TIME OUT 6/4/21 7:53 am	
VEHICLE 43 WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 52,720 NET TONS 12.29 INBOUND
 SCALE OUT TARE WEIGHT 28,140 NET WEIGHT 24,580 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.29	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

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3rd and lander Seattle, WA

CUSTOMER 333709
P&GE LLC
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
Contract:MC-19294

SITE 01	TICKET # 995657	CELL
WEIGHMASTER Timothy T.		
DATE/TIME IN 6/9/21 1:20 pm	DATE/TIME OUT 6/9/21 1:31 pm	
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 57,700 NET TONS 12.51 INBOUND
SCALE OUT TARE WEIGHT 32,680 NET WEIGHT 25,020 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.51	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

Signature _____

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3rd and lander -Seattle, WA

CUSTOMER 333709
P&GE LLC
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
Contract:MC-19294

SITE 01	TICKET # 995657	CELL
WEIGHMASTER Timothy T.		
DATE/TIME IN 6/9/21 1:20 pm	DATE/TIME OUT 6/9/21 1:31 pm	
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 57,700 NET TONS 12.51 INBOUND
SCALE OUT TARE WEIGHT 32,680 NET WEIGHT 25,020 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.51	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

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SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER 333709
P&GE LLC
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
Contract:MC-19294

SITE 01	TICKET # 996253	CELL
WEIGHMASTER IN - Timothy T. OUT - Karyn B.		
DATE/TIME IN 6/21/21 11:43 am		DATE/TIME OUT 6/21/21 11:51 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	52,160	NET TONS	12.07	INBOUND
SCALE OUT TARE WEIGHT	28,020	NET WEIGHT	24,140	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.07	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

Signature _____

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SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 333709
P&GE LLC
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
Contract:MC-19294

SITE 01	TICKET # 996253	CELL
WEIGHMASTER IN - Timothy T. OUT - Karyn B.		
DATE/TIME IN 6/21/21 11:43 am		DATE/TIME OUT 6/21/21 11:51 am
VEHICLE WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	52,160	NET TONS	12.07	INBOUND
SCALE OUT TARE WEIGHT	28,020	NET WEIGHT	24,140	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.07	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

Signature _____

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RS-F042UPR (04/19)

SIGNATURE _____

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER333709
P&GE LLC
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
Contract:MC-19294

SITE 01	TICKET # 996565	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 6/29/21 9:37 am	DATE/TIME OUT 6/29/21 9:49 am	
VEHICLE 49 WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

218519A

SCALE IN GROSS WEIGHT	64,160	NET TONS	15.74	INBOUND INVOICE
SCALE OUT TARE WEIGHT	32,680	NET WEIGHT	31,480	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
15.74	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

Signature _____

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3rd and lander -Seattle, WA

CUSTOMER333709
P&GE LLC
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
Contract:MC-19294

SITE 01	TICKET # 996565	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 6/29/21 9:37 am	DATE/TIME OUT 6/29/21 9:49 am	
VEHICLE 49 WRECKING BALL	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	64,160	NET TONS	15.74	INBOUND INVOICE
SCALE OUT TARE WEIGHT	32,680	NET WEIGHT	31,480	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
15.74	tn	SW-CONT SOIL Origin:EVERETT/SNOH 100%				

Signature _____

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RS-F042UPR (04/19)

SIGNATURE _____

APPENDIX E
Pacific Rim Environmental Report



May 4, 2021

GeoEngineers
2101 4th Avenue, Suite 950
Seattle, WA 98121

LIMITED ASBESTOS SURVEY

**Go East Landfill – Roofing Materials Lot #'s 40, 41, 42 & 45
4330 108th Street SE
Everett, WA 98208**

PacRim # 16927

On April 29, 2021, Tyler Sadler of Pacific Rim Environmental, Inc. (PacRim) performed a limited inspection and testing of suspect asbestos-containing materials associated with the Go East Landfill Project located at 4330 108th Street SE in Everett, Washington. The scope of work is limited to identifying and sampling suspect materials during excavation activities of the landfill.

Mr. Sadler is an AHERA Accredited Building Inspector, and the Pacific Rim Environmental, Inc. asbestos analytical laboratory is accredited by the National Voluntary Laboratory Accreditation Program (See Attachments).

This survey is not intended for, nor should it be used as a design specification. The Asbestos in Schools Hazard Amendment and Reauthorization Act (ASHARA), effective November 20, 1990, expanded accreditation requirements to apply to persons who work with asbestos in public and commercial buildings as well as schools. Specifically, ASHARA expanded the Toxic Substances Control Act (TSCA) Section 206 (a) (1) and (3) to require accreditation for any person who designs or conducts a response action with respect to friable ACM in a building. TSCA Section 207 provides for civil penalties of \$5,000 for each day of a violation for not employing accredited individuals to design and conduct response actions.

Sampling of suspect asbestos-containing materials was conducted as prescribed in 40 CFR 763.86.

Suspect asbestos-containing materials within the structure were identified and classified as either surfacing material, thermal system insulation, or miscellaneous material. Surfacing materials are those, which are either spray applied or troweled-on for acoustical, decorative, or fireproofing purposes. Thermal system insulation (TSI) is insulation used to inhibit heat transfer or to prevent condensation on pipes, boilers, tanks, ducts and various other components. Miscellaneous materials include all other materials not listed in the above categories such as floor tile, ceiling tile, roofing felt, cementitious materials, wallboard systems and products such as caulking, mastics and putties.

Pacific Rim Environmental, Inc.

6510 Southcenter Blvd, Ste. #40
Seattle, WA 98188

(206) 244-8965
www.pacrimenv.com



Seven (07) samples were collected and submitted for PLM laboratory analysis. One sample was found to contain <1% ACM within the project limitations.

The results are provided in Table A below. Laboratory analysis report is attached.

Bulk samples collected were submitted for sample analysis in accordance with method EPA-600/R-93/116: "Method for the Determination of Asbestos in Bulk Building Materials". Analyses were performed in Pacific Rim Environmental, Inc. NVLAP Accredited Laboratory (Lab Code 101631-0). Materials are positive for asbestos if they are found to contain greater than 1% or 1% asbestos. Materials that are less than one percent (<1%) asbestos, although not considered positive for asbestos, when removed must follow applicable Washington State regulations.

Materials uncovered during the course of demolition, renovation, or maintenance activities that are not identified in this inspection report must be presumed to contain asbestos until PLM analysis proves that this material is not asbestos-containing.

TABLE A

AHERA category	Sample #	Sample Location	Material Description	Analytical Result
Misc.	429-01	Lot #40	Built-up roofing	None Detected
Misc.	429-02	Lot #40	Roof backing with embedded roofing tar	None Detected
Misc.	429-03	Lot #41	Built-up roofing	None Detected
Misc.	429-04	Lot #42, bottom side of embedded debris pile	Built-up roofing	None Detected
Misc.	429-05	Lot #42, midway up embedded debris pile	Built-up roofing	None Detected
Misc.	429-06	Lot #42, from top of embedded debris pile	Built-up roofing	None Detected
Misc.	429-07	Lot #45, North end on berm	Cement board	Chrysotile 10-15%

If you have any questions regarding this inspection, please do not hesitate to contact our office via email at pre@pacrimenv.com or by phone at (206) 244-8965.

Respectfully,

Melanie Sandefur
Project Administrator
Pacific Rim Environmental, Inc.

Review By: Allison Davis

Review Date: 5/10/21

PacRim # 16927

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Pacific Rim Environmental, Inc.

6510 Southcenter Blvd, Ste. #40
Seattle, WA 98188


(206) 244-8965
www.pacrimenv.com


ASBESTOS INSPECTION SUMMARY


Inspection Summary


Project Information


Job Number	16927
Project Name	Go East Landfill
Project Address:	4330 108th Street SE
Client:	GeoEngineers, Inc.
Date of Survey:	29-Apr-2021
PacRim Technician:	Tyler Sadler
Limitations:	Supplemental sampling of materials revealed during excavation.
Turnaround Requested:	24 Hour
Special Instructions for Lab:	Please call or text me if there are positives.


Sample		Sample Date	29-Apr-2021
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	429-01	Homogenous Material Number	1
Material Description	Built-up Roofing		
Homogenous Mtl Area	N/A		
Sample Location	Lot #40		
Quantity	TBD	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			


Sample		Sample Date	29-Apr-2021
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	429-02	Homogenous Material Number	3
Material Description	Roof backing with embedded roofing tar		
Homogenous Mtl Area	N/A		
Sample Location	Lot #40		
Quantity	TBD	Unit of Measure	
Asbestos Type/%	None Detected (Both Layers)		
Sample Photo			

Sample		Sample Date	29-Apr-2021
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	429-03	Homogenous Material Number	1
Material Description	Built-up Roofing		
Homogenous Mtl Area	N/A		
Sample Location	Lot #41		
Quantity	TBD	Unit of Measure	
Asbestos Type/%	None Detected (All Layers)		
Sample Photo			

Sample		Sample Date	29-Apr-2021
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	429-04	Homogenous Material Number	1
Material Description	Built-up Roofing		
Homogenous Mtl Area	N/A		
Sample Location	Lot #42, bottom side of embedded debris pile		
Quantity	TBD	Unit of Measure	
Asbestos Type/%	None Detected (All Layers)		
Sample Photo			

Sample		Sample Date	29-Apr-2021
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	429-05	Homogenous Material Number	1
Material Description	Built-up Roofing		
Homogenous Mtl Area	N/A		
Sample Location	Lot #42, midway up embedded debris pile		
Quantity	TBD	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			

Sample		Sample Date	29-Apr-2021
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	429-06	Homogenous Material Number	1
Material Description	Built-up Roofing		
Homogenous Mtl Area	N/A		
Sample Location	Lot #42, from top of embedded debris pile		
Quantity	TBD	Unit of Measure	
Asbestos Type/%	None Detected (All Layers)		
Sample Photo			

ample		Sample Date	29-Apr-2021
Project Name	Go East Landfill		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	429-07	Homogenous Material Number	4
Material Description	Cement Board		
Homogenous Mtl Area	N/A		
Sample Location	Lot #45, north end on berm		
Quantity	TBD	Unit of Measure	
Asbestos Type/%	Chrysotile 10-15%		
Sample Photo			

BULK SAMPLE ANALYSIS REPORT



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Customer Name: GeoEngineers, Inc.
600 Stewart St., Ste. 1700
Seattle
WA 98101

PacRim Number: 16927
Report Number: 2021-04-0310
Date Received: 4/29/2021
Analysis Start Date: 4/30/2021
Analysis End Date: 4/30/2021
Turnaround Time: 24 Hours
Report Date: 5/3/2021
Report By: William F. Golloway
Analyst(s): William F. Golloway

Customer Project Number: None Given
Project Name: Go East Landfill
Project Address: 4330 108th Street SE
Everett
WA 98208

Samples Analyzed for this report

PO Number: None Given
Sample Date: 29-Apr-2021
Total Samples: 7

Beginning Laboratory ID Number: 2021-04-0310
Ending Laboratory ID Number: 2021-04-0316

Sample Set Number
2021-2843

The bulk samples submitted were analyzed for asbestos content using Polarized Light Microscopy (PLM). Analysis was performed in accordance with Appendix E to Subpart E of 40 CFR Part 763 and EPA/600/R93/116.

The test results pertain only to the samples submitted for analysis. Unless otherwise noted, the samples were inhomogeneous; subsamples of components were analyzed to achieve representative analysis. Separate layers of layered samples were analyzed and reported separately. Unless otherwise stated, asbestos content was quantified by calibrated visual estimation (CVES). CVES concentrations are reported in two to three percent ranges for fiber concentrations ranging from one to ten percent, and usually five percent ranges for concentrations greater than ten percent. Samples in which asbestos was not observed are reported as "None Detected".

Limitations and Uncertainty:

Factors such as sample quality, sample size, interfering matrix material, fiber size, and fiber concentration contribute to the uncertainty in asbestos concentration estimates in bulk materials. Relative errors exceeding 100% may occur in samples containing less than ten percent asbestos. Relative errors are typically below thirty percent in samples having greater than ten percent asbestos, and approach zero as asbestos concentrations approach 100%.

Asbestos fibers with diameters less than approximately 0.25 microns are not detectable by PLM. Fibers with larger diameters may not be visible if obscured by interfering matrix materials. These extremely fine fibers may occur in floor tiles, adhesives, products with cement binders, and other non-friable or semi-friable materials. This limitation can be overcome using alternate analytical methods, such as Transmission Electron Microscopy (TEM).

This report cannot be represented by the customer to claim product endorsement by the National Voluntary Accreditation Program (NVLAP), or any agency of the United States government. This report shall not be reproduced except in full without written permission from Pacific Rim Environmental, Inc. (PacRim).

NVLAP Accredited Lab #: 101631-0
Samples Submitted by: PacRim

Report

Reviewed by:

William F. Golloway 5-4-2021
Approved Signatory



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Customer Name: GeoEngineers, Inc.
Customer Project Number: None Given
Project Name: Go East Landfill
Sample Date: 29-Apr-2021
Report Date: 5/3/2021
Report By: William F. Golloway

Sample Set Number
2021-2843

PacRim Number: 16927
Report Number: 2021-04-0310
Date Received: 4/29/2021
Analysis Start Date: 4/30/2021
Analysis End Date: 4/30/2021
Analyst(s): William F. Golloway

Field Sample Number: 429-01 **Field Sample Description:** Built-up Roofing **Field Sample Location:** Lot #40 **Analyst:** WFG
Lab ID: 2021-04-0310 **Analysis Date:** 4/30/2021

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Black, brittle tar roofing with embedded, inseparable felts and embedded, large aggregate	None Detected	Cellulose 3-5%	Tar, Mineral Aggregate, Binder

Field Sample Number: 429-02 **Field Sample Description:** Roof backing with embedded roofing tar **Field Sample Location:** Lot #40 **Analyst:** WFG
Lab ID: 2021-04-0311 **Analysis Date:** 4/30/2021

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Layer: 1 Brown fibrous material	None Detected	Cellulose 85-90%	Binder, Tar, Mineral Aggregate
Layer: 2 Black tar roofing material with embedded, inseparable felts and fibrous material	None Detected	Cellulose 15-20%	Tar, Mineral Aggregate, Binder

Field Sample Number: 429-03 **Field Sample Description:** Built-up Roofing **Field Sample Location:** Lot #41 **Analyst:** WFG
Lab ID: 2021-04-0312 **Analysis Date:** 4/30/2021

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Layer: 1 Black tar roofing with embedded aggregate and inseparable tar felts	None Detected	Cellulose 15-20%	Tar, Mineral Aggregate, Binder
Layer: 2 Black tar roofing material with inseparable felts	None Detected	Cellulose 5-7%	Tar, Mineral Aggregate
Layer: 3 Black tar roofing material with inseparable felts	None Detected	Cellulose 7-10% Fibrous Glass <1%	Tar, Mineral Aggregate
Layer: 4 Black tar roofing material with inseparable felts	None Detected	Cellulose 15-20%	Tar, Mineral Aggregate
Layer: 5 Black tar roofing material with inseparable felts	None Detected	Cellulose 20-25%	Tar, Mineral Aggregate
Layer: 6 Black, inseparable felts with tar	None Detected	Cellulose 35-40%	Tar, Mineral Aggregate



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Customer Name: GeoEngineers, Inc.
Customer Project Number: None Given
Project Name: Go East Landfill
Sample Date: 29-Apr-2021
Report Date: 5/3/2021
Report By: William F. Golloway

Sample Set Number
2021-2843

PacRim Number: 16927
Report Number: 2021-04-0310
Date Received: 4/29/2021
Analysis Start Date: 4/30/2021
Analysis End Date: 4/30/2021
Analyst(s): William F. Golloway

Field Sample Number: <u>429-04</u>	Field Sample Description:	Field Sample Location:	Analyst: WFG
Lab ID: 2021-04-0313	Built-up Roofing	Lot #42, bottom side of embedded debris pile	Analysis Date: 4/30/2021
Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Layer: 1 Brittle silver coating material	None Detected	Cellulose <1%	Mineral Aggregate, Binder
Layer: 2 Black tar roofing with embedded fibers	None Detected	Cellulose 10-15%	Tar, Mineral Aggregate
Layer: 3 Black tar roofing with embedded fibers	None Detected	Cellulose 25-30%	Tar, Mineral Aggregate

Field Sample Number: <u>429-05</u>	Field Sample Description:	Field Sample Location:	Analyst: WFG
Lab ID: 2021-04-0314	Built-up Roofing	Lot #42, midway up embedded debris pile	Analysis Date: 4/30/2021
Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Black tar roofing with embedded aggregate and wood fragments, brown, fine-grained surface residue and adhering	None Detected	Cellulose 1-3% Fibrous Glass <1%	Tar, Mineral Aggregate, Binder, Wood

Field Sample Number: <u>429-06</u>	Field Sample Description:	Field Sample Location:	Analyst: WFG
Lab ID: 2021-04-0315	Built-up Roofing	Lot #42, from top of embedded debris pile	Analysis Date: 4/30/2021
Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Layer: 1 Black tar material with inseparable felts	None Detected	Cellulose 20-25% Fibrous Glass <1%	Tar, Mineral Aggregate, Binder
Layer: 2 Black tar felt	None Detected	Cellulose 55-60%	Tar, Mineral Aggregate
Layer: 3 Black tar material with inseparable felts	None Detected	Cellulose 25-30%	Tar, Mineral Aggregate

Field Sample Number: <u>429-07</u>	Field Sample Description:	Field Sample Location:	Analyst: WFG
Lab ID: 2021-04-0316	Cement Board	Lot #45, north end on berm	Analysis Date: 4/30/2021
Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
White and grey-painted, white to light grey cement board fragments with brown, fine-grained surface residue	Chrysotile 10-15%	Cellulose <1%	Mineral Aggregate, Binder, Paint

55# 2021-
2843



Chain of Custody

Project Information:

Job Number	16927
Project Name	Go East Landfill
Project Address:	4330 108th Street SE
Client:	GeoEngineers, Inc.
Sample Date:	29-Apr-2021
PACRIM Technician	Tyler Sadler
Analysis Turnaround requested:	24 Hour
Special instructions:	Please call or text me if there are positives.

Samples:

Sample Number	Sample Date	Material Description
429-01	29-Apr-2021	Built-up Roofing
429-02	29-Apr-2021	Roof backing with embedded roofing tar
429-03	29-Apr-2021	Built-up Roofing
429-04	29-Apr-2021	Built-up Roofing
429-05	29-Apr-2021	Built-up Roofing
429-06	29-Apr-2021	Built-up Roofing
429-07	29-Apr-2021	Cement Board

Released by signature:		Printed Name:	Tyler Sadler
Date:	4/29/21	Time:	17:15
Received by signature:		Printed name:	William F. Galloway
Date:	4-29-2021	Time:	16:35
Released by signature:		Printed Name:	
Date:		Time:	
Received by signature:		Printed name:	
Date:		Time:	

TECHNICIAN / LABORATORY CERTIFICATIONS

Certificate of Completion

This is to certify that

Tyler G. Sadler

has satisfactorily completed
4 hours of online refresher training as an
AHERA Building Inspector

to comply with the training requirements of
TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085

179142

Certificate Number



Oct 14, 2020 Expires in 1 year.

Date(s) of Training

Exam Score: N/A
(if applicable)

Instructor: Andre Zwanenburg

ARGUS PACIFIC, INC / 21905 64th AVE W, SUITE 100 / MOUNTLAKE TERRACE, WASHINGTON 98043 / 206.285.3373 / ARGUSPACIFIC.COM

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101631-0

Pacific Rim Environmental, Inc.
Tukwila, WA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2021-04-01 through 2022-03-31

Effective Dates



A handwritten signature in blue ink, which appears to read "Peter S. Hamden".

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Pacific Rim Environmental, Inc.
6510 Southcenter Boulevard
Suite #40
Tukwila, WA 98188
Mr. William F. Golloway
Phone: 206-244-8965 Fax: 206-244-9096
Email: fgolloway@pacrimenv.com
<http://www.pacrimenv.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101631-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

A handwritten signature in blue ink, appearing to read "William F. Golloway".

For the National Voluntary Laboratory Accreditation Program

APPENDIX F
Lot Exploration Plan Execution Memorandum

To: Marty Penhallegon, PE
From: Garrett Leque, LG; Terry McPhetridge, LG, LHG
Date: July 6, 2021
File: 6694-002-05
Subject: Lot Exploration Plan Execution




This memorandum documents execution of a Lot Exploration Plan per the requirements of the Land Disturbance Activity #1 (LDA#1) Construction Drawings with the latest approval date of June 23, 2021 (PRN 20118246LDA) for the Go East Landfill Closure Project located in Snohomish County, Washington. GeoEngineers has been observing construction activities related to the project since early April 2021. The Lot Exploration was performed in the southeastern portion of the project in the area shown in the attached Extent of Area Scarified and Observed, Figure 1. Construction activities we have observed in that area include removal of landfill material and relocation to the reconfigured and reduced landfill limits (i.e., relocation to within the area marked “Future Landfill Limit” shown in Figure 1)¹.

BACKGROUND

The requirements of the Exploration Plan shown on Sheet 9 of 25 of the LDA#1 Construction Drawings state:

1. The following represents a test pit sampling and observation plan intended to comply with the Snohomish County Hearing Examiner’s requirements for residential lot areas of the Bakerview Plat.
2. This plan and its execution shall be overseen and verified by the following: Property owner, Snohomish County Health District representative, PDS [Snohomish County Planning & Development Services], and Project CQA [Construction Quality Assurance] engineer/professional (who shall be responsible to compile and document execution of the plan).
3. All landfill material lying outside the reconfigured landfill limits and including any lot areas, street rights-of-way, and other use areas like sewer pump station site, access to landfill area, is to be completely removed and relocated to the reconfigured and reduced landfill limits.
4. Excavated areas lying outside existing landfill limits, shall have all excavation observed by geotechnical engineer and if any landfill materials are found (excavated), it shall be relocated as appropriate either to the reconfigured landfill proper or off site as determined appropriate. The finish grade of all excavated areas shall be walked and verified that no landfill material remains.
5. “Wedge area” shall be filled to at least 6 feet inside of landfill boundary with excavated on-site material from outside the landfill (material from Item 4 above) and compacted in conformance to structural fill specifications.

¹ Note that the actual horizontal extent of landfill material was less than as shown in Figure 1. The approximate landfill limit was found not to extend as far to the southeast as shown in the figure. The actual extent is being surveyed as of the date of this memorandum, and the actual extent will be included in a figure prepared in the future after surveying is complete.

6. The remaining areas outside the landfill area that are to be left ungraded or filled, shall be scarified to a depth of 12 inches to verify no hidden or buried landfill material remain prior to filling or recompacting the top 12 inches. Additional pot holing shall be accomplished as determined necessary to verify no landfill material remains.
7. All of the above sequence shall be observed by parties described in Requirement No. 2 above. A formal report shall be compiled and prepared by the CQA engineer/professional and submitted to SHD and PDS for review and concurrence.

It should be noted that Requirement No. 5 has been modified in the latest approved plans where deeper wedge depths were encountered and required a clay fill in one area and limited depth of fill placed in another area. See details Alternative A and Alternative B on sheet 7A of the approved LDA #1 plans.

LOT EXPLORATION

The Lot Exploration Plan activities were implemented in general accordance with Requirements 3, 4, 6, and 7 indicated above in the area shown in Figure 1. Specifically, Aero Construction scarified the area to a depth of approximately 12 inches to verify no hidden or buried landfill material remained following removal of landfill material. Observations confirmed there was no hidden or buried landfill material in the scarified area. Observations also confirmed there was no hidden or buried landfill material in pot-hole excavations conducted in the area. The scarified soil was observed in the area labeled “Extent of Area Scarified and Observed” as shown in Figure 1 by the following parties on June 8 and June 9, 2021:

- Property owner’s representative – Jay Pullen, PACE
- Snohomish County Health District Representative – Megan Engebretson, SnoHD
- Snohomish County Planning and Development Services Representative – Jared Anderson – Snohomish PDS
- Project Construction Quality Assurance Professional – Paul Robinette, GeoEngineers
- Washington State Department of Ecology Solid Waste Management PM – Alan Noell

Representative site photographs of the area observed are included in Figures 2 and 3.

REFERENCES

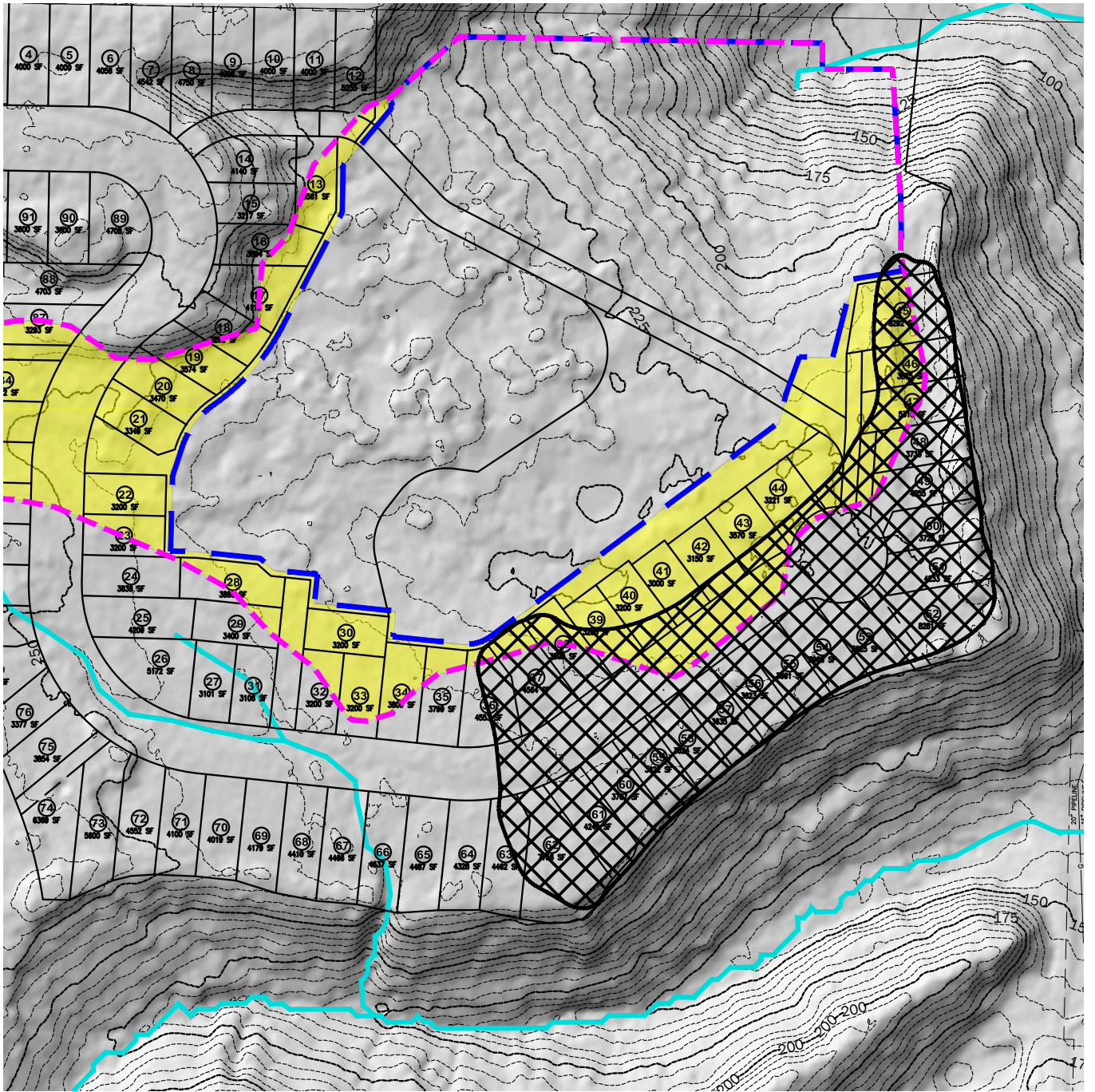
PACE. 2020. Go East Landfill Closure. Land Disturbance Activity – LDA #1, July, 2020.

We hope this meets your needs. Feel free to contact Garrett Leque at 360.647.1510 if you have any questions.

Attachments:

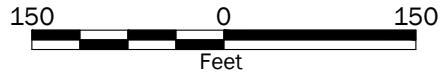
Figure 1. Extent of Area Scarified and Observed
Figures 2 and 3. Site Photographs

\\geoengineers.com\WAN\Projects\6\6694002\CAD\05\Scarified Area\669400205_F01_Extent of Area Scarified and Observed.dwg TAB:F01 Date Exported: 06/10/21 - 1:3:57 by mwwoods



Legend

- Extent of Area Scarified and Observed
- Pre-Interim Action Assumed Excavation Area
- Pre-Interim Action Assumed approximate landfill limit
- Future Landfill Limit



Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Property boundary survey from PACE Engineers, dated 1/27/2020.
 Lidar image and elevation contours from Puget Sound Lidar Consortium dated 2013.

Projection: HPGN (HARN) Washington State Planes, North Zone, US Foot

Extent of Area Scarified and Observed	
Go East Corp Landfill Site Everett, Washington	
	Figure 1



Photograph 1. Photo credit Snohomish County Health District



Photograph 2. Typical close-up view of scarified soil – no landfill material observed.

Site Photographs

Go East Landfill Environmental Support Svcs
Snohomish County, Washington



Figure 2



Photograph 3. Typical pot hole observation - no landfill material observed.

Site Photographs

Go East Landfill Environmental Support Svcs
Snohomish County, Washington

APPENDIX G
Report Limitations and Guidelines for Use

APPENDIX G

REPORT LIMITATIONS AND GUIDELINES FOR USE

This appendix provides information to help you manage your risks with respect to the use of this report.

Environmental Services are Performed for Specific Purposes, Persons and Projects

This interim action was performed at the Site per the Agreed Order (DE 18121) executed between the owner, P&GE LLC, and Washington State Department of Ecology (Ecology), and in general accordance with the Interim Action Work Plan (IAWP) dated August 10, 2020. This report may be made available to regulatory agencies for review. This report is not intended for use by others, and the information contained herein is not applicable to other sites.

GeoEngineers structures our services to meet the specific needs of our clients. For example, an environmental site assessment study conducted for a property owner may not fulfill the needs of a prospective purchaser of the same property. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and project site. No one except P&GE and Ecology should rely on this environmental report without first conferring with GeoEngineers. This report should not be applied for any purpose or project except the one originally contemplated.

This Environmental Report is Based on a Unique Set of Project-Specific Factors

This report has been prepared for the Go East Corp Landfill Site in Everett, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, do not rely on this report if it was:

- not prepared for you.
- not prepared for your project.
- not prepared for the specific site explored.
- completed before important project changes were made.

If important changes are made after the date of this report, GeoEngineers should be given the opportunity to review our interpretations and recommendations and provide written modifications or confirmation, as appropriate.

Reliance Conditions for Third Parties

If a lending agency or other parties intend to place legal reliance on the product of our services, we require that those parties indicate in writing their acknowledgement that the scope of services provided, and the general conditions under which the services were rendered, including the limitation of professional liability, are understood and accepted by them. This is to provide our firm and P&GE and Ecology with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions.

Environmental Regulations Are Always Evolving

Some substances may be present in the site vicinity in quantities or under conditions that may have led, or may lead, to contamination of the subject site, but are not included in current local, state or federal

regulatory definitions of hazardous substances or do not otherwise present current potential liability. GeoEngineers cannot be responsible if the standards for appropriate inquiry, or regulatory definitions of hazardous substance, change or if more stringent environmental standards are developed in the future.

Subsurface Conditions Can Change

This environmental report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by man-made events such as construction on or adjacent to the site, by new releases of hazardous substances, or by natural events such as floods, earthquakes, slope instability, or groundwater fluctuations. Always contact GeoEngineers before applying this report to determine if it is still applicable.

Most Environmental Findings Are Professional Opinions

Our interpretations of subsurface conditions are based on field observations and chemical analytical data from widely-spaced sampling locations at the site. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. GeoEngineers reviewed field and laboratory data and then applied our professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ—sometimes significantly—from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

Read These Provisions Closely

Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering, geology and environmental science) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could lead to disappointments, claims and disputes. GeoEngineers includes these explanatory “limitations” provisions in our reports to help reduce such risks. Please confer with GeoEngineers if you are unclear how these “Report Limitations and Guidelines for Use” apply to your project or site.

Geotechnical, Geologic and GeoEnvironmental Reports Should Not Be Interchanged

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a geotechnical or geologic study and vice versa. For that reason, a geotechnical engineering or geologic report does not usually relate any environmental findings, conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address geotechnical or geologic concerns regarding a specific project.