

Technical Memorandum

TO: Sam Meng, Washington State Department of Ecology
FROM: Dylan Frazer, LG
DATE: June 30, 2022
RE: **Final Interim Action Construction Completion Report**
Bay Wood Products Site
Everett, Washington
Project No. 0147053.010.018

Introduction

Landau Associates, Inc. (LAI) prepared this technical memorandum on behalf of the Port of Everett (Port), to document the interim action cleanup and compliance monitoring results at the Bay Wood Products cleanup site, located at 200 West Marine View Drive in Everett, Washington (Site; Figure 1). The interim action was conducted by the Port pursuant to the Model Toxics Control Act (MTCA) as part of the Washington State Department of Ecology's (Ecology's) Puget Sound Initiative environmental cleanup program. The interim action was required by an Agreed Order (AO) between the Port and Ecology (No. DE-5490, Amended February 4, 2020) while remedial investigation (RI) and feasibility study (FS) activities at the Site are ongoing. The Interim Action was designed to achieve environmental cleanup, habitat restoration, and buffer enhancements along a majority of the shoreline of the upland portion of the Site.

The interim cleanup action and associated compliance monitoring was conducted in accordance with the AO and subsequent planning documents, including the Restoration Design Criteria Memorandum (Shannon & Wilson 2019a); Interim Action Work Plan (IAWP; LAI 2020c); and the Engineering Design Report (EDR; LAI 2020b); which included the Compliance Monitoring Plan (CMP; LAI 2020a) as an appendix, and the project plans and specifications, which were reviewed and approved by Ecology prior to implementation. This document summarizes completion of the work and documents the minor deviations from the planning documents that were necessary during construction. These deviations were made in consultation with Ecology and are noted in the Deviations from Planned Cleanup section below.

Interim Action Implementation

Interim action construction activities were conducted in November 2020 through March 2021. Construction of the interim action included work described in project plans as shoreline restoration as well as cleanup activities in the Low Area. Both aspects of the work were conducted by one contractor during one mobilization and were documented by daily Site visits conducted by Port representatives. It is also important to note that the construction work was executed during the COVID-19 global pandemic. Select photographs of the project are provided in Attachment 1. Project progress meetings were held weekly and were attended by the Port, the Port's construction contractor (Strider Construction; Strider), Ecology, Port representatives for shoreline restoration design (Shannon &

Wilson), and Port representatives for Low Area cleanup design and AO support (LAI). Despite the travel restrictions associated with the global pandemic, frequent in-field site meetings were conducted with representatives from Ecology who were able to attend using live video/audio feed virtual meeting technology (e.g., Zoom), including meetings that occurred after normal business hours.

Prior to construction, the contractor mobilized equipment to the Site and prepared it for project activities. Site preparation included clearing and grubbing of the entire project area, installation of temporary erosion and sediment control (TESC) measures, and construction of temporary soil stockpile areas.

Implementation of specific aspects of the interim action are detailed in the following sections.

Low Area Cleanup

The Low Area interim cleanup action primarily consisted of the excavation and offsite disposal of contaminated soil. After removal of the contaminated soil, the Port constructed a surface containment system consisting of a geotextile stabilization barrier, an ecological barrier, and soil cover. Cleanup activities were designed to remove soils with a dioxin/furan toxic equivalent concentration (TEQ) greater than a remediation level (REL) of 13 nanograms per kilogram (ng/kg), which is the Site soil screening level for human health by direct contact developed during the RI/FS process.

Soil within the Low Area cleanup area was excavated to depths ranging from 1 foot (ft) below existing ground surface (bgs) to up to 3 ft bgs, except for in the northeast portion of the Low Area, where an asphalt surface was present at approximately 6 inches bgs. The planned excavation depth where asphalt was encountered was 1 ft bgs; modifications to the cleanup plan based on observations of this asphalt were made in consultation with Ecology and resulted in the removal of soil above the asphalt and leaving the asphalt in-place to serve as an existing containment cap. Excavation in excess of planned excavation depths was also conducted based on analytical results of compliance monitoring samples indicating dioxin/furan TEQ concentrations at the approximate location of compliance monitoring sample LA-B3; approximately 2 ft of additional soil was removed. Final excavation depths are presented on Figure 2. Approximately 586 tons of contaminated soil were removed from the Low Area portion of the Site and were disposed of at a Subtitle D landfill. Waste disposal documentation is presented in Attachment 2.

Following completion of excavation, a surface containment cap was installed throughout the Low Area. The surface containment cap consisted of a geotextile barrier (Mirafi 108N), an ecological barrier (Crittterfence Ecological Barrier), and at least 2 ft of clean fill. A surface containment cap was not installed in areas where the asphalt surface (discussed above) was observed. Consistent with the EDR (Section 4.1) and in the project plans (Sheet 24), clean fill used to construct the surface cap was

reusable fill generated during shoreline excavation work (see below); in general, due to construction sequencing, reusable fill placed in the Low Area was excavated from the western portion of the shoreline restoration area. As discussed in the EDR, testing conducted in April 2019 and March 2020 was used to characterize soil to be generated during shoreline restoration. Contaminants were not detected at concentrations above Site SLs in samples collected in April 2019, which were collected from the dike construction materials. Dioxins and furans were the only analytes detected at concentrations greater than Site SLs, but these exceedances were limited in extent to the wood waste layer—this material was managed separately from the dike material/reusable fill and was disposed offsite per the EDR and project plans. The extent of the surface containment cap installed in the Low Area is presented on Figure 3, and finished grade elevations are presented on Figure 4.

Shoreline Restoration

The shoreline restoration included removing anthropogenic debris (wood waste, rip-rap, abandoned marine infrastructure, and concrete debris) along the shoreline, grading the shoreline and management of excavated soil, and placement of topsoil, native plantings, and large woody debris (LWD; to simulate naturally occurring drift logs) to support habitat restoration. Shoreline restoration activities were conducted in accordance with the project plans and specifications, which were developed to satisfy requirements presented in multiple documents included as appendices in the EDR, including the Test Pit Findings and Soil Management Plan (Shannon & Wilson 2019c), Restoration Plan (Shannon & Wilson 2019b), and the Restoration Design Criteria (Shannon & Wilson 2019a). Shoreline restoration construction activity generally progressed from the northwestern to the southern portions of the work area.

Prior to soil grading, anthropogenic debris along the shoreline was removed. Work along the shoreline was completed “in the dry,” during relatively low tide elevations that generally occurred during night hours. Seven marine structures consisting of large-diameter timber pilings were removed. During removal of Marine Structure 7 (southernmost structure at the Site and directly west of the Low Area), the contractor monitored the low concrete retaining wall along the south boundary of the Low Area; removal of this structure was accomplished without compromising the retaining wall. Additional debris (presented as opportunistic debris in planning documents) was picked from the shoreline using hydraulic excavator buckets, where practical, from existing sediment. Removal of opportunistic debris was overseen and directed by Port representatives in consultation with Ecology representatives, and an opportunistic debris removal field form was completed daily during each shift. Where field screening of material beneath opportunistic debris indicated evidence of potential contamination (sheen or petroleum odor), or the material appeared to consist of greater than approximately 20–50 percent wood debris, up to 2 ft of additional material was excavated. The material targeted for removal was readily identifiable visually because of the darker soil color caused by the presence of the decaying wood debris. Opportunistic debris removal field forms are included in Attachment 3. In total, approximately 317 tons of wood debris, and 142 tons of other opportunistic debris (concrete and rip-

rap) was removed from the shoreline; disposal receipts for these materials are included in Attachment 2.

Following removal of anthropogenic debris along the shoreline, the shoreline slope was excavated to achieve final planned subgrade elevations and slopes. Final subgrade elevation and slopes varied across the shoreline per the project plans, which were designed to provide opportunity to remove opportunistic debris, contaminated soil, and wood waste material, and to expand intertidal habitat by softening slopes from the existing upland elevations. Also, during grading, the Port coordinated removal of up to 2 ft of additional wood waste material when observed. The excavated soil was field-screened for potential contamination during excavation activities. Soil that exhibited evidence of potential contamination, or soil that was excavated waterward of the “special handling waste boundary” shown on project plans, was managed as contaminated as a precautionary measure even if it did not exhibit signs of contamination and disposed of at a Subtitle D landfill. Soil excavated upland of the “special waste handling boundary” that did not exhibit evidence of potential contamination was stockpiled in upland portions of the Site for on-site reuse. Approximately 3,360 tons of contaminated soil were disposed of at a Subtitle D landfill, and disposal receipts are included in Attachment 2. Final subgrade elevations after completion of all excavation are illustrated on Figure 5.

Following completion of excavation and collection of compliance monitoring samples (detailed below), a 1–2-ft thick layer of fill (depending on the location) consisting of either 60 percent sand/gravel mix and 40 percent topsoil or 100 percent topsoil, hydroseed, mulch, native plantings, and LWD was placed on the newly graded slopes to support habitat restoration. Final finished grade elevations after placement of fill are illustrated on Figure 6; cross sections showing the former and as-built surface profiles are provided in Figure 7. LWD was anchored to the slopes using mechanical earth anchors. Photographs showing final planting and LWD conditions on the slope are presented in Attachment 4. Since completion of the project in March 2021, observations along the newly graded slopes indicated some erosion along the western shoreline that may require placement of additional material and plantings to support habitat restoration. The Port is currently evaluating the extent of the repair necessary and will document this work to be completed under this AO separately in coordination with Ecology.

Import Fill Characterization

All fill materials imported to the Site were tested to demonstrate that chemical concentrations in each material met the import fill criteria. Chemical testing was conducted on proposed sand/gravel mixes and topsoil, and results were provided to Ecology for approval prior to importing materials to the Site. The criteria used to evaluate import fill were provided by Ecology and are included as Attachment 5.

Based on comparison of the sand/gravel mix and topsoil characterization data and Site preliminary cleanup levels, Ecology and the Port elected to place a mixture of 60 percent (by volume) sand/gravel

mix and 40 percent topsoil at the surface of the graded shoreline slopes, rather than 100 percent topsoil as planned. A memorandum was presented to Ecology proposing this adjusted approach (Windward 2020), and was approved in a response provided by Ecology, which is provided in Attachment 5. Analytical lab reports providing data for both the sand/gravel mix and topsoil are also provided in Attachment 5. Attachment 5 includes analytical results for additional topsoil sampled in March 2022 prior to use during restoration of damaged planting areas planned to be conducted in Spring 2022.

As requested by Ecology, representative samples of proposed hydroseed mulch and standard mulch materials were also analyzed for polychlorinated biphenyl (PCB) congeners for comparison to import fill criteria. A summary data table, analytical lab reports, and documentation of material approval from Ecology are provided in Attachment 5.

Deviations from Planned Cleanup

The following deviations from the EDR and/or IAWP were encountered during the interim cleanup action process.

- The final depths of excavation within the northeast portion of the Low Area were adjusted based on finding an intact asphalt layer approximately 6 inches bgs. Based on consultation with Ecology, excavation was not extended below this asphalt layer, and the asphalt layer was considered a surficial containment cap where present.
- Additional excavation in the vicinity of sample LA-B3 of approximately 2 ft was conducted based on the compliance monitoring results. This approach was developed in consultation with Ecology and was outlined in an email on February 26, 2021 (Meng 2021).
- During the excavation activities along the shoreline, Port representatives observed additional wood debris in select areas. Where practical based on access and tide elevations, up to 2 ft of additional wood debris was removed and disposed of offsite under the direction of Port representatives.
- As mentioned above, repair of the western slope of the shoreline may be necessary; this work will be planned in coordination with Ecology separately.
- A 1–2-ft layer of soil was placed following excavation in the shoreline area, including below the ordinary high water (OHW) elevation in some locations, to provide more optimal conditions for native plantings in coordination with and supporting construction of the final shoreline slopes. In Zone A (generally, the southern-facing portion of the shoreline), a 1-ft layer of sand/gravel and topsoil mix, consisting of a mixture of 60 percent sand/gravel and 40 percent topsoil (60/40 mixture), was placed below OHW, and a 1-ft layer of topsoil only was placed above OHW. In Zone B (generally, the west-facing portion of the shoreline), a 2-ft layer of the 60/40 mixture was placed. These fill composition and thicknesses were adjusted from those anticipated in the EDR and project plans; Ecology’s approval of this approach was documented in the “Ecology Top Soil Decision” and the associated addendum, which are included in Attachment 5.

Compliance Monitoring

Compliance monitoring for the interim cleanup action is consistent with the requirements of the Model Toxics Control Act (MTCOA; Washington Administrative Code [WAC] 173-340-400 [4][b] and 173-340-410), which require compliance monitoring for cleanup actions to address:

- **Protection monitoring** to confirm that human health and the environment are adequately protected during construction, operation, and maintenance of the cleanup action.
- **Performance monitoring** to confirm that the cleanup action attains cleanup or performance standards.
- **Confirmation monitoring** to confirm the long-term effectiveness of the cleanup action once the cleanup standards and/or other performance standards have been attained.

The protection, performance, and confirmation monitoring requirements for this interim action cleanup are intended to ensure a safe, thorough, and effective implementation of the cleanup activities. The following subsections present compliance monitoring conducted during implementation of the interim action.

Protection Monitoring

Protection monitoring was conducted by the contractor during implementation of the interim cleanup action, which included protection of human health and the environment. Protection of human health was monitored by implementation of a project-specific health and safety plan (HASP; LAI 2020b). Protection of the environment was monitored by implementation of a dust monitoring plan, preparation and implementation of a stormwater pollution prevention plan (SWPPP) and construction stormwater general permit (CSGP) under an Administrative Order (Ecology 2020), and implementation and monitoring of best management practices (BMPs) to minimize dust generation and control stormwater runoff from contaminated soil cleanup during construction.

Performance Monitoring

Performance monitoring was conducted in accordance with the CMP. The contractor surveyed the planned limits of excavation, the actual limits of excavation, and the final conditions to verify conformance to construction plans and specifications. Additionally, performance was monitored with daily construction oversight visits by Port representatives observing for adherence to excavation plans and during collection of performance monitoring soil samples. As-built coordinates were provided by the contractor documenting excavation, cap construction, and final grading elevations. These coordinates were used to develop excavation Figures 2 through 6. Construction oversight was documented in daily field reports (including the opportunistic debris removal field forms referenced above) and was communicated to Ecology during frequent meetings, including standing weekly status meetings. Performance monitoring samples were collected in both the Low Area and the shoreline

restoration area in accordance with the CMP; further detail regarding performance monitoring samples is provided in the following sections.

Performance Monitoring Soil Sampling

Soil samples were collected in accordance with the CMP at the limits of excavation in both the Low Area and the shoreline restoration area. Sampling locations were adjusted slightly from the locations presented in the CMP based on field observations and physical access restrictions. In the Low Area, initial samples were collected on December 8 and 9, 2020, and based on these results, removal of contaminated soil was successful in most areas, but in some additional excavation was required to meet the REL. Following completion of the additional excavation, an additional round of monitoring was conducted on March 1, 2021. As shown on Figure 2, a total of five base and four sidewall samples were collected from the Low Area and submitted for laboratory analysis; one additional sidewall sample was collected for potential follow-up analysis (LA-SW1A) but was not analyzed. As discussed above, one planned sample at the base of the northeast portion of the Low Area was not collected because of the presence of asphalt in this area. In the shoreline area, seven soil samples were collected on January 14, 2021 from the planned sampling locations presented in the CMP; these sampling locations are shown on Figure 5.

In accordance with the CMP, performance monitoring soil samples were analyzed by ALS Laboratory, located in Everett, Washington and Burlington, Ontario (dioxin/furan and PCB congener analyses only) for the following:

- Low Area:
 - Dioxin/furan by US Environmental Protection Agency (EPA) Method 1613B
- Shoreline Restoration:
 - Dioxin/furan by EPA 1613B
 - Diesel-range total petroleum hydrocarbons (TPH-D) by Method Northwest total petroleum hydrocarbon diesel-range extended (NWTPH-Dx)
 - Carcinogenic polycyclic aromatic hydrocarbons (cPAHs) by EPA Method 8270
 - Metals (arsenic, cadmium, copper, nickel, selenium, silver, and thallium) by EPA Method 6020/7471
 - PCB congeners by EPA Method 1668A (LAI-1 and LAI-2 samples only).

Performance Monitoring Analytical Results

Summaries of the analytical results are provided in Tables 1 and 2, and the original reports from the analytical laboratory are provided in Attachment 6. The concentrations of contaminants detected in soil samples from the Low Area were compared to the interim action REL of 13 ng/kg developed for the Low Area.

As summarized in Table 1, the dioxin/furan TEQ concentrations in samples representing soil remaining in the Low Area after excavation are all less than the REL of 13 ng/kg. Bottom and sidewall sample analytical results ranged between 0.746 and 9.19 ng/kg, except for sampling location LA-B3. As described in the above sections, soil represented by sample LA-B3 was excavated and a follow-up sample (LA-B3a) was collected; analytical results for this follow-up sample indicated a concentration of 0.746 ng/kg, which is well below the REL.

Table 2 summarizes the analytical results for soil samples collected during performance monitoring in the shoreline restoration area. Interim action remediation levels were not developed for the shoreline restoration area analytical data, and these data are presented for informational purposes and will be integrated into the RI/FS for evaluation against the appropriate preliminary Site cleanup levels. These results represent soil conditions at the limits of excavation prior to the placement of a minimum of 2 ft of sand/gravel and topsoil fill and are summarized by the following key findings:

- Dioxin/furan TEQ concentrations were relatively low, except at one location. The resulting values generally ranged from 2.53 ng/kg to 6.01 ng/kg, except at sampling location LAI-2, where the result was 40.7 ng/kg. The result at this location will be further considered as part of the ongoing RI, in consultation with Ecology. However, as noted above, the soil horizon that was sampled is located below the recently placed topsoil/sand mixture, which is a minimum of 2 ft thick.
- TPH-D concentrations were detected at four locations at concentrations above the laboratory reporting limit, ranging between 58 mg/kg and 180 mg/kg, which is less than the Site preliminary soil screening level of 200 mg/kg. Oil-range total petroleum hydrocarbons were also detected in select samples at concentrations up to 730 mg/kg; these results may be biased high by organics present in the samples.
- cPAHs concentrations were relatively low and were either not detected at concentrations greater than the laboratory reporting limit, or just above; the maximum cPAH TEQ concentration was 0.048 mg/kg at LAI-5, which is less than the Site preliminary soil vadose zone screening level of 0.14 mg/kg.
- Arsenic was detected at concentrations ranging between 5.6 mg/kg and 8.5 mg/kg, which are all less than the Site preliminary soil screening level of 20 mg/kg.
- Cadmium was only detected at concentrations above the laboratory reporting limit in four samples (LAI-3, LAI-4, LAI-5, and LAI-7); the maximum cadmium concentration was 0.23 mg/kg, which is less than the Site preliminary soil screening level of 1.2 mg/kg.
- Copper was detected at concentrations ranging between 15 mg/kg and 52 mg/kg, which are all less than or just above the Site preliminary soil screening level of 36 mg/kg.
- Nickel was detected at concentrations ranging between 20 mg/kg and 43 mg/kg, which is less than the Site vadose zone preliminary soil screening level of 48 mg/kg.
- Selenium, silver, and thallium were not detected at concentrations greater than the laboratory reporting limits.

- PCB congeners were detected in both samples analyzed. Total PCB congener results were 3,658 ng/kg and 267,978 ng/kg in samples LAI-1 and LAI-2, respectively. Total dioxin-like PCB TEQs using human-health toxicity equivalence factors (TEFs) were 0.196 ng/kg and 11.5 ng/kg in samples LAI-1 and LAI-2, respectively. For comparison, the Site preliminary vadose zone soil screening level for total PCBs (Aroclors or congeners) is 309,000 ng/kg.

Confirmation Monitoring

Confirmation monitoring is generally used to document the long-term effectiveness of a cleanup action and demonstrate compliance with MTCA cleanup standards. Some of the performance monitoring samples will be used to confirm compliance by demonstrating contaminant removal is complete in certain areas or to record the conditions; soil characterization samples collected prior to implementation of the interim action may also be applicable for use as confirmation monitoring samples. The Port will assess the data in cooperation with Ecology during the RI/FS process.

Conclusions

The interim action described in this technical memorandum included the removal of anthropogenic debris and structures along the shoreline, removal of contaminated soil in both the shoreline restoration and Low Areas, placement of a surface containment cap in the Low Area to prevent human and terrestrial ecological receptors from being exposed to any residual soil contamination, restoration and improvement of the shoreline buffer and shoreline, habitat, and ecological functionality of the shoreline of the Site. In total, approximately 460 tons of timbers, concrete, and rip rap, and approximately 3,946 tons of contaminated soil were removed from the Site and disposed at an appropriate disposal facility.

Performance monitoring soil samples were collected from the base and sidewalls of the Low Area and indicated that soil removal was successful to achieve interim action goals, and the soil remaining in the Low Area meets the RELs. Additional performance monitoring soil samples were collected in the shoreline restoration area to document conditions for use in the RI/FS.

This work was completed in accordance with the IAWP and EDR, which included the CMP and multiple additional shoreline restoration planning documents. Any deviations from plans presented in these documents were conducted in coordination with Ecology and are presented in this memorandum.

Use of This Technical Memorandum

This technical memorandum has been prepared for the exclusive use of the Port of Everett for specific application to the Bay Wood Products Site Interim Action. No other party is entitled to rely on the information, conclusions, and recommendations included in this document without the express written consent of LAI. Further, the reuse of information, conclusions, and recommendations provided herein for extensions of the project or for any other project, without review and

authorization by LAI, shall be at the user's sole risk. LAI warrants that within the limitations of scope, schedule, and budget, our services have been provided in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as this project. We make no other warranty, either express or implied.

This document has been prepared under the supervision and direction of the following key staff.

LANDAU ASSOCIATES, INC.



Dylan Frazer, LG
Senior Associate Geologist

DHF/JMD/ljl
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Attachments

- Figure 1: Vicinity Map
- Figure 2: Low Area Excavation and Compliance Monitoring Sampling Locations
- Figure 3: Low Area Cap Extent
- Figure 4: Low Area Finished Grade
- Figure 5: Shoreline Restoration Compliance Monitoring Sampling Locations
- Figure 6: Shoreline Restoration Finished Grade
- Figure 7: Shoreline Restoration Finished Grade—Final Surface Cross Sections
- Table 1: Low Area Compliance Monitoring Analytical Results
- Table 2: Shoreline Restoration Compliance Monitoring Analytical Results
- Attachment 1: Select Photographs
- Attachment 2: Subtitle D Landfill Disposal Receipts
- Attachment 3: Opportunistic Debris Removal Field Forms
- Attachment 4: Shoreline Restoration—Plantings and Large Woody Debris Photographs
- Attachment 5: Import Fill Criteria and Ecology Approvals
- Attachment 6: Compliance Monitoring Laboratory Analytical Reports

References

- Ecology. 2020. Administrative Order Docket #19502, Site Location: Bay Wood Shoreline Restoration & Cleanup, 200 W. Marine View Dr., Everett, WA 98201. Washington State Department of Ecology. December 2.
- LAI. 2020a. Final Compliance Monitoring Plan, Bay Wood Products Cleanup Site, Everett, Washington. Landau Associates, Inc. July 27.
- LAI. 2020b. Final Engineering Design Report, Bay Wood Products Cleanup Site, Everett, Washington. Landau Associates, Inc. November 10.
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- Meng, S. 2021: "Re: Bay Wood CM Summary and Additional Excavation Proposal." From Sam Meng, Washington State Department of Ecology, to Dylan Frazer, Landau Associates, Inc. February 26.
- Shannon & Wilson. 2019a. Restoration Design Criteria, Bay Wood Redevelopment and Shoreline Interim Cleanup and Restoration, Everett, Washington. Shannon & Wilson, Inc. June 20.
- Shannon & Wilson. 2019b. Restoration Plan, Bay Wood Shoreline Interim Cleanup and Restoration, Everett, Washington. Shannon & Wilson, Inc. November 21.
- Shannon & Wilson. 2019c. Test Pit Findings and Soils Management Plan, Bay Wood Shoreline Restoration, Everett, Washington. Shannon & Wilson, Inc. November 20.
- Winward. 2020. Memorandum: Lead Concentrations and cPAH TEQs in Topsoil/Sand Gravel Mixtures for Potential Use at Baywood. Windward Environmental, LLC. December 10.



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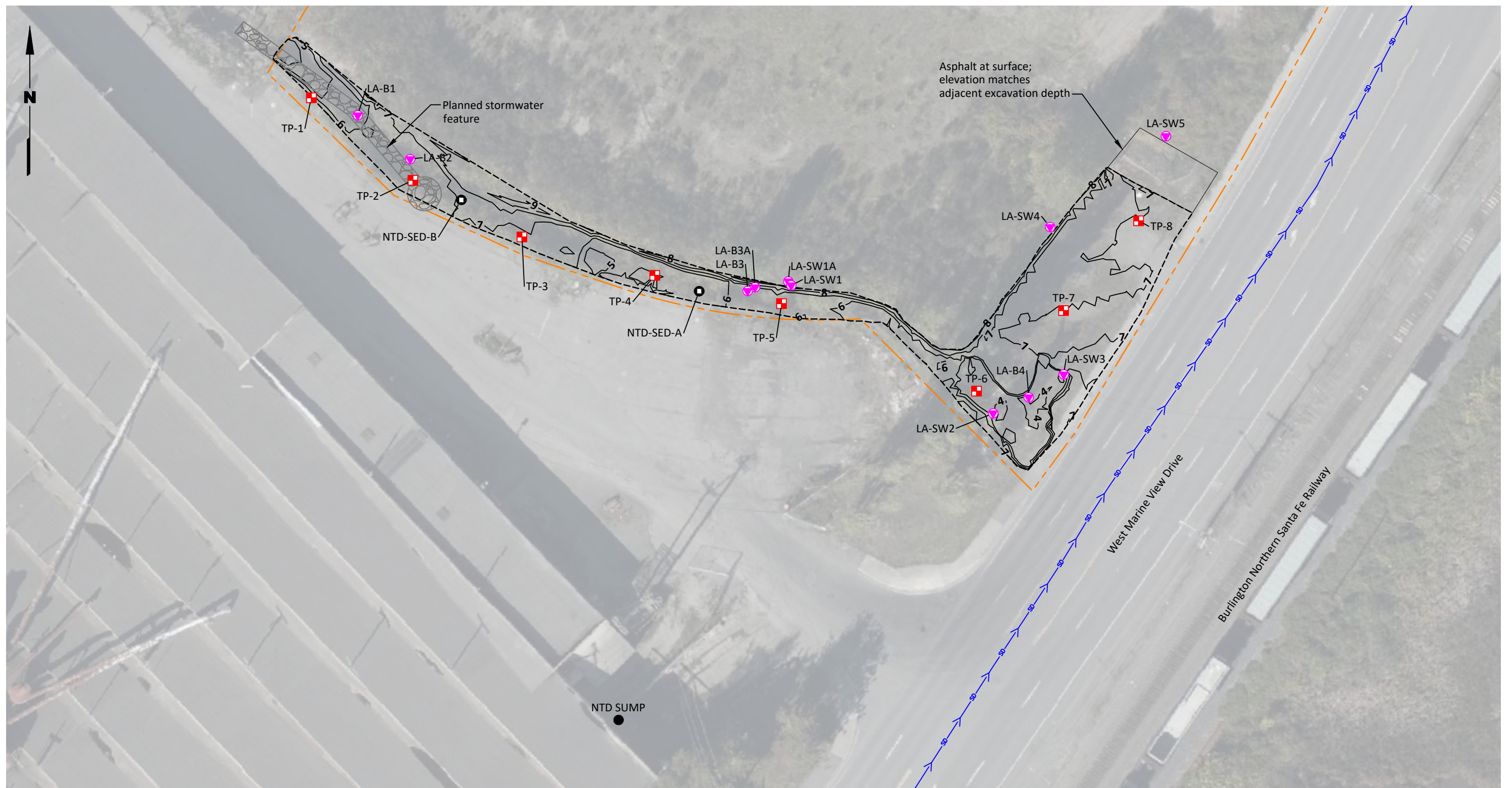
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Bay Wood Products
Everett, Washington

Vicinity Map

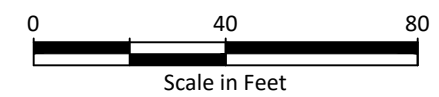
Figure
1





Legend

- Low Area Compliance Monitoring Sampling Location
- Low Area Characterization Test Pit/Sampling Location
- Soil Sample Location (SLR 2018)
- > City of Everett Stormdrain
- - - Site Boundary
- 7 — 2021 As-Built Excavation Contour (1ft interval)
- - - - - Excavation Limits

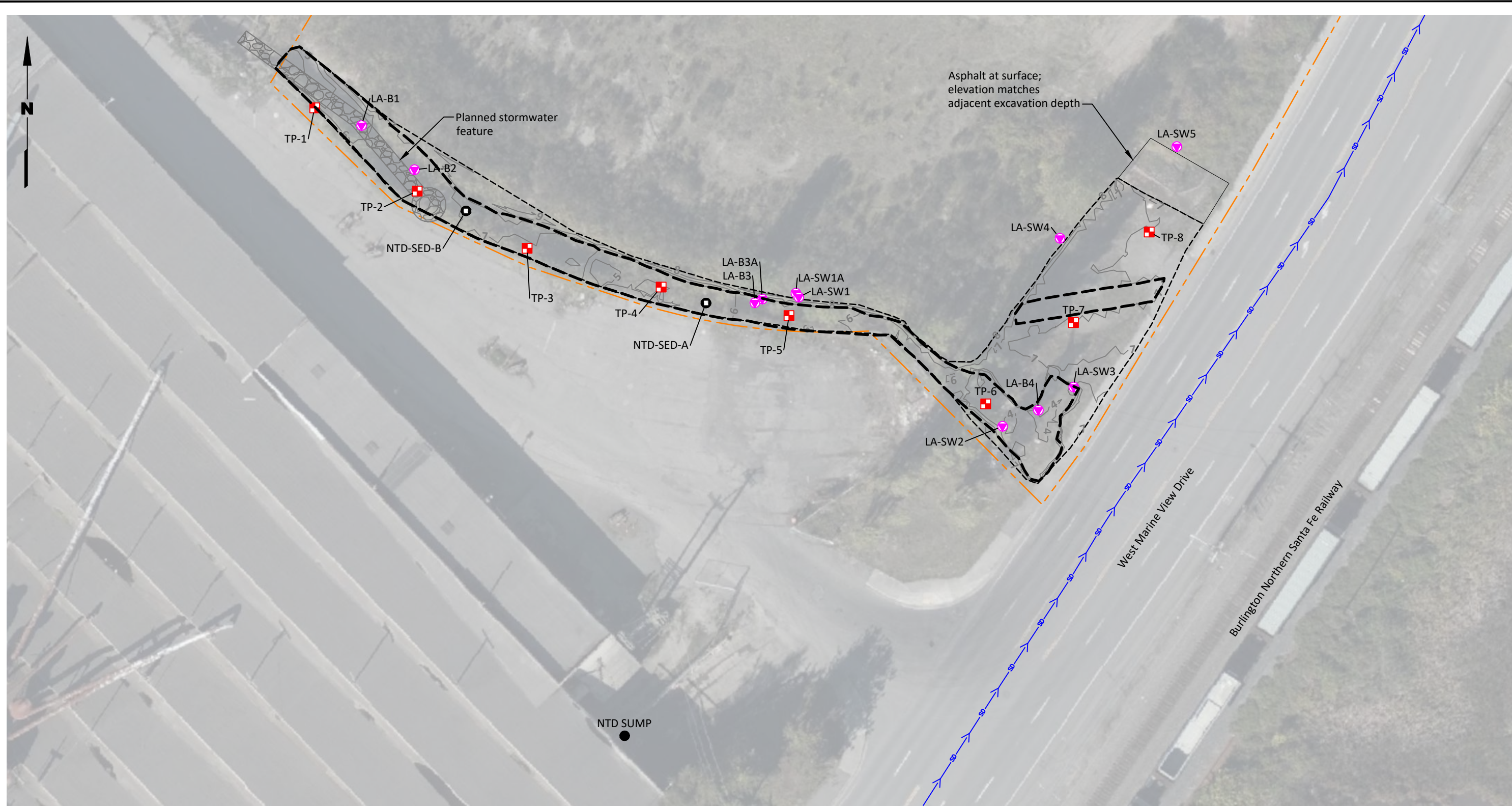


Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

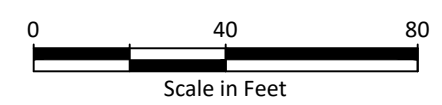
Source: Strider Construction, 2021; GeoEngineers 2018; Metron 2018; SLR 2018; ©Bing 2019

Baywood Products 2nd Interim Action Everett, Washington	Low Area Excavation and Compliance Monitoring Sampling Locations	Figure 2
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Legend

- Low Area Compliance Monitoring Sampling Location
- Low Area Characterization Test Pit/Sampling Location
- Soil Sample Location (SLR 2018)
- > City of Everett Stormdrain
- - - Site Boundary
- 7 — 2021 As-Built Excavation Contour (1ft interval)
- - - Excavation Limits
- - - - - Limits of Critterfence/Geotextile Cap



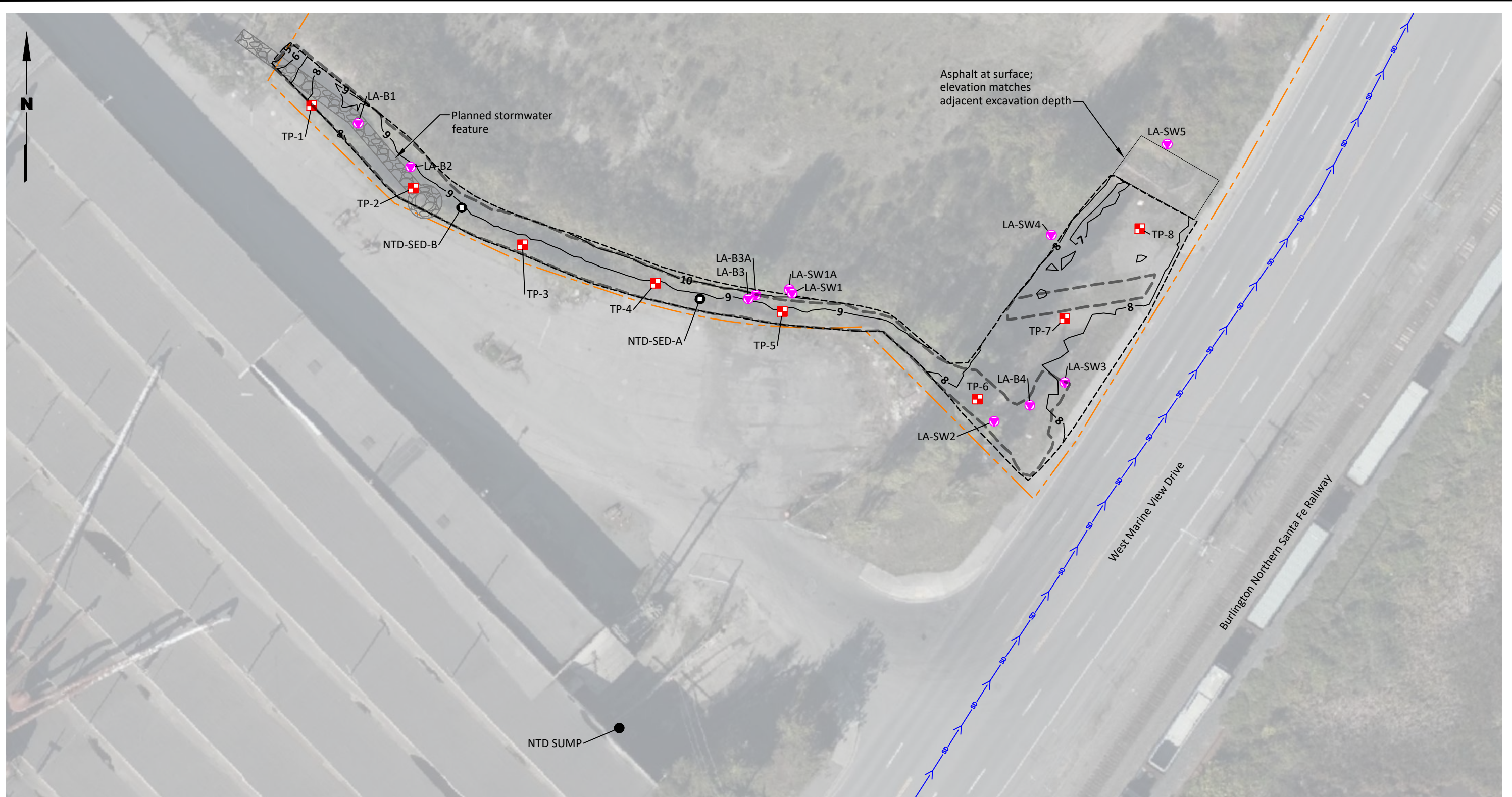
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Note

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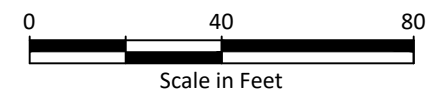


Baywood Products 2nd Interim Action Everett, Washington	Low Area Cap Extent	Figure 3
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Legend

- Low Area Compliance Monitoring Sampling Location
- Low Area Characterization Test Pit/Sampling Location
- Soil Sample Location (SLR 2018)
- City of Everett Stormdrain
- - - Site Boundary
- 7 — 2021 As-built Finished Grade Contour (1ft interval)
- - - - - Extent of Finished Grade
- - - - - Limits of Critterfence/Geotextile Cap



Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

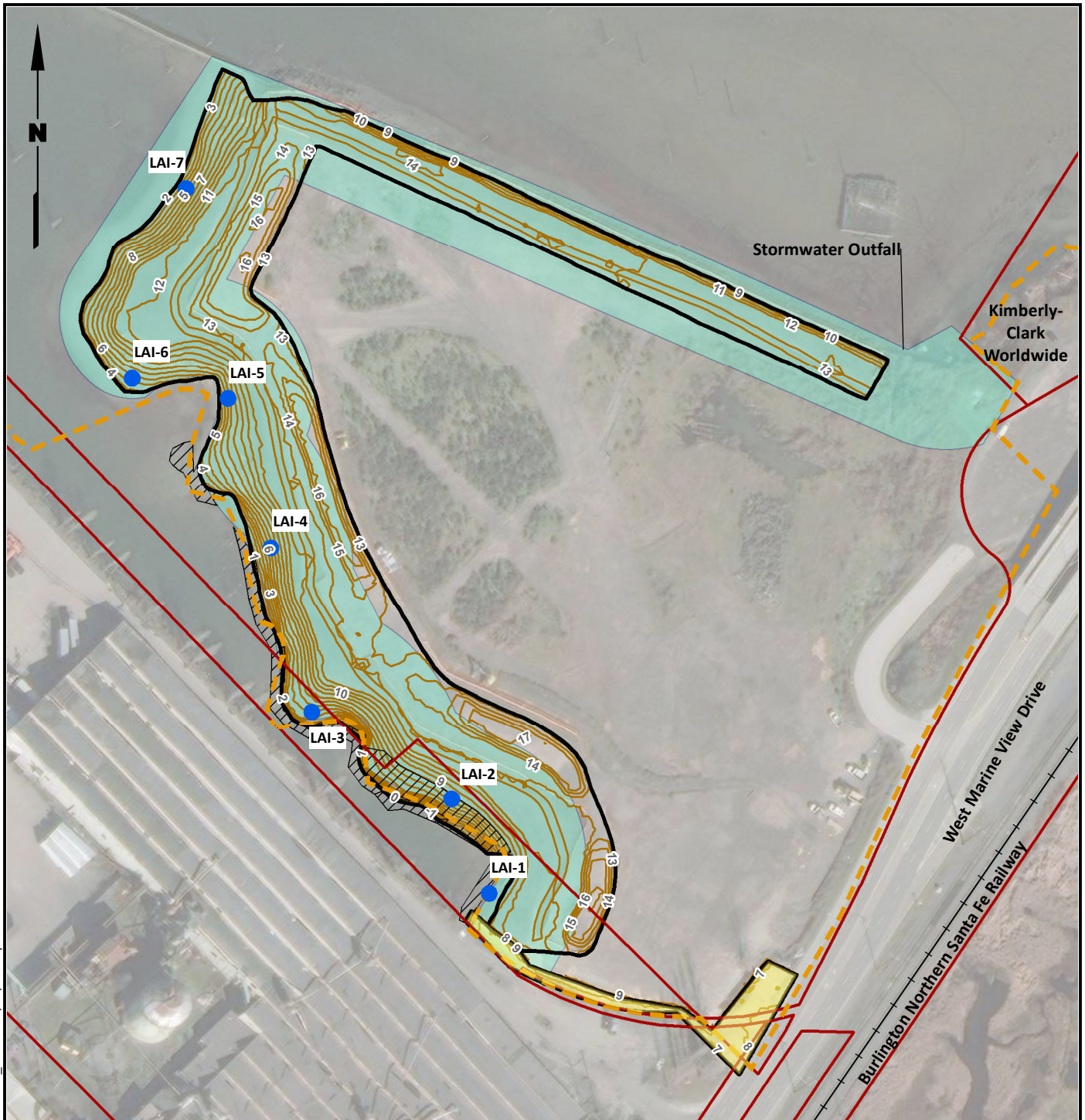
Source: Strider Construction, 2021; GeoEngineers 2018; Metron 2018; SLR 2018; ©Bing 2019



Baywood Products
Engineering Design Report
Everett, Washington

Low Area Finished Grade

Figure
4



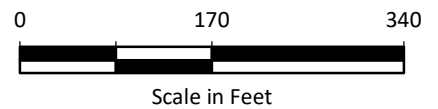
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Legend

- Shoreline Restoration Compliance Sampling Location (January 14, 2021)
- Low Area
- 2021 As-Built Shoreline Restoration Contour (NGVD29 Vertical Datum, 1ft interval)
- Opportunistic Debris Removal Area
- Shoreline Restoration Area
- Site Boundary (RI/FS 2018)
- Parcel Boundary
- Interim Action Excavation Limit

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.



Data Source: Shannon & Wilson, Inc.; 2019; Geoengineers, 2018
 Base Map Source: ESRI World Imagery, 2020





Bay Wood Products Interim Action Everett, Washington	Shoreline Restoration Compliance Monitoring Sampling Locations	Figure 5
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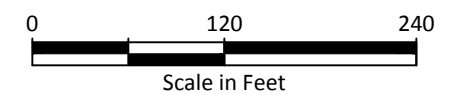
As-built Trail Alignment
(not included in Interim Action)

Legend

-  5 2021 As-Built Shoreline Restoration Contour (NGVD29 Vertical Datum, 1ft interval)
-  As-Built Trail Alignment

Note

1. See Figure 7 for cross-section views.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.



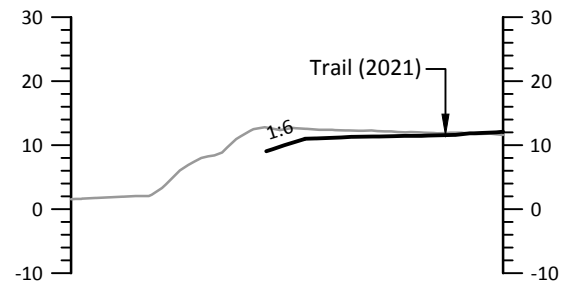
Source: Strider Construction, 2021; GeoEngineers 2018; Metron 2018; SLR 2018; ©Bing 2019

Baywood Products
Interim Action
Everett, Washington

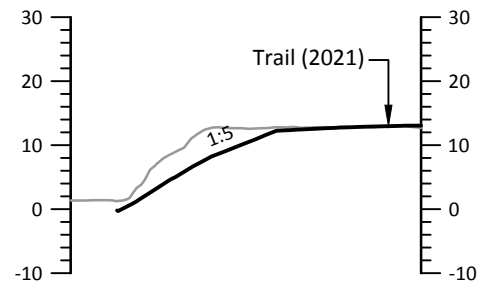
**Shoreline Restoration
Finished Grade**

Figure
6

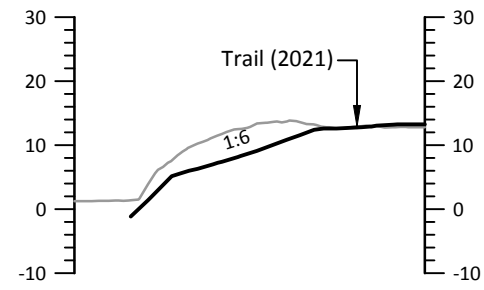
Landau Associates | G:\Projects\147\053\010\018\F07 ShorelineRestorationFG_R2.dwg | 1/25/2022 4:20 PM | EZICK



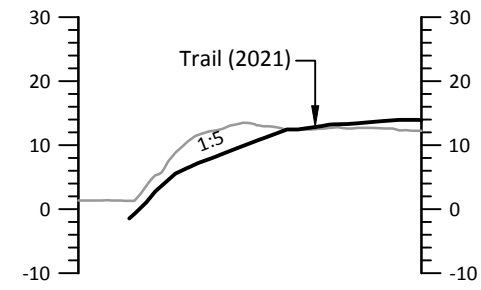
Cross-Section A-A'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



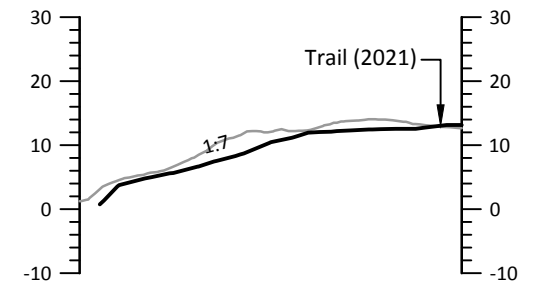
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Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



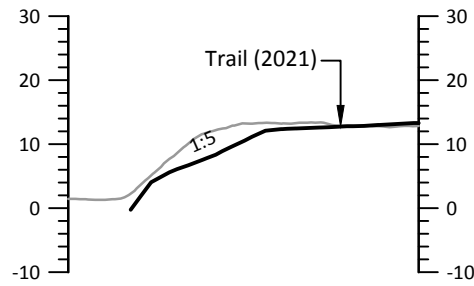
Cross-Section C-C'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



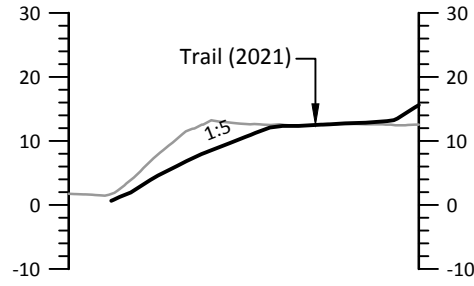
Cross-Section D-D'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



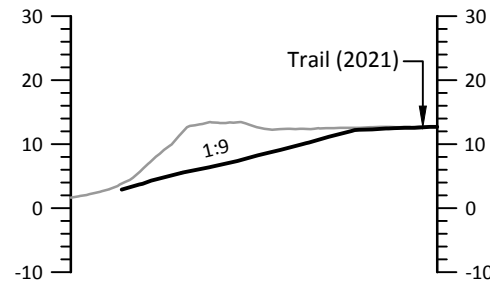
Cross-Section E-E'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



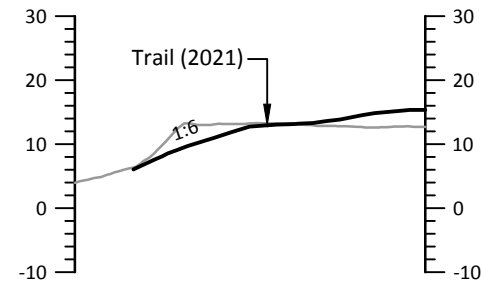
Cross-Section F-F'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



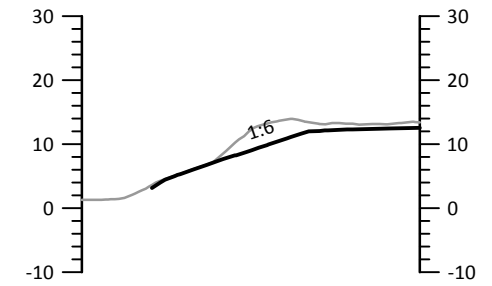
Cross-Section G-G'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



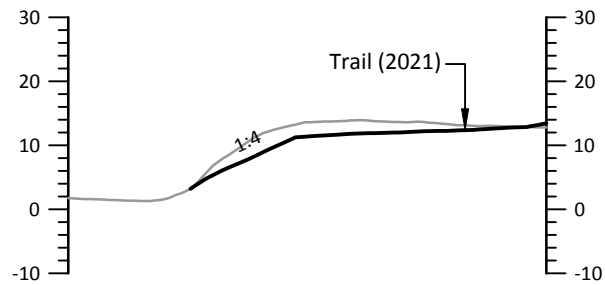
Cross-Section H-H'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



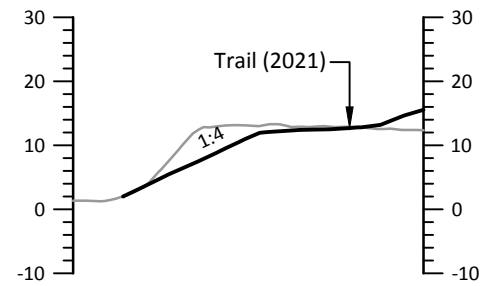
Cross-Section I-I'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



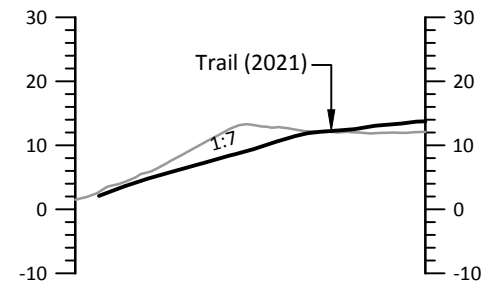
Cross-Section J-J'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



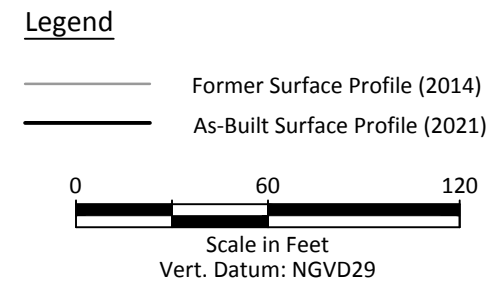
Cross-Section K-K'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



Cross-Section L-L'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



Cross-Section M-M'
Horizontal Scale in Feet: 1"=60'
Vertical Scale in Feet: 1"=30'



Note

1. See Figure 6 for cross-section alignments.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Source: Strider Construction, 2021; GeoEngineers 2018; Metron 2018; SLR 2018; ©Bing 2019

Baywood Products
Interim Action
Everett, Washington

**Shoreline Restoration
Finished Grade
Cross-Sections**

Figure
7



Table 1
Low Area Compliance Monitoring Analytical Results
Bay Wood Products Site
Everett, Washington

Analyte	Interim Action Remediation Level	Field Sample ID, Sample Depth (a) , Laboratory SDG, Sample Date									
		LA-SW1-201208	LA-SW2-201209	LA-SW3-201209	LA-SW4-201209	LA-SW5-201209	LA-B1-201208	LA-B2-201208	LA-B3-201208	LA-B3A-210301	LA-B4-201209
		0-1 ft EV20120054 12/8/2020	0-3 ft EV20120061 12/9/2020	0-3 ft EV20120061 12/9/2020	0-1 ft EV20120061 12/9/2020	0-2 ft EV20120061 12/9/2020	1-2 ft EV20120054 12/8/2020	1-2 ft EV20120054 12/8/2020	1-2 ft EV20120054 12/8/2020	3-4 ft EV21030006 3/1/2021	3-4 ft EV20120061 12/9/2020
Dioxins/Furans (ng/kg; SW-846 1613B)											
2,3,7,8-TCDD	NL	0.13 U	0.28 U	0.30 J	0.084 U	0.086 U	0.58 U	0.70 U	2.5 J	0.05 UJ	0.64 U
1,2,3,7,8-PeCDD	NL	0.39 U	1.85 J	0.95 J	0.080 U	0.10 U	0.32 U	3.3 U	17.8 J	0.065 UJ	1.94 J
1,2,3,4,7,8-HxCDD	NL	1.95 J	2.9	0.87 U	0.20 U	0.14 U	1.00 J	5.2 UJ	57.1 J	0.25 UJ	2.47 J
1,2,3,6,7,8-HxCDD	NL	6.68	8.86	2.10 U	0.22 U	0.14 U	3.38	12.0 U	170	1.1 J	8.20 U
1,2,3,7,8,9-HxCDD	NL	3.35	5.17	1.54 J	0.21 U	0.14 U	1.00 U	12.0 U	94.4 J	0.43 UJ	5.35
1,2,3,4,6,7,8-HpCDD	NL	192	241	35.8	6.33	1.60 J	84.7	152	5,350	32.5 J	247
OCDD	NL	1,900	2,590	420	71.9	15.1	915	2,100 J-	56,600	342 J	3,210
2,3,7,8-TCDF	NL	0.19 U	1.60 U	2.95	0.075 U	0.071 U	0.40 U	0.56 U	2.7 U	0.079 UJ	6.13
1,2,3,7,8-PeCDF	NL	0.23 U	1.04 J	1.30 J	0.087 U	0.078 U	0.34 U	0.86 U	9.5 J	0.072 UJ	2.24 J
2,3,4,7,8-PeCDF	NL	0.80 U	1.92 J	2.07 J	0.074 U	0.062 U	0.29 U	1.2 U	19.4 J	0.12 UJ	3.64
1,2,3,4,7,8-HxCDF	NL	1.74 J	2.74 J	0.97 J	0.14 U	0.093 U	0.75 J	3.3 UJ	39.8 J	0.294 J	2.90 U
1,2,3,6,7,8-HxCDF	NL	1.05 J	1.50 J	0.91 J	0.11 U	0.098 U	0.55 U	3.4 U	33.3 J	0.21 UJ	2.00 U
2,3,4,6,7,8-HxCDF	NL	3.01	4.40 U	1.20 U	0.13 U	0.095 U	1.05 J	3.4 U	61.2 J	0.413 J	4.70
1,2,3,7,8,9-HxCDF	NL	0.52 U	0.77 U	0.61 U	0.20 U	0.13 U	0.80 U	6.1 U	13.4 J	0.078 UJ	1.19 J
1,2,3,4,6,7,8-HpCDF	NL	29.4	49.0	10.5	1.48 J	0.34 J	18.6	25.0 U	732	6.47 J	43.6
1,2,3,4,7,8,9-HpCDF	NL	2.08 J	2.2 U	0.52 U	0.28 U	0.16 U	0.60 J	4.1 UJ	49.6 J	0.38 UJ	3.20 U
OCDF	NL	74.4	136	22.3	4.07 J	1.36 J	44.4	46.8 J	1,910	9.15 J	113
Total Tetra-Dioxins	NL	0.59	15.6	41.2	0.258	0.086 U	0.58 U	2.55	9.0	0.577 J	60.7
Total Penta-Dioxins	NL	0.32	18.1	32.0	0.080 U	0.10 U	0.81	3.3 U	77.4	0.375 J	70.3
Total Hexa-Dioxins	NL	33.2	68.0	30.8	0.22 U	0.14 U	12.7	45.5	887	5.4 J	82.1
Total Hepta-Dioxins	NL	318	448	71.2	6.33	3.82	144	281	9,050	59.5 J	465
Total Tetra-Furans	NL	0.33	12.8	45.8	0.075 U	0.071 U	0.40 U	0.94	12.6	0.06 J	71.8
Total Penta-Furans	NL	9.17	32.7	22.9	0.087 U	0.107	1.33	9.0	224	1.33 J	45.0
Total Hexa-Furans	NL	37.1	65.4	14.8	0.20 U	0.13 U	19.2	11.6	885	6.31 J	62.1
Total Hepta-Furans	NL	81.2	127	25.4	3.52	0.34	46.2	4.1 U	1,870	13 J	125
Total TEQ (ND = DL/2) (b)	13 (c)	4.88	8.53	3.25	0.26	0.17	2.55	5.95	152	0.746 J	9.19

Notes:

- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J- = The result is an estimated quantity and the result may be biased low.
- U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- Bold** text indicates detected analyte.
- Grayed back text indicates soil represented by this sample was overexcavated and a follow-up compliance monitoring sample was collected.
- Green shading indicates detected analyte exceeds applicable screening level.
- (a) Sampling depths represent approximate depth intervals below previous ground surface
- (b) U flagged data was substituted with ½ detection limit when calculating TEQ.
- (c) Dioxin/furan TEQ soil screening level in the Low Area is based on the MTCA Method B human health direct contact pathway (13 ng/kg); the Sitewide for dioxin/furan TEQ based on background concentrations is 5.2 ng/kg.

Abbreviations and Acronyms:

- DL = detection limit
- ID = identification
- ft - feet
- MTCA = Model Toxics Control Act
- ND = not detected
- ng/kg = nanograms per kilogram
- NL = not listed
- SDG = sample delivery group
- TEQ = toxic equivalent concentration

Table 2
Shoreline Restoration Compliance Monitoring Analytical Results
Bay Wood Products Site
Everett, Washington

Analyte	Interim Action Remediation Level	Field Sample ID, Laboratory SDG, Sample Date						
		LAI-1-20210114 EV21010106 1/14/2021	LAI-2-20210114 EV21010106 1/14/2021	LAI-3-20210114 EV21010106 1/14/2021	LAI-4-20210114 EV21010106 1/14/2021	LAI-5-20210114 EV21010106 1/14/2021	LAI-6-20210114 EV21010106 1/14/2021	LAI-7-20210114 EV21010106 1/14/2021
		Dioxins/Furans (ng/kg; SW-846 1613B)						
2,3,7,8-TCDD	NL	0.071 J	0.453 J	0.10 U	0.366 J	0.287 J	0.40 J	0.240 U
1,2,3,7,8-PeCDD	NL	0.340 U	5.14	1.10	0.900 J	0.510 J	1.09 J	0.330 U
1,2,3,4,7,8-HxCDD	NL	0.760 J	9.72	1.17 J	0.71 J	0.55 J	1.65 J	0.68 U
1,2,3,6,7,8-HxCDD	NL	3.88	98.1	15.2	7.90	3.39 J	2.03 J	2.84 J
1,2,3,7,8,9-HxCDD	NL	2.37 J	23.2	3.79 J	2.45 J	1.75 J	2.66 J	1.43 J
1,2,3,4,6,7,8-HpCDD	NL	89.3	1,080	156	99.7	70.0	12.9	90.0
OCDD	NL	836	6,440	1,120	812	676	33.3	882
2,3,7,8-TCDF	NL	0.574 J	4.17	1.14	0.83	0.66 J	2.32	0.471 J
1,2,3,7,8-PeCDF	NL	0.223 J	3.03 J	0.37 U	0.470 U	0.352 J	0.90 U	0.22 U
2,3,4,7,8-PeCDF	NL	0.419 J	7.44	0.96 U	1.16 J	0.872 J	1.63 J	0.894 J
1,2,3,4,7,8-HxCDF	NL	0.931 J	8.76	1.35 J	1.51 J	0.807 J	0.61 U	0.77 J
1,2,3,6,7,8-HxCDF	NL	0.645 J	7.90	1.89 J	1.03 J	0.776 J	0.75 U	0.67 U
2,3,4,6,7,8-HxCDF	NL	1.36 U	19.1 U	2.30 U	1.78 U	1.24 U	0.87 J	1.10 U
1,2,3,7,8,9-HxCDF	NL	0.277 J	3.32 J	0.55 U	0.38 J	0.300 U	0.18 U	0.23 J
1,2,3,4,6,7,8-HpCDF	NL	22.5	425	39.5	28.3	13.5	1.42 J	9.97
1,2,3,4,7,8,9-HpCDF	NL	1.29 J	11.9	2.31 J	1.32	0.73 J	0.15 U	0.59 J
OCDF	NL	57.0	377	65.6	48.1	36.5	1.25 J	27.1
Total Tetra-Dioxins	NL	2.04	11.9	2.66	4.96	2.95	90.0	3.14
Total Penta-Dioxins	NL	3.47	39.6	6.25	9.71	6.16	62.9	5.82
Total Hexa-Dioxins	NL	23.2	428	53.4	47.0	35.2	125	33.4
Total Hepta-Dioxins	NL	165	1,900	268	188	137	23.5	278
Total Tetra-Furans	NL	3.31	28.0	17.7	8.62	7.14	41.3	5.94
Total Penta-Furans	NL	10.4	301	23.5	18.7	14.0	23.1	10.7
Total Hexa-Furans	NL	27.5	335	51.8	45.0	21.1	6.16	16.5
Total Hepta-Furans	NL	67.2	1,050	104	72.8	38.4	2.60	28.1
Total TEQ (ND = DL/2)	NA (a)	2.53	40.7	6.01	4.65	2.93	3.12	2.20
Total Petroleum Hydrocarbons (mg/kg; NWTPH-Dx)								
Diesel Range Organics	NL	25 U	27 U	180 J	77 J	82 J	25 U	58 J
Motor Oil Range Organics	NL	56	120	730 J	270	250	50 U	120
Semivolatiles (mg/kg; SW-846 8270-SIM)								
Benzo(a)anthracene	NL	0.020 U	0.020 U	0.020 U	0.020 U	0.032	0.020 U	0.029
Chrysene	NL	0.020 U	0.020 U	0.020 U	0.020 U	0.034	0.020 U	0.030
Benzo(b)fluoranthene	NL	0.025	0.030	0.020 U	0.020 U	0.055	0.020 U	0.042
Benzo(k)fluoranthene	NL	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Benzo(a)pyrene	NL	0.020 U	0.020 U	0.020 U	0.020 U	0.036	0.020 U	0.025

Table 2
Shoreline Restoration Compliance Monitoring Analytical Results
Bay Wood Products Site
Everett, Washington

Analyte	Interim Action Remediation Level	Field Sample ID, Laboratory SDG, Sample Date						
		LAI-1-20210114	LAI-2-20210114	LAI-3-20210114	LAI-4-20210114	LAI-5-20210114	LAI-6-20210114	LAI-7-20210114
		EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021
Indeno(1,2,3-cd)pyrene	NL	0.020 U	0.020 U	0.020 U	0.020 U	0.026	0.020 U	0.020 U
Dibenz(a,h)anthracene	NL	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
cPAH TEQ (ND = 0)	NL	0.003	0.003	0.020 U	0.020 U	0.048	0.020 U	0.032
Total Metals (mg/kg; SW-846 6020)								
Arsenic	NL	5.6	8.5	3.7	6.7	7.1	8.3	6.1
Cadmium	NL	0.10 U	0.10 U	0.22	0.23	0.16	0.10 U	0.18
Copper	NL	15	37	52	37	29	20	34
Nickel	NL	26	20	21	39	38	39	43
Selenium	NL	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Silver	NL	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Thallium	NL	0.44 U	0.52 U	0.73 U	0.53 U	0.49 U	0.42 U	0.43 U
PCBs (ng/kg; SW-846 1668A)								
PCB-1	NL	1.54 J	2.00 U	--	--	--	--	--
PCB-2	NL	0.92 U	1.70 U	--	--	--	--	--
PCB-3	NL	2.43	3.80	--	--	--	--	--
PCB-4	NL	1.39 J	3.58	--	--	--	--	--
PCB-10	NL	0.30 U	0.26 U	--	--	--	--	--
PCB-9	NL	0.19 U	0.30 U	--	--	--	--	--
PCB-7	NL	0.21 U	0.50 J	--	--	--	--	--
PCB-6	NL	0.17 UJ	1.92 J	--	--	--	--	--
PCB-5	NL	0.22 U	0.34 U	--	--	--	--	--
PCB-8	NL	0.15 UJ	9.25	--	--	--	--	--
PCB-14	NL	0.21 U	0.56 U	--	--	--	--	--
PCB-11	NL	5.41	5.47	--	--	--	--	--
PCB-13/12	NL	1.18 J	1.79 J	--	--	--	--	--
PCB-15	NL	7.92	17.9	--	--	--	--	--
PCB-19	NL	1.11 J	2.03 J	--	--	--	--	--
PCB-30/18	NL	3.18	13.7	--	--	--	--	--
PCB-17	NL	1.76	6.23	--	--	--	--	--
PCB-27	NL	0.374 J	0.99 J	--	--	--	--	--
PCB-24	NL	0.058 U	0.21 U	--	--	--	--	--
PCB-16	NL	1.27 J	5.68	--	--	--	--	--
PCB-32	NL	1.62	4.75	--	--	--	--	--
PCB-34	NL	0.16 U	0.78 U	--	--	--	--	--
PCB-23	NL	0.13 U	0.63 U	--	--	--	--	--
PCB-29/26	NL	1.61	5.28	--	--	--	--	--

Table 2
Shoreline Restoration Compliance Monitoring Analytical Results
Bay Wood Products Site
Everett, Washington

Analyte	Interim Action Remediation Level	Field Sample ID, Laboratory SDG, Sample Date						
		LAI-1-20210114	LAI-2-20210114	LAI-3-20210114	LAI-4-20210114	LAI-5-20210114	LAI-6-20210114	LAI-7-20210114
		EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021
PCB-25	NL	0.90 J	2.67	--	--	--	--	--
PCB-31	NL	11.1	32.1	--	--	--	--	--
PCB-28/20	NL	17.1	35.3	--	--	--	--	--
PCB-21/33	NL	4.65	13.8	--	--	--	--	--
PCB-22	NL	4.21	10.5	--	--	--	--	--
PCB-36	NL	0.51 J	9.36	--	--	--	--	--
PCB-39	NL	0.14 U	0.68 U	--	--	--	--	--
PCB-38	NL	0.14 U	0.67 U	--	--	--	--	--
PCB-35	NL	0.39 U	1.50 J	--	--	--	--	--
PCB-37	NL	11.3	28.9	--	--	--	--	--
PCB-54	NL	0.046 U	0.14 U	--	--	--	--	--
PCB-50/53	NL	1.6 U	24.1	--	--	--	--	--
PCB-45/51	NL	2.6 J	7.81	--	--	--	--	--
PCB-46	NL	1.8 U	2.56	--	--	--	--	--
PCB-52	NL	32.0	1,780	--	--	--	--	--
PCB-73	NL	1.1 U	0.17 U	--	--	--	--	--
PCB-43	NL	1.7 U	0.27 U	--	--	--	--	--
PCB-69/49	NL	16.4	381	--	--	--	--	--
PCB-48	NL	2.7 J	12.7	--	--	--	--	--
PCB-44/47/65	NL	21.0	364	--	--	--	--	--
PCB-59/62/75	NL	1.8 U	7.78	--	--	--	--	--
PCB-42	NL	4.1 J	33.8	--	--	--	--	--
PCB-41/71/40	NL	8.0 J	54.3	--	--	--	--	--
PCB-64	NL	9.0 J	151	--	--	--	--	--
PCB-72	NL	1.5 U	3.8	--	--	--	--	--
PCB-68	NL	1.4 U	2.1 J	--	--	--	--	--
PCB-57	NL	5.4	374	--	--	--	--	--
PCB-58	NL	1.5 U	1.5 U	--	--	--	--	--
PCB-67	NL	1.3 U	6.7	--	--	--	--	--
PCB-63	NL	1.5 U	8.4 U	--	--	--	--	--
PCB-61/70/74/76	NL	46.9	1,260	--	--	--	--	--
PCB-66	NL	25.7	451	--	--	--	--	--
PCB-55	NL	1.5 U	1.4 U	--	--	--	--	--
PCB-56	NL	10.0 J	108	--	--	--	--	--
PCB-60	NL	5.8 J	172	--	--	--	--	--
PCB-80	NL	1.3 U	1.3 U	--	--	--	--	--

Table 2
Shoreline Restoration Compliance Monitoring Analytical Results
Bay Wood Products Site
Everett, Washington

Analyte	Interim Action Remediation Level	Field Sample ID, Laboratory SDG, Sample Date						
		LAI-1-20210114	LAI-2-20210114	LAI-3-20210114	LAI-4-20210114	LAI-5-20210114	LAI-6-20210114	LAI-7-20210114
		EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021
PCB-79	NL	1.7 J	261	--	--	--	--	--
PCB-78	NL	1.6 U	109	--	--	--	--	--
PCB-81	NL	2.1 U	1.8 U	--	--	--	--	--
PCB-77	NL	5.1 J	92.0	--	--	--	--	--
PCB-104	NL	0.033 U	0.14 U	--	--	--	--	--
PCB-96	NL	0.465 J	12.0	--	--	--	--	--
PCB-103	NL	0.92 J	66.5	--	--	--	--	--
PCB-94	NL	0.56 J	21.6	--	--	--	--	--
PCB-95	NL	166	11,200	--	--	--	--	--
PCB-100/93/102/98	NL	3.70 U	247	--	--	--	--	--
PCB-88/91	NL	30.5	2,620	--	--	--	--	--
PCB-84	NL	37.3	1,570	--	--	--	--	--
PCB-89	NL	1.01 J	32.8	--	--	--	--	--
PCB-121	NL	0.40 U	0.94 U	--	--	--	--	--
PCB-92	NL	35.8	4,040	--	--	--	--	--
PCB-113/90/101	NL	144	19,200	--	--	--	--	--
PCB-83/99	NL	108	9,190	--	--	--	--	--
PCB-112	NL	0.39 U	0.92 U	--	--	--	--	--
PCB-108/119/86/97/125/87	NL	79.6	9,880	--	--	--	--	--
PCB-117/116/85/110/115	NL	282	33,500	--	--	--	--	--
PCB-82	NL	10.7 J	1,500	--	--	--	--	--
PCB-111	NL	0.41 U	0.97 U	--	--	--	--	--
PCB-120	NL	0.44 U	0.96 U	--	--	--	--	--
PCB-107/124	NL	7.13	1,020	--	--	--	--	--
PCB-109	NL	10.9	804	--	--	--	--	--
PCB-123	NL	4.19	444	--	--	--	--	--
PCB-106	NL	0.15 U	0.98 U	--	--	--	--	--
PCB-118	NL	122	11,700	--	--	--	--	--
PCB-122	NL	2.73	286	--	--	--	--	--
PCB-114	NL	1.80	142	--	--	--	--	--
PCB-105	NL	57.4	4,800	--	--	--	--	--
PCB-127	NL	0.60 U	63.7	--	--	--	--	--
PCB-126	NL	1.84	108	--	--	--	--	--
PCB-155	NL	0.58 U	0.96 U	--	--	--	--	--
PCB-152	NL	0.66 U	16.9 J	--	--	--	--	--
PCB-150	NL	0.64 U	19.0 J	--	--	--	--	--

Table 2
Shoreline Restoration Compliance Monitoring Analytical Results
Bay Wood Products Site
Everett, Washington

Analyte	Interim Action Remediation Level	Field Sample ID, Laboratory SDG, Sample Date						
		LAI-1-20210114	LAI-2-20210114	LAI-3-20210114	LAI-4-20210114	LAI-5-20210114	LAI-6-20210114	LAI-7-20210114
		EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021
PCB-136	NL	30.8	1,710	--	--	--	--	--
PCB-145	NL	0.66 U	7.7 U	--	--	--	--	--
PCB-148	NL	0.91 U	14.4 J	--	--	--	--	--
PCB-151/135	NL	97.3	6,570	--	--	--	--	--
PCB-154	NL	2.29 J	81.3	--	--	--	--	--
PCB-144	NL	10.9 J	825	--	--	--	--	--
PCB-147/149	NL	294	18,500	--	--	--	--	--
PCB-134/143	NL	23.4	1,280	--	--	--	--	--
PCB-139/140	NL	9.4 J	592	--	--	--	--	--
PCB-131	NL	5.3 U	408	--	--	--	--	--
PCB-142	NL	1.6 U	7.3 U	--	--	--	--	--
PCB-132	NL	143	9,990	--	--	--	--	--
PCB-133	NL	6.9 J	411	--	--	--	--	--
PCB-165	NL	1.2 U	9.7 U	--	--	--	--	--
PCB-146	NL	53.6	3,560	--	--	--	--	--
PCB-161	NL	1.1 U	5.0 U	--	--	--	--	--
PCB-168/153	NL	272	20,400	--	--	--	--	--
PCB-141	NL	56.2	4,730	--	--	--	--	--
PCB-130	NL	36.0	2,210	--	--	--	--	--
PCB-137/164	NL	56.5	4,330	--	--	--	--	--
PCB-138/163/129	NL	495	37,200	--	--	--	--	--
PCB-160	NL	1.1 U	4.8 U	--	--	--	--	--
PCB-158	NL	36.7	2,760	--	--	--	--	--
PCB-128/166	NL	89.5	6,920	--	--	--	--	--
PCB-159	NL	1.7 J	63.0	--	--	--	--	--
PCB-162	NL	2.4 J	109	--	--	--	--	--
PCB-167	NL	20.4	1,590	--	--	--	--	--
PCB-156/157	NL	47.4	3,830	--	--	--	--	--
PCB-169	NL	0.21 U	2.1 U	--	--	--	--	--
PCB-188	NL	0.88 U	3.0 U	--	--	--	--	--
PCB-179	NL	18.0	735	--	--	--	--	--
PCB-184	NL	0.76 U	3.3 U	--	--	--	--	--
PCB-176	NL	4.70 U	231	--	--	--	--	--
PCB-186	NL	0.85 U	1.8 U	--	--	--	--	--
PCB-178	NL	9.0 J	385	--	--	--	--	--
PCB-175	NL	1.2 U	83.8	--	--	--	--	--

Table 2
Shoreline Restoration Compliance Monitoring Analytical Results
Bay Wood Products Site
Everett, Washington

Analyte	Interim Action Remediation Level	Field Sample ID, Laboratory SDG, Sample Date						
		LAI-1-20210114	LAI-2-20210114	LAI-3-20210114	LAI-4-20210114	LAI-5-20210114	LAI-6-20210114	LAI-7-20210114
		EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021	EV21010106 1/14/2021
PCB-187	NL	45.8	2,070	--	--	--	--	--
PCB-182	NL	1.1 U	2.3 U	--	--	--	--	--
PCB-183	NL	24.3	1,110	--	--	--	--	--
PCB-185	NL	2.4 J	128	--	--	--	--	--
PCB-174	NL	40.9	2,190	--	--	--	--	--
PCB-177	NL	26.0	1,270	--	--	--	--	--
PCB-181	NL	1.1 U	72.4	--	--	--	--	--
PCB-171/173	NL	14.9 J	846	--	--	--	--	--
PCB-172	NL	8.7 J	406	--	--	--	--	--
PCB-192	NL	0.97 U	2.1 U	--	--	--	--	--
PCB-180/193	NL	86.6	4,550	--	--	--	--	--
PCB-191	NL	2.22 J	107	--	--	--	--	--
PCB-170	NL	52.7	2,960	--	--	--	--	--
PCB-190	NL	9.82 J	511	--	--	--	--	--
PCB-189	NL	3.74	211	--	--	--	--	--
PCB-202	NL	5.21	142	--	--	--	--	--
PCB-201	NL	2.11	51.3	--	--	--	--	--
PCB-204	NL	0.041 U	0.19 U	--	--	--	--	--
PCB-197	NL	0.439 J	10.9	--	--	--	--	--
PCB-200	NL	3.41	89.5	--	--	--	--	--
PCB-198/199	NL	30.3	875	--	--	--	--	--
PCB-196	NL	11.4	295	--	--	--	--	--
PCB-203	NL	17.2	542	--	--	--	--	--
PCB-195	NL	9.53	286	--	--	--	--	--
PCB-194	NL	23.2	698	--	--	--	--	--
PCB-205	NL	1.14 J	33.6	--	--	--	--	--
PCB-208	NL	6.3 J	129	--	--	--	--	--
PCB-207	NL	2.8 U	46.7	--	--	--	--	--
PCB-206	NL	15.2	378	--	--	--	--	--
PCB-209	NL	20.1	91.9	--	--	--	--	--
Mono-CB	NL	4.89 J	7.50 J	--	--	--	--	--
Di-CB	NL	16.4 J	40.4 J	--	--	--	--	--
Tri-CB	NL	61.1 J	173 J	--	--	--	--	--
Tetra-CB	NL	200 J	5,670 J	--	--	--	--	--
Penta-CB	NL	1,110 J	112,000 J	--	--	--	--	--
Hexa-CB	NL	1,790 J	128,000 J	--	--	--	--	--

Table 2
Shoreline Restoration Compliance Monitoring Analytical Results
Bay Wood Products Site
Everett, Washington

Analyte	Interim Action Remediation Level	Field Sample ID, Laboratory SDG, Sample Date						
		LAI-1-20210114 EV21010106 1/14/2021	LAI-2-20210114 EV21010106 1/14/2021	LAI-3-20210114 EV21010106 1/14/2021	LAI-4-20210114 EV21010106 1/14/2021	LAI-5-20210114 EV21010106 1/14/2021	LAI-6-20210114 EV21010106 1/14/2021	LAI-7-20210114 EV21010106 1/14/2021
		Hepta-CB	NL	350 J	17,900 J	--	--	--
Octa-CB	NL	104 J	3,020 J	--	--	--	--	--
Nona-CB	NL	21.5 J	554 J	--	--	--	--	--
Deca-CB	NL	20.1 J	91.9 J	--	--	--	--	--
Total PCB Congeners	NL	3,658	267,978	--	--	--	--	--
Total Dioxin-Like PCBs- Human Health TEQ (ND = 1/2 DL) (b)	NL	0.196	11.5	--	--	--	--	--

Notes:

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J- = The result is an estimated quantity and the result may be biased low.

U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

Bold text indicates detected analyte.

(a) Dioxin/furan TEQ soil screening level in the Low Area is based on the MTCA Method B human health direct contact pathway (13 ng/kg); the Sitewide for dioxin/furan TEQ based on background concentrations is 5.2 ng/kg

(b) U flagged data was substituted with ½ detection limit when calculating TEQ.

Abbreviations and Acronyms:

DL = detection limit

ID = identification

MTCA = Model Toxics Control Act

NA = not applicable

ND = not detected

ng/kg = nanograms per kilogram

NL = not listed

NWTPH = Northwest Total Petroleum Hydrocarbon

TEQ = toxic equivalent concentration

ATTACHMENT 1

Select Photographs



Low Area Photograph A



Low Area Photograph B



Low Area Photograph C



Low Area Photograph D



Shoreline Restoration Photograph E



Shoreline Restoration Photograph F



Shoreline Restoration Photograph G



Shoreline Restoration Photograph H



Shoreline Restoration Photograph I



Shoreline Restoration Photograph J



Shoreline Restoration Photograph K



Shoreline Restoration Photograph L

10/6/21 \\cedmdata01\projects\147\053\VA Construction Report\Attachments\Att.1- Photos\Figure 1-6.docx

Subtitle D Landfill Disposal Receipts

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825716

Tiffany O.

014209 - Strider Construction Co. Inc
4721 Northwest Road
Bellingham, WA 98225

1/14/21 9:39 am

1/14/21 10:03 am

7331

GCEU431190

Contract:MC-19210

DTTX620382

Scale In	GROSS WEIGHT	104,900	NET TONS	28.53
Scale Out	TARE WEIGHT	47,840	NET WEIGHT	57,060

INBOUND
INVOICE

28.00	YD	Tracking QTY
28.53	tn	Cont Soil

Origin:Everett 100%

CHANGE:

CHECK :



Snohomish County

Public Works Solid Waste Division

425-388-3425 | www.snoco.org

PACIFIC TOPSOILS-SMITH ISLAND

3000 FRONTAGE ROAD

EVERETT, WA 98205

425 317-8420

A-8

Plants need food to Thrive!
Fertilization is recommended
with all our soil mixes.

TRANSACTION RECEIPT

A-8

Load No.: AP390450
Date: 02/04/21
Entry Time: 08:48
Operator In: 128
Exit Time: 08:54
Operator Out: 323

Customer #:134543
Ticket# 9-T1082329
User: EDDIE
4-Feb-21 12:50 pm Station: 902

Vehicle ID: STRIDEMD02
Vehicle Type: 20 - SINGLE AXLE TRUCK

Item #	Qty	Price	Total
SCONCRET	10.00	9.00	90.00
DUMP CONCRETE UNDER 2'			
ECF	10.00	1.00	10.00
ENVIRMTAL COMPLIANCE FEE			
Subtotal			100.00
Tax			0.00
Total			100.00
=====			
Tender:			
A/R Charge			100.00

Customer: 3370
STRIDER CONSTRUCTION

Material: 20 - MIXED CONSTRUCTION AND
DE

Gross: 18.48 ton
Tare: 14.68 ton
Net: 3.80 ton

Rate: \$ 105.00 / ton
Fee: \$ 398.65
Tax: \$ 14.35
Total Fee: \$ 413.00

Driver Signature

STRIDER CONST CO INC
4721 NORTHWEST DR
BELLINGHAM, WA 98226 9019
360-380-1234

Customer PO# 20-bw

A-8

PACIFIC TOPSOILS-SMITH ISLAND
3000 FRONTAGE ROAD
EVERETT, WA 98205
425 317-8420

Plants need food to Thrive!
Fertilization is recommended
with a 1 our soil mixes.

Customer #:134543
Ticket# 9-T1082311
User: EDDIE
4-Feb-21 9:55 am Station: 902

Item #	Qty	Price	Total
SCONCRET DUMP CONCRETE UNDER 2'	12.00	9.00	108.00
ECF ENVIRMTAL COMPLIANCE FEE	12.00	1.00	12.00
Subtota			120.00
Tax			0.00
Total			120.00
Tender:			
A/R Charge			120.00

STRIDER CONST CO INC
4721 NORTHWEST DR
BELLINGHAM, WA 98226 9019
360-380-1234

Customer PC# 20-bw

Clean - 20 BW

A-6



Snohomish County
Public Works Solid Waste Division
425-388-3425 | www.snoco.org

TRANSACTION RECEIPT

Load No.: AP359813
Date: 12/15/20
Entry Time: 11:52
Operator In: 189
Exit Time: 12:02
Operator Out: 189

Vehicle ID: EMD13
Vehicle Type: 20 - SINGLE AXLE TRUCK

Customer: 3370
STRIDER CONSTRUCTION

Material: 30 - MIXED WOOD

Gross: 18.48 ton
Tare: 14.05 ton
Net: 4.43 ton

Rate: \$ 105.00 / ton
Fee: \$ 465.25
Tax: \$ 16.75
Total Fee: \$ 482.00

Driver Signature

A-6



Snohomish County
Public Works Solid Waste Division
425-388-3425 | www.snoco.org

TRANSACTION RECEIPT

Load No.: AP359886
Date: 12/15/20
Entry Time: 13:21
Operator In: 189
Exit Time: 13:31
Operator Out: 189

Vehicle ID: EMD13
Vehicle Type: 20 - SINGLE AXLE TRUCK

Customer: 3370
STRIDER CONSTRUCTION

Material: 30 - MIXED WOOD

Gross:
Tare:
Net:

Rate: \$ 105.00 / ton
Fee: \$ 592.66
Tax: 21.34
Total Fee: \$ 614.00

Comments:
20 BW

592.66/105=5.64

Driver Signature

A-6



Snohomish County

Public Works Solid Waste Division
425-388-3425 | www.snoco.org

TRANSACTION RECEIPT

Load No.: AP360148
Date: 12/16/20
Entry Time: 08:32
Operator In: 333
Exit Time: 08:40
Operator Out: 189

Vehicle ID: STRIDEMD13
Vehicle Type: 20 - SINGLE AXLE TRUCK

Customer: 3370
STRIDER CONSTRUCTION

Material: 30 - MIXED WOOD

Gross: 17.60 ton
Tare: 14.16 ton
Net: 3.44 ton

Rate: \$ 105.00 / ton
Fee: \$ 361.00
Tax: \$ 13.00
Total Fee: \$ 374.00

Comments:
20 BD

Driver Signature

A-6



Snohomish County

Public Works Solid Waste Division
425-388-3425 | www.snoco.org

TRANSACTION RECEIPT

Load No.: AP361043
Date: 12/17/20
Entry Time: 15:22
Operator In: 128
Exit Time: 15:28
Operator Out: 323

Vehicle ID: STRIDEMD13
Vehicle Type: 20 - SINGLE AXLE TRUCK

Customer: 3370
STRIDER CONSTRUCTION

Material: 20 - MIXED CONSTRUCTION AND
DE

Gross: 20.41 ton
Tare: 14.03 ton
Net: 6.38 ton

Rate: \$ 105.00 / ton
Fee: \$ 669.88
Tax: \$ 24.12
Total Fee: \$ 694.00

Driver Signature

A-6



Snohomish County

Public Works Solid Waste Division
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TRANSACTION RECEIPT

Load No.: AP360804
Date: 12/17/20
Entry Time: 11:36
Operator In: 128
Exit Time: 11:41
Operator Out: 323

Vehicle ID: STRIDEMD13
Vehicle Type: 20 - SINGLE AXLE TRUCK

Customer: 3370
STRIDER CONSTRUCTION

Material: 30 - MIXED WOOD

Gross: 18.97 ton
Tare: 14.09 ton
Net: 4.88 ton

Rate: \$ 105.00 / ton
Fee: \$ 512.55
Tax: \$ 18.45
Total Fee: \$ 531.00

Driver Signature

A-6



Snohomish County

Public Works Solid Waste Division
425-388-3425 | www.snoco.org

TRANSACTION RECEIPT

Load No.: AP360969
Date: 12/17/20
Entry Time: 14:12
Operator In: 128
Exit Time: 14:17
Operator Out: 323

Vehicle ID: STRIDEMD13
Vehicle Type: 20 - SINGLE AXLE TRUCK

Customer: 3370
STRIDER CONSTRUCTION

Material: 20 - MIXED CONSTRUCTION AND
DE

Gross: 20.27 ton
Tare: 14.05 ton
Net: 6.22 ton

Rate: \$ 105.00 / ton
Fee: \$ 653.47
Tax: \$ 23.53
Total Fee: \$ 677.00

Driver Signature

A-6



Snohomish County

Public Works Solid Waste Division
425-388-3425 | www.snoco.org

TRANSACTION RECEIPT

Load No.: AP360886
Date: 12/17/20
Entry Time: 12:56
Operator In: 128
Exit Time: 13:04
Operator Out: 323

Vehicle ID: STRIDEMD13
Vehicle Type: 20 - SINGLE AXLE TRUCK

Customer: 3370
STRIDER CONSTRUCTION

Material: 20 - MIXED CONSTRUCTION AND
DE

Gross: 20.78 ton
Tare: 14.10 ton
Net: 6.68 ton

Rate: \$ 105.00 / ton
Fee: \$ 701.74
Tax: \$ 25.26
Total Fee: \$ 727.00

Driver Signature

A-6



Snohomish County

Public Works Solid Waste Division
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TRANSACTION RECEIPT

Load No.: AP361355
Date: 12/18/20
Entry Time: 11:57
Operator In: 342
Exit Time: 12:09
Operator Out: 128

Vehicle ID: STRIDEMD13
Vehicle Type: 20 - SINGLE AXLE TRUCK

Customer: 3370
STRIDER CONSTRUCTION

Material: 30 - MIXED WOOD

Gross: 18.24 ton
Tare: 14.05 ton
Net: 4.19 ton

Rate: \$ 105.00 / ton
Fee: \$ 440.15
Tax: \$ 15.85
Total Fee: \$ 456.00

Driver Signature

A-6



Snohomish County

Public Works Solid Waste Division
425-388-3425 | www.snoco.org

TRANSACTION RECEIPT

Load No.: AP361214
Date: 12/18/20
Entry Time: 09:38
Operator In: 342
Exit Time: 09:46
Operator Out: 128

Vehicle ID: STRIDEMD13
Vehicle Type: 20 - SINGLE AXLE TRUCK

Customer: 3370
STRIDER CONSTRUCTION

Material: 30 - MIXED WOOD

Gross: 20.03 ton
Tare: 14.09 ton
Net: 5.94 ton

Rate: \$ 105.00 / ton
Fee: \$ 623.55
Tax: \$ 22.45
Total Fee: \$ 646.00

Driver Signature

A-6



Snohomish County

Public Works Solid Waste Division
425-388-3425 | www.snoco.org

TRANSACTION RECEIPT

Load No.: AP361283
Date: 12/18/20
Entry Time: 10:48
Operator In: 342
Exit Time: 10:55
Operator Out: 128

Vehicle ID: STRIDEMD13
Vehicle Type: 20 - SINGLE AXLE TRUCK

Customer: 3370
STRIDER CONSTRUCTION

Material: 30 - MIXED WOOD

Gross: 20.44 ton
Tare: 14.06 ton
Net: 6.38 ton

Rate: \$ 105.00 / ton
Fee: \$ 669.88
Tax: \$ 24.12
Total Fee: \$ 694.00

Driver Signature

PACIFIC TOPSOILS-SMITH ISLAND
3000 FRONTAGE ROAD
EVERETT, WA 98205
425 317-8420

A-10

Plants need food to Thrive!
Fertilization is recommended
with a four soil mixes.

Customer # 134543

Ticket# 911 080040

User: CARR

15 Dec 2020 12:45 pm Location: 902

Item #	Qty	Price	Total
SCONCRET	20.00		380.00
DUMP CONCRETE CURB R 2			

ECF	20.00	1.00	20.00
ENVIRONMENTAL COMPLIANCE FEE			

Subtotal	400.00
Tax	0.00

Total 400.00

Tender

A/R Charge 400.00

STRIDER CONST CO INC
4721 NORTHWEST DR
BELLINGHAM, WA 98226 9019
360-360-1234

Customer PO# M012

A-10,
T1080040

WEIGHED ON A FAIRBANKS SCALE

MD-12

CUSTOMER'S NAME Strider
ADDRESS _____
COMMODITY _____
CARRIER MD-12

Opp Spalls Bw-20

INBOUND DATE _____ TIME _____
OUTBOUND DATE _____ TIME _____

105⁴⁰ gross
tar 24560 # 42,560 tar

NGR - 62,900
ton 31.45.
DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

FAIRBANKS SCALE CAT. 96756

A-10,
T1080040

WEIGHED ON A FAIRBANKS SCALE

Pacific Topsoils Inc.
3000 West Frontage
Everett, Wa 98205
(425)337-2700

CUSTOMER'S NAME 100620 lb
ADDRESS Pacific Topsoils Inc
COMMODITY 3000 West Frontage
CARRIER Everett, Wa 98205
(425)337-2700

INBOUND DATE _____ TIME _____
OUTBOUND DATE _____ TIME _____

58,840
29.92 ton

DRIVER ON _____ OFF _____

SHIPPER Strider md-13 + mx-03

WEIGHER _____

OPP spalls.

FAIRBANKS SCALE CAT. 96756

A-10,
T1080047

WEIGHED ON A FAIRBANKS SCALE

CUSTOMER'S NAME _____
 ADDRESS Pacific Topsoils Inc
 3000 West Frontage
 COMMODITY Everett, Wa 98205
 CARRIER (425)337-2700

Gross 111820 lb

INBOUND DATE REG ID: 12: ~~TIME~~ 1b RECALLED 0
 12/15/2020
 OUTBOUND DATE ~~TIME~~ 1b RECALLED 0
 12/15/2020

~~REG ID: 26729 1b RECALLED 0
 01-34PM 12/15/2020
 REG ID: 43290 1b RECALLED 0
 02-06PM 12/15/2020
 REG ID: 425: 6280 1b RECALLED 0
 01-23PM 12/15/2020~~

DRIVER ON _____ OFF _____

Tare - 40,780
 Net 70,840 Tons - 35,42
 SHIPPER ~~Strider~~ md-13 4mx03

WEIGHER _____

OPP Spalls.

FAIRBANKS SCALE CAT. 96756

PACIFIC TOPSOILS-SMITH ISLAND
 3000 FRONTAGE ROAD
 EVERETT, WA 98205
 425 317-8420

Our products need food to Thrive!
 Fertilization is recommended
 with a four soil mixes.

Subtotal	168.00
Tax	0.00
Total	168.00

Subtotal	168.00
Tax	0.00
Total	168.00

A/R Charge 168.00

STRIDER CONSTRUCTION CO INC
 4721 NORTHWEST DR
 BELLINGHAM WA 98226-9019
 360-360-1234

Customer PO# ID13

WEIGHED ON A FAIRBANKS SCALE

~~ID 268~~

CUSTOMER'S NAME Strider.

ADDRESS _____

COMMODITY MD 12 20-BW

CARRIER Pacific Topsoils Inc
3000 West Frontage
Everett, Wa 98205
(425)337-2700

INBOUND DATE tare TIME
Gross 42720 lb
OUTBOUND DATE TIME

OPP
Concrete.

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

FAIRBANKS SCALE CAT. 96756

WEIGHED ON A FAIRBANKS SCALE

Pacific Topsoils Inc
3000 West Frontage
Everett, Wa 98205
(425)337-2700

A-10,
T1080036

CUSTOMER'S NAME Strider Construction

ADDRESS Gross 90000 lb

COMMODITY _____

CARRIER MD-12

20-BW - OPP
Concrete

INBOUND DATE TIME
OUTBOUND DATE TIME

GROSS - 90,000 LBS
tare - 42,720
Net - 47,280
tar. - 23.64
DRIVER ON _____ OFF _____
Yard. - 15.76.

SHIPPER _____

WEIGHER _____

FAIRBANKS SCALE CAT. 96756

PACIFIC TOPSOILS-SMITH ISLAND
3000 FRONTAGE ROAD
EVERETT, WA 98205

A-10

Plants need food to Thrive!
Fertilization is recommended
with all our soil mixes.

*** Reprint 123 ***

Print date: 7/16/2021

Ticket# 9-T1080036 User: CHRIS
12/15/2020 1 2:11 pm Station: 902

Item # Qty Price Total
Description

ZNOTES 20.00 7.00 140.00
QUARRY Spall

Sale subtotal 140.00
Tax 0.00

Total 140.00

=====
Tender:
A/R Charge 140.00

Sign STRIDER

Number of items purchased: 20.00

STRIDER CONST CO INC
4721 NORTHWEST DR
BELLINGHAM, WA 98226 9019
360-380-1234

Customer PO#Baywood



PACIFIC TOPSOILS-SMITH ISLAND
3000 FRONTAGE ROAD
EVERETT, WA 98205

A-8

Plants need food to Thrive!
Fertilization is recommended
with all our soil mixes.

*** Reprint 123 ***

Print date: 7/16/2021

Ticket# 9-T1082311 User: EDDIE
2/4/2021 12: 9:55 am Station: 902

Item #	Qty	Price	Total

SCONCRETEDUMP DUMP CONCRETE UNDER 2'	12.00	9.00	108.00
ECF ENVIRMTAL COMPLIANCE FEE	12.00	1.00	12.00

Sale subtotal			120.00
Tax			0.00

Total			120.00
=====			
Tender:			
A/R Charge			120.00

Sign



Number of items purchased: 24.00

STRIDER CONST CO INC
4721 NORTHWEST DR
BELLINGHAM, WA 98226 9019
360-380-1234

Customer PO#20-bw



PACIFIC TOPSOILS-SMITH ISLAND
3000 FRONTAGE ROAD
EVERETT, WA 98205

A-8

Plants need food to Thrive!
Fertilization is recommended
with all our soil mixes.

*** Reprint 123 ***

Print date: 7/16/2021

Ticket# 9-T1082329 User: EDDIE
2/4/2021 12: 12:50 pm Station: 902

Item #	Qty	Price	Total
DESCRIPTION			
SCONCRETEDUMP	10.00	9.00	90.00
DUMP CONCRETE UNDER 2'			
ECF	10.00	1.00	10.00
ENVIRMTAL COMPLIANCE FEE			

Sale subtotal 100.00
Tax 0.00

Total 100.00

Tender:
A/R Charge 100.00

Sign 

Number of items purchased: 20.00

STRIDER CONST CO INC
4721 NORTHWEST DR
BELLINGHAM, WA 98226 9019
360-380-1234

Customer PO#20-bw



PACIFIC TOPSOILS-SMITH ISLAND
3000 FRONTAGE ROAD
EVERETT, WA 98206
425 317-8420

A-6

Plants need food to Thrive!
Fertilization is recommended
with a l our soil mixes.

Customer #134543

Ticket# 9-T1080119

User: EDDIE

16-Dec-20 3:09 pm Station: 902

Item #	Qty	Price	Total
--------	-----	-------	-------

SOONCRET	13.00	10.00	180.00
DUMP CONCRETE UNDER 2'			

Subtotal:			180.00
Tax			0.00

Total			180.00
-------	--	--	--------

Tender:

A/R Charge			180.00
------------	--	--	--------

-----E'
STRIDER CONST CO INC
4724 NORTHWEST DR
BELLINGHAM, WA 98226 9019
360-380-1234

Customer PO# 20-bw



A-6

Store copy- PAID



2317 Machias Rd Lake Stevens WA 98258 425-334-3366

et#: **161725**

Printed On Tuesday

02/09/2021

09:55:05AM

WEIGHT IN : 9:50:00 am

WEIGHT OUT : 9:54:19 am

Started By Truck

Paid by Scale

Gross	Tare	Net	Price	Amount
LOOSE SCRAP/TIN				
35320	28740	6580	\$100.00/ton	\$329.00

Total --> \$ 329.00

Pay by Check: \$329.00

Check#: 155935

Strider 601100050

Construction Co.,

Customer Name ID/License Veh/Plate

4721 Northwest Dr Bellingham WA 98226
Address

Ownership: I hereby state that I am the lawful owner of the material described hereon, that I have a right to sell same, that all State redemption material listed is in fact valid State redemption material and that for payment received in full, hereby acknowledged, I sell and convey title of same to COMPANY NAME.

signature

fingerprint

ScrapRight.
Recycling Software Done Right.



A-6

Store copy- PAID



2317 Machias Rd Lake Stevens WA 98258 425-334-3366

Ticket#: **161743**

Printed On Tuesday

02/09/2021

11:44:27AM

WEIGHT IN : 11:39:00 am

WEIGHT OUT : 11:43:05 am

Started By Truck

Paid by Scale

Gross	Tare	Net	Price	Amount
LOOSE SCRAP/TIN				
32320	28680	3640	\$100.00/ton	\$182.00

Total --> \$ 182.00

Pay by Check: \$182.00

Check#: 155946

Strider 601100050

Construction Co.,

Customer Name ID/License Veh/Plate

4721 Northwest Dr Bellingham WA 98226
Address

Ownership: I hereby state that I am the lawful owner of the material described hereon, that I have a right to sell same, that all State redemption material listed is in fact valid State redemption material and that for payment received in full, hereby acknowledged, I sell and convey title of same to COMPANY NAME.

X

signature

fingerprint

ScrapRight.
Recycling Software Done Right.

A-10

PACIFIC TOP SOIL AND SAND
3000 FRONT
EVERETT, WA
425 317-8420

Plants need food to Thrive!
Fertilization is recommended
with all our soil mixes

*** Duplicate ***

Customer #134543

20-BW

Ticket# 9-T1079813

User: EDDIE

10-Dec-20 3pm 1000 900

	Qty	Price	Total
REFURBISHED UNDER 2'	14.50	10.00	145.00
REFURBISHED UNDER 2'	16.20	10.00	162.00
SCONCRETE DUMP CONCRETE UNDER 2'	19.30	10.00	193.00

Subtotal 500.00

Tax 0.00

Total 500.00

Tender:

A/R Charge 500.00

STRIDER CONST CO INC
4721 NORTHWEST DR
BELLINGHAM, WA 98226 9019
360 380-1234

ier PO# 20-bw

WEIGHED ON A FAIRBANKS SCALE

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER Strider MD-12

20-BW

INBOUND DATE _____ TIME _____

OUTBOUND DATE _____ TIME _____

Pacific Topsoils Inc
100 West Front
Everett, Wa 98205
(425)337-2700

Gross 42460 lb tare

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

A-10,
T1079813

CUSTOMER'S NAME _____
ADDRESS _____
COMMODITY opp debris clean/concrete
CARRIER Strider MD-12.

20BW

Pacific Topsoils Inc
3008 West Frontage
INBOUND DATE Everett, Wa 98201
OUTBOUND DATE (425)337-2700 TIME

Gross 100340 lb
- 42460
57,880

19.3 yds

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

A-10,
T1079813

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY OPP Debris clean / concrete

CARRIER Strider MD-12

20BW

INBOUND DATE 2010 Pacific Topsoils Inc
3000 West Frontage TIME

OUTBOUND DATE 2010 Everett, Wa 98205 TIME
(425)337-2700

Gross 90960 lb
- 42460
48,500

DRIVER ON 16.2 yards OFF _____

SHIPPER _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

A-10,
T1079813

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY OPP debris clean / cover

CARRIER Strober MD-12

DOBW

Pacific Topsoils Inc
3000 West Frontage

INBOUND DATE Everett, Wa 98205 TIME

(425)337-2700

OUTBOUND DATE _____ TIME

Gross 85960 lb

- 42460

43,500

14.5 yds

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

A-6

PACIFIC TOPSOILS-SMITH ISLAND
3000 FRONTAGE ROAD
EVERETT, WA 98205
425 317-8420

Plants need food to Thrive!
Fertilization is recommended
with a 4 our soil mixers

Customer #134543

Ticket# 9-T1080179

User: EDDIE

17-Dec-20 4:10 pm Staff

Item #	Qty	Price	Total
ECF	12.00		120.00
ENVIRONMENTAL COMPLIANCE FEE			
Subtotal			120.00
Tax			0.00
Total			120.00
Tender:			
A/R Charge			120.00

-----E'

STRIDER CONST CO INC
4721 NORTHWEST DR
BELLINGHAM, WA 98226 9019
360-380-1234

Customer PO# 20-bw

A-10

PACIFIC TOPSOILS-SMITH ISLAND
3000 FRONTAGE ROAD
EVERETT, WA 98205
425 317-8420

Plants need food to Thrive!
Fertilization is recommended
with a 4 our soil mixes

Customer #134543

Ticket# 9-T1080180

User: EDDIE

17-Dec-20 4 14 pm Station: 902

Item #	Qty	Price	Total
SCONCRET	14.50	10.00	145.00
DUMP CONCRETE UNDER 2'			
Subtotal			145.00
Tax			0.00
Total			145.00
Tender:			
A/R Charge			145.00

-----E'

STRIDER CONST CO INC
4721 NORTHWEST DR
BELLINGHAM, WA 98226 9019
360-380-1234

Customer PO# 20-bv

WEIGHED ON A FAIRBANKS SCALE

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY GROSS 28880 lb

TARE 52900 lb

CARRIER NET -24020 lb

INBOUND DATE _____ TIME _____

OUTBOUND DATE _____ TIME _____

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

MP-12

A-6,
T1080119

Strider Construction

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY 20-BW.

CARRIER ~~Concrete~~ Concrete

Demo

Pacific Topsoils Inc
3000 West Frontage
Everett, Wa 98205

INBOUND DATE (425)337-2700 TIME

OUTBOUND DATE _____ TIME _____

Gross 97360 lb

tax 42,740

Net - 54,620

Yard - 18

ton - 27.31

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

MD-12

CUSTOMER'S NAME Strider Construction
ADDRESS _____
COMMODITY _____
CARRIER _____

Pacific Topsoils Inc
3000 West Frontage
INBOUND DATE TIME
Everett, Wa 98205
OUTBOUND DATE (425)337-2700 TIME

tare
~~Gross~~ 42740 lb

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

A-6,
T1080179

MD-12

CUSTOMER'S NAME Strider Construction

ADDRESS _____

COMMODITY _____

CARRIER 20-BW Demo concrete.

INBOUND DATE _____ TIME _____

OUTBOUND DATE _____ TIME _____

Pacific Topsoils Inc
3000 West Front
Everett, Wa 98205
(425)337-2700

tare - 42660

Gross 79140 lb

Net 36,480

ton - 18.24

DRIVER ON _____ OFF _____

Yards - 12.16

SHIPPER _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY _____

CARRIER _____

Pacific Topsoils Inc
3000 West Frontage
Everett, Wa 98205
(425)337-2700

INBOUND DATE _____ TIME _____

OUTBOUND DATE _____ TIME _____

~~Gross~~ 42660 lb
tare

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

A-10,
T1080150

Pacific Topsoils Inc
3000 West Frontage MD-12
Everett, Wa 98205
(425)337-2700

CUSTOMER'S NAME Strider Construction
ADDRESS Gross 86600 lb
COMMODITY _____
CARRIER 20-BW opp concret.

INBOUND DATE _____ TIME _____

OUTBOUND DATE _____ TIME _____

Tare - 42,700
Gross - 86,600
Net - 43,900
ton - 21.95
Yard. 14.63

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

CUSTOMER'S NAME Strider construction

ADDRESS _____

COMMODITY _____

CARRIER MD-12

Pacific Topsoils Inc
3000 West Frontage
Everett, Wa 98205
(425)337-2700

INBOUND DATE _____ TIME _____

OUTBOUND DATE _____ TIME _____

~~Gross~~ → 42700 lb

tare.

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY	GROSS	28880 lb
	TARE	52900 lb

CARRIER	NET	-24020 lb
---------	-----	-----------

INBOUND DATE _____ TIME _____

OUTBOUND DATE _____ TIME _____

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

WEIGHED ON A FAIRBANKS SCALE

MD-12

CUSTOMER'S NAME Strider Construction
ADDRESS _____
COMMODITY _____
CARRIER _____

Pacific Topsoils Inc
3000 West Frontage
Everett, Wa 98205
INBOUND DATE _____ TIME _____
OUTBOUND DATE (425) 337-2700 TIME _____

tare
~~Gross~~ 42740 lb

DRIVER ON _____ OFF _____

SHIPPER _____

WEIGHER _____

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4830766

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

3/25/21 8:05 am 3/25/21 8:27 am
0330 GCEU435407

Contract:MC-19210 PO:20BW

DTTX471650

Scale In GROSS WEIGHT 122,200 NET TONS 36.95
Scale Out TARE WEIGHT 48,300 NET WEIGHT 73,900

INBOUND
INVOICE

28.00 YD Tracking QTY
36.95 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4830767

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

3/25/21 8:10 am 3/25/21 8:29 am
7750 TOLU456155

Contract:MC-19210 PO:20BW

DTTX471650

Scale In GROSS WEIGHT 121,720 NET TONS 36.70
Scale Out TARE WEIGHT 48,320 NET WEIGHT 73,400

INBOUND
INVOICE

28.00 YD Tracking QTY
36.70 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4830983

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

3/29/21 6:24 am 3/29/21 6:43 am
1454 GCEU426701

Contract:MC-19210 PO:20BW

DTTX427573

Scale In GROSS WEIGHT 82,080 NET TONS 17.40
Scale Out TARE WEIGHT 47,280 NET WEIGHT 34,800

INBOUND
INVOICE

28.00 YD Tracking QTY
17.40 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4831040

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

3/29/21 9:11 am 3/29/21 10:01 am
0330 GCEU435563

Contract:MC-19210 PO:20BW

DTTX427573

Scale In GROSS WEIGHT 102,540 NET TONS 27.03
Scale Out TARE WEIGHT 48,480 NET WEIGHT 54,060

INBOUND
INVOICE

28.00 YD Tracking QTY
27.03 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4831038

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

3/29/21 9:13 am

3/29/21 9:33 am

2234

TOLU468899

Contract:MC-19210 PO:20BW

DTTX427573

Scale In GROSS WEIGHT	119,000	NET TONS	35.90
Scale Out TARE WEIGHT	47,200	NET WEIGHT	71,800

INBOUND
INVOICE

28.00 YD Tracking QTY
35.90 tn Cont Soil

Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823551

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/12/20 7:53 am 12/12/20 8:12 am
7331 TOLU453512

Contract:MC-19210 PO:20BW

DTTX620616

Scale In GROSS WEIGHT 104,540 NET TONS 28.91
Scale Out TARE WEIGHT 46,720 NET WEIGHT 57,820

INBOUND
INVOICE

28.00 YD Tracking QTY
28.91 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823557

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/12/20 8:37 am 12/12/20 8:57 am
3450 TOLU455160

Contract:MC-19210 PO:20BW

DTTX56050

Scale In GROSS WEIGHT 110,140 NET TONS 31.45
Scale Out TARE WEIGHT 47,240 NET WEIGHT 62,900

INBOUND
INVOICE

28.00 YD Tracking QTY
31.45 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823561

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/12/20 8:43 am 12/12/20 9:05 am
7331 GCEU445118

Contract:MC-19210 PO:20BW

BNSF231179

Scale In GROSS WEIGHT 103,400 NET TONS 28.05
Scale Out TARE WEIGHT 47,300 NET WEIGHT 56,100

INBOUND
INVOICE

28.00 YD Tracking QTY
28.05 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823665

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/14/20 12:27 pm 12/14/20 12:48 pm
7331 TOLU457459

Contract:MC-19210 PO:20BW

BNSF231061

Scale In GROSS WEIGHT 86,560 NET TONS 19.79
Scale Out TARE WEIGHT 46,980 NET WEIGHT 39,580

INBOUND
INVOICE

28.00 YD Tracking QTY
19.79 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823679

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/14/20 12:59 pm 12/14/20 1:19 pm
0331 GCEU430885

Contract:MC-19210 PO:20BW

BNSF230058

Scale In GROSS WEIGHT 90,420 NET TONS 21.51
Scale Out TARE WEIGHT 47,400 NET WEIGHT 43,020

INBOUND
INVOICE

28.00 YD Tracking QTY
21.51 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823688

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/14/20 1:44 pm 12/14/20 2:05 pm
7748 GCEU426141

Contract:MC-19210 PO:20BW

DTTX620322

Scale In GROSS WEIGHT 94,980 NET TONS 23.31
Scale Out TARE WEIGHT 48,360 NET WEIGHT 46,620

INBOUND
INVOICE

28.00 YD Tracking QTY
23.31 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823694

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/14/20 2:47 pm 12/14/20 3:02 pm
0331 GCEU430018

Contract:MC-19210 PO:20BW

DTTX27616

Scale In GROSS WEIGHT 93,560 NET TONS 22.11
Scale Out TARE WEIGHT 49,340 NET WEIGHT 44,220

INBOUND
INVOICE

28.00 YD Tracking QTY
22.11 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823698

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/14/20 3:51 pm 12/14/20 4:17 pm
7331 GCEU426382

Contract:MC-19210 PO:20BW

BNSF230004

Scale In GROSS WEIGHT 104,680 NET TONS 28.44
Scale Out TARE WEIGHT 47,800 NET WEIGHT 56,880

INBOUND
INVOICE

28.00 YD Tracking QTY
28.44 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823735

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/15/20 8:41 am 12/15/20 9:02 am
1565 GCEU432044

Contract:MC-19210 PO:20BW

BNSF203011

Scale In GROSS WEIGHT 93,680 NET TONS 23.16
Scale Out TARE WEIGHT 47,360 NET WEIGHT 46,320

INBOUND
INVOICE

28.00 YD Tracking QTY
23.16 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823769

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/15/20 9:29 am 12/15/20 9:56 am
5833 TOLU454066

Contract:MC-19210 PO:20BW

BNSF230004

Scale In GROSS WEIGHT 92,440 NET TONS 22.31
Scale Out TARE WEIGHT 47,820 NET WEIGHT 44,620

INBOUND
INVOICE

28.00 YD Tracking QTY
22.31 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823806

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/15/20 12:18 pm

12/15/20 12:47 pm

5224

RBSU200148

Contract:MC-19210 PO:20BW

BNSF231119

Scale In	GROSS WEIGHT	89,720	NET TONS	17.85
Scale Out	TARE WEIGHT	54,020	NET WEIGHT	35,700

INBOUND
INVOICE

28.00	YD	Tracking QTY
17.85	tn	Cont Soil

Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823900

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/17/20 7:28 am 12/17/20 7:54 am
5227 TOLU459051

Contract:MC-19210 PO:20BW

DTTX54663

Scale In GROSS WEIGHT 105,100 NET TONS 27.89
Scale Out TARE WEIGHT 49,320 NET WEIGHT 55,780

INBOUND
INVOICE

28.00 YD Tracking QTY
27.89 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823904

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/17/20 8:28 am 12/17/20 8:47 am
5227 TOLU467491

Contract:MC-19210 PO:20BW

BNSF231159

Scale In GROSS WEIGHT 94,700 NET TONS 23.66
Scale Out TARE WEIGHT 47,380 NET WEIGHT 47,320

INBOUND
INVOICE

28.00 YD Tracking QTY
23.66 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823920

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/17/20 9:39 am 12/17/20 9:57 am
7331 TOLU455191

Contract:MC-19210 PO:20BW

BNSF231161

Scale In GROSS WEIGHT 77,960 NET TONS 15.19
Scale Out TARE WEIGHT 47,580 NET WEIGHT 30,380

INBOUND
INVOICE

28.00 YD Tracking QTY
15.19 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823964

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/18/20 10:53 am 12/18/20 11:14 am
5227 GCEU426451

Contract:MC-19210 PO:20BW

BNSF230098

Scale In GROSS WEIGHT 117,660 NET TONS 34.88
Scale Out TARE WEIGHT 47,900 NET WEIGHT 69,760

INBOUND
INVOICE

28.00 YD Tracking QTY
34.88 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823965

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/18/20 10:54 am 12/18/20 11:16 am
0330 GCEU435067

Contract:MC-19210 PO:20BW

BNSF230098

Scale In GROSS WEIGHT 98,000 NET TONS 24.86
Scale Out TARE WEIGHT 48,280 NET WEIGHT 49,720

INBOUND
INVOICE

28.00 YD Tracking QTY
24.86 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823967

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/18/20 11:17 am 12/18/20 11:34 am
7327 GCEU445088

Contract:MC-19210 PO:20BW

DTX652082

Scale In GROSS WEIGHT 95,780 NET TONS 24.51
Scale Out TARE WEIGHT 46,760 NET WEIGHT 49,020

INBOUND
INVOICE

28.00 YD Tracking QTY
24.51 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823974

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/18/20 12:48 pm 12/18/20 1:09 pm
5223 GCEU426141

Contract:MC-19210 PO:20BW

DTTX620322

Scale In GROSS WEIGHT 87,580 NET TONS 19.52
Scale Out TARE WEIGHT 48,540 NET WEIGHT 39,040

INBOUND
INVOICE

28.00 YD Tracking QTY
19.52 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823978

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/18/20 12:59 pm 12/18/20 1:19 pm
7327 GCEU425628

Contract:MC-19210 PO:20BW

DTTX27616

Scale In GROSS WEIGHT 83,740 NET TONS 18.96
Scale Out TARE WEIGHT 45,820 NET WEIGHT 37,920

INBOUND
INVOICE

28.00 YD Tracking QTY
18.96 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823979

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/18/20 1:06 pm 12/18/20 1:23 pm
1454 TOLU455160

Contract:MC-19210 PO:20BW

BNSF231003

Scale In GROSS WEIGHT 99,200 NET TONS 25.06
Scale Out TARE WEIGHT 49,080 NET WEIGHT 50,120

INBOUND
INVOICE

28.00 YD Tracking QTY
25.06 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4823983

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/18/20 1:44 pm 12/18/20 1:59 pm
0330 GCEU435556

Contract:MC-19210 PO:20BW

BNSF231061

Scale In GROSS WEIGHT 90,180 NET TONS 21.20
Scale Out TARE WEIGHT 47,780 NET WEIGHT 42,400

INBOUND
INVOICE

28.00 YD Tracking QTY
21.20 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824065

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/19/20 1:39 pm 12/19/20 1:58 pm
7331 GCEU430753

Contract:MC-19210 PO:20BW

BNSF231053

Scale In GROSS WEIGHT 89,520 NET TONS 21.67
Scale Out TARE WEIGHT 46,180 NET WEIGHT 43,340

INBOUND
INVOICE

28.00 YD Tracking QTY
21.67 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824085

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/19/20 2:29 pm 12/19/20 2:45 pm
7327 TOLU469384

Contract:MC-19210 PO:20BW

DTTX471695

Scale In GROSS WEIGHT 90,340 NET TONS 21.98
Scale Out TARE WEIGHT 46,380 NET WEIGHT 43,960

INBOUND
INVOICE

28.00 YD Tracking QTY
21.98 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824107

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/19/20 3:14 pm
7327

12/19/20 3:31 pm
TRLU903644

Contract:MC-19210 PO:20BW

BNSF231100

Scale In GROSS WEIGHT 92,920 NET TONS 23.12
Scale Out TARE WEIGHT 46,680 NET WEIGHT 46,240

INBOUND
INVOICE

28.00 YD Tracking QTY
23.12 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824110

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/19/20 3:25 pm
5222

12/19/20 3:48 pm
GCEU420265

Contract:MC-19210 PO:20BW

BNSF231146

Scale In GROSS WEIGHT 96,560 NET TONS 24.58
Scale Out TARE WEIGHT 47,400 NET WEIGHT 49,160

INBOUND
INVOICE

28.00 YD Tracking QTY
24.58 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824140

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/21/20 12:33 pm 12/21/20 12:54 pm
5222 GCEU430038

Contract:MC-19210 PO:20BW

BNSF230042

Scale In GROSS WEIGHT 84,140 NET TONS 18.25
Scale Out TARE WEIGHT 47,640 NET WEIGHT 36,500

INBOUND
INVOICE

28.00 YD Tracking QTY
18.25 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824143

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/21/20 1:27 pm 12/21/20 1:50 pm
5222 GCEU430852

Contract:MC-19210 PO:20BW

BNSF231039

Scale In GROSS WEIGHT 95,220 NET TONS 23.28
Scale Out TARE WEIGHT 48,660 NET WEIGHT 46,560

INBOUND
INVOICE

28.00 YD Tracking QTY
23.28 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824145

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/21/20 1:41 pm 12/21/20 2:05 pm
7327 GCEU425046

Contract:MC-19210 PO:20BW

BNSF230042

Scale In GROSS WEIGHT 89,860 NET TONS 22.01
Scale Out TARE WEIGHT 45,840 NET WEIGHT 44,020

INBOUND
INVOICE

28.00 YD Tracking QTY
22.01 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824144

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/21/20 1:45 pm 12/21/20 2:03 pm
7331 GCEU435252

Contract:MC-19210 PO:20BW

BNSF230042

Scale In GROSS WEIGHT 86,480 NET TONS 20.18
Scale Out TARE WEIGHT 46,120 NET WEIGHT 40,360

INBOUND
INVOICE

28.00 YD Tracking QTY
20.18 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824169

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/21/20 3:37 pm 12/21/20 3:57 pm
7327 TOLU456879

Contract:MC-19210 PO:20BW

DTTX620616

Scale In GROSS WEIGHT 99,780 NET TONS 25.87
Scale Out TARE WEIGHT 48,040 NET WEIGHT 51,740

INBOUND
INVOICE

28.00 YD Tracking QTY
25.87 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824248

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/22/20 8:19 am 12/22/20 8:36 am
7331 GCEU425315

Contract:MC-19210 PO:20BW

BNSF230091

Scale In GROSS WEIGHT 104,540 NET TONS 28.61
Scale Out TARE WEIGHT 47,320 NET WEIGHT 57,220

INBOUND
INVOICE

28.00 YD Tracking QTY
28.61 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824260

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/22/20 8:40 am 12/22/20 9:00 am
1565 TOLU458869

Contract:MC-19210 PO:20BW

BNSF230091

Scale In GROSS WEIGHT 91,920 NET TONS 22.79
Scale Out TARE WEIGHT 46,340 NET WEIGHT 45,580

INBOUND
INVOICE

28.00 YD Tracking QTY
22.79 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824292

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/22/20 9:37 am 12/22/20 9:54 am
5833 GCEU432127

Contract:MC-19210 PO:20BW

BNSF230120

Scale In GROSS WEIGHT 106,620 NET TONS 29.30
Scale Out TARE WEIGHT 48,020 NET WEIGHT 58,600

INBOUND
INVOICE

28.00 YD Tracking QTY
29.30 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824299

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/22/20 9:45 am 12/22/20 10:03 am
1454 GCEU426709

Contract:MC-19210 PO:20BW

BNSF230120

Scale In GROSS WEIGHT 98,320 NET TONS 25.49
Scale Out TARE WEIGHT 47,340 NET WEIGHT 50,980

INBOUND
INVOICE

28.00 YD Tracking QTY
25.49 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824310

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/22/20 10:59 am 12/22/20 11:21 am
0330 TPHU252450

Contract:MC-19210 PO:20BW

BNSF230021

Scale In GROSS WEIGHT 108,660 NET TONS 30.21
Scale Out TARE WEIGHT 48,240 NET WEIGHT 60,420

INBOUND
INVOICE

28.00 YD Tracking QTY
30.21 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824395

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/23/20 12:44 pm 12/23/20 1:03 pm
0330 TOLU453274

Contract:MC-19210 PO:20BW

BNSF231192

Scale In GROSS WEIGHT 104,840 NET TONS 27.38
Scale Out TARE WEIGHT 50,080 NET WEIGHT 54,760

INBOUND
INVOICE

28.00 YD Tracking QTY
27.38 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824645

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/29/20 8:22 am 12/29/20 8:40 am
7749 TOLU469107

Contract:MC-19210 PO:20BW

BNSF230091

Scale In GROSS WEIGHT 83,800 NET TONS 21.49
Scale Out TARE WEIGHT 40,820 NET WEIGHT 42,980

INBOUND
INVOICE

28.00 YD Tracking QTY
21.49 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824652

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/29/20 8:26 am 12/29/20 8:53 am
7748 TOLU459391

Contract:MC-19210 PO:20BW

DTTX27398

Scale In GROSS WEIGHT 91,660 NET TONS 22.32
Scale Out TARE WEIGHT 47,020 NET WEIGHT 44,640

INBOUND
INVOICE

28.00 YD Tracking QTY
22.32 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824655

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/29/20 8:41 am 12/29/20 9:01 am
5939 GCEU426104

Contract:MC-19210 PO:20BW

DTTX27265

Scale In GROSS WEIGHT 89,000 NET TONS 22.82
Scale Out TARE WEIGHT 43,360 NET WEIGHT 45,640

INBOUND
INVOICE

28.00 YD Tracking QTY
22.82 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824673

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/29/20 9:30 am 12/29/20 10:00 am
1454 GCEU431305

Contract:MC-19210 PO:20BW

DTTX456604

Scale In GROSS WEIGHT 91,900 NET TONS 22.59
Scale Out TARE WEIGHT 46,720 NET WEIGHT 45,180

INBOUND
INVOICE

28.00 YD Tracking QTY
22.59 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4824675

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

12/29/20 9:32 am 12/29/20 10:02 am
5223 EGTU420298

Contract:MC-19210 PO:20BW

BNSF231063

Scale In GROSS WEIGHT 91,060 NET TONS 21.70
Scale Out TARE WEIGHT 47,660 NET WEIGHT 43,400

INBOUND
INVOICE

28.00 YD Tracking QTY
21.70 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825422

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/9/21 6:59 am
5222

1/9/21 7:22 am
GCEU426509

Contract:MC-19210 PO:20BW ✓

DTTX623121

Scale In GROSS WEIGHT	94,480	NET TONS	23.46
Scale Out TARE WEIGHT	47,560	NET WEIGHT	46,920

INBOUND
INVOICE

28.00	YD	Tracking QTY	
23.46	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825476

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/11/21 7:05 am
7331

1/11/21 7:34 am
TRLU901950

Contract:MC-19210 PO:20BW ✓

DTTX427026

Scale In GROSS WEIGHT	110,640	NET TONS	31.23
Scale Out TARE WEIGHT	48,180	NET WEIGHT	62,460

INBOUND
INVOICE

28.00	YD	Tracking QTY	
31.23	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825480

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/11/21 7:45 am 1/11/21 8:06 am
7327 GCEU431514

Contract:MC-19210 PO:20BW

BNSF231137

Scale In GROSS WEIGHT 108,060 NET TONS 29.80
Scale Out TARE WEIGHT 48,460 NET WEIGHT 59,600

INBOUND
INVOICE

28.00 YD Tracking QTY
29.80 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825605

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/12/21 6:08 am 1/12/21 9:05 am
5227 TOLU456990

Contract:MC-19210 PO:20BW ✓

DTTX427877

Scale In GROSS WEIGHT 113,220 NET TONS 31.38
Scale Out TARE WEIGHT 50,460 NET WEIGHT 62,760

INBOUND
INVOICE

28.00 YD Tracking QTY
31.38 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825564

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/12/21 6:23 am 1/12/21 6:44 am
1565 TOLU424173

Contract:MC-19210 PO:20BW ✓

BNSF231029

Scale In GROSS WEIGHT 113,300 NET TONS 32.65
Scale Out TARE WEIGHT 48,000 NET WEIGHT 65,300

INBOUND
INVOICE

28.00 YD Tracking QTY
32.65 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825594

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/12/21 8:09 am 1/12/21 8:35 am
7327 GCEU435253

Contract:MC-19210 PO:20BW <

BNSF230080

Scale In GROSS WEIGHT 105,620 NET TONS 28.98
Scale Out TARE WEIGHT 47,660 NET WEIGHT 57,960

INBOUND
INVOICE

28.00 YD Tracking QTY
28.98 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825596

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/12/21 8:32 am 1/12/21 8:48 am
1565 GCEU432220

Contract:MC-19210 PO:20BW

BNSF230080

Scale In GROSS WEIGHT 106,180 NET TONS 28.68
Scale Out TARE WEIGHT 48,820 NET WEIGHT 57,360

INBOUND
INVOICE

28.00 YD Tracking QTY
28.68 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825604

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/12/21 8:41 am 1/12/21 9:04 am
5223 GCEU425116

Contract:MC-19210 PO:20BW

DTTX470193

Scale In GROSS WEIGHT 104,040 NET TONS 27.62
Scale Out TARE WEIGHT 48,800 NET WEIGHT 55,240

INBOUND
INVOICE

28.00 YD Tracking QTY
27.62 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825627

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/12/21 9:29 am
5222

1/12/21 9:54 am
GCEU435484

Contract:MC-19210 PO:20BW

BNSF230069

Scale In GROSS WEIGHT 104,620 NET TONS 27.75
Scale Out TARE WEIGHT 49,120 NET WEIGHT 55,500

INBOUND
INVOICE

28.00 YD Tracking QTY
27.75 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825635

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/12/21 9:42 am
7331

1/12/21 10:03 am
GCEU425935

Contract:MC-19210 PO:20BW

BNSF230120

Scale In GROSS WEIGHT 106,140 NET TONS 29.29
Scale Out TARE WEIGHT 47,560 NET WEIGHT 58,580

INBOUND
INVOICE

28.00 YD Tracking QTY
29.29 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825768

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/14/21 12:09 pm
5223

1/14/21 12:33 pm
TRLU902875

Contract:MC-19210 PO:20BW

BNSF230083

Scale In GROSS WEIGHT 94,300 NET TONS 20.99
Scale Out TARE WEIGHT 52,320 NET WEIGHT 41,980

INBOUND
INVOICE

28.00 YD Tracking QTY
20.99 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825771

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/14/21 12:22 pm
0331

1/14/21 12:38 pm
GCEU430376

Contract:MC-19210 PO:20BW

BNSF230083

Scale In GROSS WEIGHT 130,940 NET TONS 40.40
Scale Out TARE WEIGHT 50,140 NET WEIGHT 80,800

INBOUND
INVOICE

28.00 YD Tracking QTY
40.40 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825773

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/14/21 12:24 pm
5222

1/14/21 12:42 pm
TOLU468514

Contract:MC-19210 PO:20BW

BNSF231025

Scale In GROSS WEIGHT 100,880 NET TONS 25.53
Scale Out TARE WEIGHT 49,820 NET WEIGHT 51,060

INBOUND
INVOICE

28.00 YD Tracking QTY
25.53 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825790

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/14/21 1:12 pm
0331

1/14/21 1:30 pm
GCEU425627

Contract:MC-19210 PO:20BW

BNSF230137

Scale In GROSS WEIGHT 104,800 NET TONS 27.19
Scale Out TARE WEIGHT 50,420 NET WEIGHT 54,380

INBOUND
INVOICE

28.00 YD Tracking QTY
27.19 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825792

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/14/21 1:16 pm
5222

1/14/21 1:38 pm
GCEU425249

Contract:MC-19210 PO:20BW

BNSF230042

Scale In GROSS WEIGHT 120,100 NET TONS 35.64
Scale Out TARE WEIGHT 48,820 NET WEIGHT 71,280

INBOUND
INVOICE

28.00 YD Tracking QTY
35.64 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825818

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/14/21 2:10 pm
7331

1/14/21 2:28 pm
TOLU458045

Contract:MC-19210 PO:20BW

BNSF230137

Scale In GROSS WEIGHT 110,540 NET TONS 30.71
Scale Out TARE WEIGHT 49,120 NET WEIGHT 61,420

INBOUND
INVOICE

28.00 YD Tracking QTY
30.71 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825820

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/14/21 2:10 pm
5222

1/14/21 2:31 pm
TOLU466628

Contract:MC-19210 PO:20BW ✓

BNSF230042

Scale In GROSS WEIGHT 93,980 NET TONS 22.81
Scale Out TARE WEIGHT 48,360 NET WEIGHT 45,620

INBOUND
INVOICE

28.00 YD Tracking QTY
22.81 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825823

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/14/21 2:22 pm
0331

1/14/21 2:47 pm
SCXU297728

Contract:MC-19210 PO:20BW ✓

BNSF230042

Scale In GROSS WEIGHT 100,320 NET TONS 24.26
Scale Out TARE WEIGHT 51,800 NET WEIGHT 48,520

INBOUND
INVOICE

28.00 YD Tracking QTY
24.26 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825826

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/14/21 3:03 pm
5222

1/14/21 3:24 pm
RBSU200227

Contract:MC-19210 PO:20BW /

BNSF230137

Scale In GROSS WEIGHT	93,720	NET TONS	22.32
Scale Out TARE WEIGHT	49,080	NET WEIGHT	44,640

INBOUND
INVOICE

28.00	YD	Tracking QTY	
22.32	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825827

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/14/21 3:09 pm
7331

1/14/21 3:33 pm
GCEU425690

Contract:MC-19210 PO:20BW /

BNSF230098

Scale In GROSS WEIGHT	138,260	NET TONS	45.35
Scale Out TARE WEIGHT	47,560	NET WEIGHT	90,700

INBOUND
INVOICE

28.00	YD	Tracking QTY	
45.35	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825864

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/15/21 3:30 pm 1/15/21 3:54 pm
5223 GCEU425209

Contract:MC-19210 PO:20BW /

BNSF203011

Scale In GROSS WEIGHT 113,100 NET TONS 31.88
Scale Out TARE WEIGHT 49,340 NET WEIGHT 63,760

INBOUND
INVOICE

28.00 YD Tracking QTY
31.88 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825867

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/15/21 4:01 pm 1/15/21 4:26 pm
7327 EGTU420475

Contract:MC-19210 PO:20BW /

DTTX620382

Scale In GROSS WEIGHT 99,220 NET TONS 26.25
Scale Out TARE WEIGHT 46,720 NET WEIGHT 52,500

INBOUND
INVOICE

28.00 YD Tracking QTY
26.25 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4827111

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

2/1/21 1:19 pm
7331

2/1/21 1:38 pm
TOLU425177

Contract:MC-19210 PO:20BW

DTTX54598

Scale In GROSS WEIGHT	104,420	NET TONS	29.06
Scale Out TARE WEIGHT	46,300	NET WEIGHT	58,120

INBOUND
INVOICE

28.00 YD Tracking QTY
29.06 tn Cont Soil

Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825868

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 6:00 am
7331

1/16/21 6:26 am
TOLU456716

Contract:MC-19210 PO:20BW

BNSF231050

Scale In GROSS WEIGHT 104,800 NET TONS 27.86
Scale Out TARE WEIGHT 49,080 NET WEIGHT 55,720

INBOUND
INVOICE

28.00 YD Tracking QTY
27.86 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825872

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 6:52 am
1565

1/16/21 7:12 am
TOLU469915

Contract:MC-19210 PO:20BW

DTTX623121

Scale In GROSS WEIGHT 108,220 NET TONS 29.82
Scale Out TARE WEIGHT 48,580 NET WEIGHT 59,640

INBOUND
INVOICE

28.00 YD Tracking QTY
29.82 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825875

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 7:00 am
7327

1/16/21 7:19 am
GCEU431745

Contract:MC-19210 PO:20BW

DTTX646588

Scale In GROSS WEIGHT 107,320 NET TONS 29.73
Scale Out TARE WEIGHT 47,860 NET WEIGHT 59,460

INBOUND
INVOICE

28.00 YD Tracking QTY
29.73 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825876

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 7:02 am
5222

1/16/21 7:23 am
TPHU252450

Contract:MC-19210 PO:20BW

BNSF231117

Scale In GROSS WEIGHT 103,780 NET TONS 27.27
Scale Out TARE WEIGHT 49,240 NET WEIGHT 54,540

INBOUND
INVOICE

28.00 YD Tracking QTY
27.27 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825879

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 7:43 am
1565

1/16/21 8:01 am
GCEU426051

Contract:MC-19210 PO:20BW

DTTX27265

Scale In GROSS WEIGHT	104,540	NET TONS	27.97
Scale Out TARE WEIGHT	48,600	NET WEIGHT	55,940

INBOUND
INVOICE

28.00	YD	Tracking QTY	
27.97	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825881

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 7:48 am
7331

1/16/21 8:06 am
GCEU435563

Contract:MC-19210 PO:20BW

DTTX27265

Scale In GROSS WEIGHT	101,060	NET TONS	26.55
Scale Out TARE WEIGHT	47,960	NET WEIGHT	53,100

INBOUND
INVOICE

28.00	YD	Tracking QTY	
26.55	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825884

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 8:02 am
5222

1/16/21 8:20 am
TOLU458521

Contract:MC-19210 PO:20BW

BNSF230091

Scale In GROSS WEIGHT 106,420 NET TONS 29.21
Scale Out TARE WEIGHT 48,000 NET WEIGHT 58,420

INBOUND
INVOICE

28.00 YD Tracking QTY
29.21 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825899

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 8:34 am
5833

1/16/21 8:51 am
TOLU456844

Contract:MC-19210 PO:20BW

BNSF230091

Scale In GROSS WEIGHT 113,020 NET TONS 32.12
Scale Out TARE WEIGHT 48,780 NET WEIGHT 64,240

INBOUND
INVOICE

28.00 YD Tracking QTY
32.12 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825925

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 9:12 am
5223

1/16/21 9:37 am
TOLU466742

Contract:MC-19210 PO:20BW

BNSF231061

Scale In GROSS WEIGHT 111,940 NET TONS 30.57
Scale Out TARE WEIGHT 50,800 NET WEIGHT 61,140

INBOUND
INVOICE

28.00 YD Tracking QTY
30.57 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825936

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 9:34 am
5833

1/16/21 9:56 am
TRLU901605

Contract:MC-19210 PO:20BW

BNSF231061

Scale In GROSS WEIGHT 107,260 NET TONS 29.61
Scale Out TARE WEIGHT 48,040 NET WEIGHT 59,220

INBOUND
INVOICE

28.00 YD Tracking QTY
29.61 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825940

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 9:44 am
0331

1/16/21 10:03 am
TOLU456017

Contract:MC-19210 PO:20BW

BNSF230021

Scale In GROSS WEIGHT 108,900 NET TONS 30.16
Scale Out TARE WEIGHT 48,580 NET WEIGHT 60,320

INBOUND
INVOICE

28.00 YD Tracking QTY
30.16 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825944

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 11:29 am
5222

1/16/21 11:51 am
GCEU431232

Contract:MC-19210 PO:20BW

BNSF230021

Scale In GROSS WEIGHT 110,520 NET TONS 30.92
Scale Out TARE WEIGHT 48,680 NET WEIGHT 61,840

INBOUND
INVOICE

28.00 YD Tracking QTY
30.92 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825948

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 11:52 am
7327

1/16/21 12:15 pm
TOLU468701

Contract:MC-19210 PO:20BW

BNSF231179

Scale In GROSS WEIGHT 109,400 NET TONS 31.49
Scale Out TARE WEIGHT 46,420 NET WEIGHT 62,980

INBOUND
INVOICE

28.00 YD Tracking QTY
31.49 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825949

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 11:53 am
7331

1/16/21 12:16 pm
TOLU459032

Contract:MC-19210 PO:20BW

BNSF231179

Scale In GROSS WEIGHT 111,360 NET TONS 31.54
Scale Out TARE WEIGHT 48,280 NET WEIGHT 63,080

INBOUND
INVOICE

28.00 YD Tracking QTY
31.54 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825950

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 12:10 pm
5223

1/16/21 12:33 pm
TRLU901950

Contract:MC-19210 PO:20BW

DTTX427026

Scale In GROSS WEIGHT	112,680	NET TONS	32.01
Scale Out TARE WEIGHT	48,660	NET WEIGHT	64,020

INBOUND
INVOICE

28.00	YD	Tracking QTY	
32.01	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825951

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 12:16 pm
1565

1/16/21 12:35 pm
GCEU431514

Contract:MC-19210 PO:20BW

DTTX427026

Scale In GROSS WEIGHT	111,600	NET TONS	31.63
Scale Out TARE WEIGHT	48,340	NET WEIGHT	63,260

INBOUND
INVOICE

28.00	YD	Tracking QTY	
31.63	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825952

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 3:06 pm
5223

1/16/21 3:34 pm
TOLU468547

Contract:MC-19210 PO:20BW

BNSF231137

Scale In GROSS WEIGHT 109,140 NET TONS 29.65
Scale Out TARE WEIGHT 49,840 NET WEIGHT 59,300

INBOUND
INVOICE

28.00 YD Tracking QTY
29.65 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825953

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 3:16 pm
5226

1/16/21 3:37 pm
GCEU425014

Contract:MC-19210 PO:20BW

BNSF231137

Scale In GROSS WEIGHT 100,560 NET TONS 26.36
Scale Out TARE WEIGHT 47,840 NET WEIGHT 52,720

INBOUND
INVOICE

28.00 YD Tracking QTY
26.36 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825954

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 3:22 pm
0331

1/16/21 3:41 pm
TRLU901242

Contract:MC-19210 PO:20BW

DTTX471650

Scale In GROSS WEIGHT 108,680 NET TONS 30.07
Scale Out TARE WEIGHT 48,540 NET WEIGHT 60,140

INBOUND
INVOICE

28.00 YD Tracking QTY
30.07 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825956

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 3:24 pm
1565

1/16/21 3:45 pm
TOLU459910

Contract:MC-19210 PO:20BW

DTTX620252

Scale In GROSS WEIGHT 106,940 NET TONS 29.16
Scale Out TARE WEIGHT 48,620 NET WEIGHT 58,320

INBOUND
INVOICE

28.00 YD Tracking QTY
29.16 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825958

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/16/21 3:36 pm
7327

1/16/21 3:57 pm
GCEU435291

Contract:MC-19210 PO:20BW

DTTX620252

Scale In GROSS WEIGHT	95,440	NET TONS	24.13
Scale Out TARE WEIGHT	47,180	NET WEIGHT	48,260

INBOUND
INVOICE

28.00	YD	Tracking QTY	
24.13	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825960

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 6:27 am
5223

1/18/21 6:49 am
GCEU426563

Contract:MC-19210 PO:20BW

BNSF230117

Scale In GROSS WEIGHT	102,440	NET TONS	26.72
Scale Out TARE WEIGHT	49,000	NET WEIGHT	53,440

INBOUND
INVOICE

28.00	YD	Tracking QTY	
26.72	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4825966

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 7:30 am
5222

1/18/21 7:50 am
TOLU456155

Contract:MC-19210 PO:20BW

BNSF231163

Scale In GROSS WEIGHT 94,680 NET TONS 23.03
Scale Out TARE WEIGHT 48,620 NET WEIGHT 46,060

INBOUND
INVOICE

28.00 YD Tracking QTY
23.03 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826016

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 10:56 am
7331

1/18/21 11:13 am
GCEU432160

Contract:MC-19210 PO:20BW

BNSF230027

Scale In GROSS WEIGHT 105,960 NET TONS 29.58
Scale Out TARE WEIGHT 46,800 NET WEIGHT 59,160

INBOUND
INVOICE

28.00 YD Tracking QTY
29.58 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826032

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 11:24 am
7327

1/18/21 11:49 am
TRLU902611

Contract:MC-19210 PO:20BW

BNSF230027

Scale In GROSS WEIGHT	103,540	NET TONS	27.61
Scale Out TARE WEIGHT	48,320	NET WEIGHT	55,220

INBOUND
INVOICE

28.00	YD	Tracking QTY	
27.61	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826031

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 11:27 am
5222

1/18/21 11:46 am
TRLU900867

Contract:MC-19210 PO:20BW

BNSF230027

Scale In GROSS WEIGHT	96,780	NET TONS	24.70
Scale Out TARE WEIGHT	47,380	NET WEIGHT	49,400

INBOUND
INVOICE

28.00	YD	Tracking QTY	
24.70	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826033

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 11:37 am
0331

1/18/21 11:55 am
TOLU458645

Contract:MC-19210 PO:20BW

BNSF231053

Scale In GROSS WEIGHT 103,440 NET TONS 27.20
Scale Out TARE WEIGHT 49,040 NET WEIGHT 54,400

INBOUND
INVOICE

28.00 YD Tracking QTY
27.20 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826036

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 12:19 pm
5223

1/18/21 12:39 pm
TRLU901527

Contract:MC-19210 PO:20BW

BNSF230137

Scale In GROSS WEIGHT 101,200 NET TONS 26.78
Scale Out TARE WEIGHT 47,640 NET WEIGHT 53,560

INBOUND
INVOICE

28.00 YD Tracking QTY
26.78 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826035

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 12:20 pm
5222

1/18/21 12:39 pm
GCEU430275

Contract:MC-19210 PO:20BW

BNSF230137

Scale In GROSS WEIGHT	105,520	NET TONS	28.69
Scale Out TARE WEIGHT	48,140	NET WEIGHT	57,380

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.69	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826037

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 12:26 pm
0331

1/18/21 12:46 pm
GCEU435177

Contract:MC-19210 PO:20BW

BNSF230137

Scale In GROSS WEIGHT	103,580	NET TONS	27.83
Scale Out TARE WEIGHT	47,920	NET WEIGHT	55,660

INBOUND
INVOICE

28.00	YD	Tracking QTY	
27.83	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826045

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 12:38 pm
7327

1/18/21 1:02 pm
TRLU903644

Contract:MC-19210 PO:20BW

BNSF230137

Scale In GROSS WEIGHT 104,560 NET TONS 28.20
Scale Out TARE WEIGHT 48,160 NET WEIGHT 56,400

INBOUND
INVOICE

28.00 YD Tracking QTY
28.20 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826062

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 1:10 pm
5223

1/18/21 1:34 pm
GCEU435089

Contract:MC-19210 PO:20BW

BNSF230083

Scale In GROSS WEIGHT 106,540 NET TONS 28.19
Scale Out TARE WEIGHT 50,160 NET WEIGHT 56,380

INBOUND
INVOICE

28.00 YD Tracking QTY
28.19 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826081

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 1:34 pm
7327

1/18/21 2:04 pm
RBSU200234

Contract:MC-19210 PO:20BW

BNSF230083

Scale In GROSS WEIGHT 99,140 NET TONS 25.42
Scale Out TARE WEIGHT 48,300 NET WEIGHT 50,840

INBOUND
INVOICE

28.00 YD Tracking QTY
25.42 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826094

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/18/21 2:31 pm
5223

1/18/21 2:51 pm
RBSU200326

Contract:MC-19210 PO:20BW

BNSF231121

Scale In GROSS WEIGHT 100,920 NET TONS 25.90
Scale Out TARE WEIGHT 49,120 NET WEIGHT 51,800

INBOUND
INVOICE

28.00 YD Tracking QTY
25.90 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826146

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/19/21 11:40 am
5223

1/19/21 12:05 pm
GCEU426194

Contract:MC-19210 PO:20BW

DTTX427026

Scale In GROSS WEIGHT 106,840 NET TONS 28.72
Scale Out TARE WEIGHT 49,400 NET WEIGHT 57,440

INBOUND
INVOICE

28.00 YD Tracking QTY
28.72 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826145

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/19/21 11:48 am
7327

1/19/21 12:04 pm
TOLU466601

Contract:MC-19210 PO:20BW

DTTX427026

Scale In GROSS WEIGHT 98,500 NET TONS 25.81
Scale Out TARE WEIGHT 46,880 NET WEIGHT 51,620

INBOUND
INVOICE

28.00 YD Tracking QTY
25.81 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826270

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/20/21 10:59 am
0330

1/20/21 11:27 am
GCEU425951

Contract:MC-19210 PO:20BW

DTTX620616

Scale In GROSS WEIGHT 101,460 NET TONS 27.08
Scale Out TARE WEIGHT 47,300 NET WEIGHT 54,160

INBOUND
INVOICE

28.00 YD Tracking QTY
27.08 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826277

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/20/21 11:12 am
1565

1/20/21 11:33 am
GCEU426051

Contract:MC-19210 PO:20BW

BNSF230045

Scale In GROSS WEIGHT 106,420 NET TONS 29.17
Scale Out TARE WEIGHT 48,080 NET WEIGHT 58,340

INBOUND
INVOICE

28.00 YD Tracking QTY
29.17 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826280

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/20/21 11:24 am
7331

1/20/21 11:45 am
GCEU430799

Contract:MC-19210 PO:20BW

BNSF231119

Scale In GROSS WEIGHT 110,180 NET TONS 31.16
Scale Out TARE WEIGHT 47,860 NET WEIGHT 62,320

INBOUND
INVOICE

28.00 YD Tracking QTY
31.16 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826283

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/20/21 12:01 pm
0331

1/20/21 12:20 pm
GCEU435067

Contract:MC-19210 PO:20BW

BNSF231119

Scale In GROSS WEIGHT 108,360 NET TONS 29.56
Scale Out TARE WEIGHT 49,240 NET WEIGHT 59,120

INBOUND
INVOICE

28.00 YD Tracking QTY
29.56 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826295

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/20/21 12:17 pm
5833

1/20/21 12:35 pm
RBSU200359

Contract:MC-19210 PO:20BW

BNSF231039

Scale In GROSS WEIGHT 93,780 NET TONS 22.55
Scale Out TARE WEIGHT 48,680 NET WEIGHT 45,100

INBOUND
INVOICE

28.00 YD Tracking QTY
22.55 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826328

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/20/21 1:03 pm
0330

1/20/21 1:24 pm
RBSU200412

Contract:MC-19210 PO:20BW

BNSF230102

Scale In GROSS WEIGHT 101,940 NET TONS 26.49
Scale Out TARE WEIGHT 48,960 NET WEIGHT 52,980

INBOUND
INVOICE

28.00 YD Tracking QTY
26.49 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826329

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/20/21 1:05 pm
5833

1/20/21 1:25 pm
RBSU200410

Contract:MC-19210 PO:20BW

BNSF230102

Scale In GROSS WEIGHT 117,700 NET TONS 34.64
Scale Out TARE WEIGHT 48,420 NET WEIGHT 69,280

INBOUND
INVOICE

28.00 YD Tracking QTY
34.64 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826332

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/20/21 1:09 pm
7331

1/20/21 1:32 pm
RBSU200166

Contract:MC-19210 PO:20BW

BNSF230102

Scale In GROSS WEIGHT 107,720 NET TONS 29.93
Scale Out TARE WEIGHT 47,860 NET WEIGHT 59,860

INBOUND
INVOICE

28.00 YD Tracking QTY
29.93 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826347

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/20/21 1:38 pm
1565

1/20/21 1:59 pm
RBSU200379

Contract:MC-19210 PO:20BW

DTTX620758

Scale In GROSS WEIGHT 110,480 NET TONS 31.31
Scale Out TARE WEIGHT 47,860 NET WEIGHT 62,620

INBOUND
INVOICE

28.00 YD Tracking QTY
31.31 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826385

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/22/21 7:37 am
1565

1/22/21 7:57 am
GCEU432127

Contract:MC-19210 PO:20BW

BNSF231146

Scale In GROSS WEIGHT 107,700 NET TONS 29.58
Scale Out TARE WEIGHT 48,540 NET WEIGHT 59,160

INBOUND
INVOICE

28.00 YD Tracking QTY
29.58 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826389

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/22/21 7:45 am
5222

1/22/21 8:03 am
GCEU435549

Contract:MC-19210 PO:20BW

DTTX27616

Scale In GROSS WEIGHT 99,360 NET TONS 25.40
Scale Out TARE WEIGHT 48,560 NET WEIGHT 50,800

INBOUND
INVOICE

28.00 YD Tracking QTY
25.40 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826403

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/22/21 8:29 am
1565

1/22/21 8:49 am
GCEU435390

Contract:MC-19210 PO:20BW

BNSF230027

Scale In GROSS WEIGHT 106,660 NET TONS 28.57
Scale Out TARE WEIGHT 49,520 NET WEIGHT 57,140

INBOUND
INVOICE

28.00 YD Tracking QTY
28.57 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826408

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/22/21 8:37 am 1/22/21 8:52 am
1454 TOLU460463

Contract:MC-19210 PO:20BW

BNSF231053

Scale In GROSS WEIGHT 109,640 NET TONS 30.52
Scale Out TARE WEIGHT 48,600 NET WEIGHT 61,040

INBOUND
INVOICE

28.00 YD Tracking QTY
30.52 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826430

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/22/21 11:04 am 1/22/21 11:22 am
5833 GCEU435399

Contract:MC-19210 PO:20BW

BNSF230081

Scale In GROSS WEIGHT 111,040 NET TONS 29.09
Scale Out TARE WEIGHT 52,860 NET WEIGHT 58,180

INBOUND
INVOICE

28.00 YD Tracking QTY
29.09 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826432

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/22/21 11:11 am
0330

1/22/21 11:29 am
GCEU425933

Contract:MC-19210 PO:20BW

BNSF230069

Scale In GROSS WEIGHT	107,540	NET TONS	28.69
Scale Out TARE WEIGHT	50,160	NET WEIGHT	57,380

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.69	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826434

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/22/21 11:19 am
5227

1/22/21 11:37 am
TOLU456155

Contract:MC-19210 PO:20BW

DTTX54598

Scale In GROSS WEIGHT	108,000	NET TONS	29.70
Scale Out TARE WEIGHT	48,600	NET WEIGHT	59,400

INBOUND
INVOICE

28.00	YD	Tracking QTY	
29.70	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826441

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/22/21 11:27 am
5223

1/22/21 11:48 am
GCEU426509

Contract:MC-19210 PO:20BW

BNSF231163

Scale In GROSS WEIGHT	103,460	NET TONS	27.44
Scale Out TARE WEIGHT	48,580	NET WEIGHT	54,880

INBOUND
INVOICE

28.00	YD	Tracking QTY	
27.44	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826458

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 6:04 am
0331

1/23/21 6:21 am
GCEU435123

Contract:MC-19210 PO:20BW

BNSF231121

Scale In GROSS WEIGHT	108,500	NET TONS	30.26
Scale Out TARE WEIGHT	47,980	NET WEIGHT	60,520

INBOUND
INVOICE

28.00	YD	Tracking QTY	
30.26	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826466

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 6:24 am
5833

1/23/21 6:45 am
GCEU430450

Contract:MC-19210 PO:20BW

BNSF231121

Scale In GROSS WEIGHT	111,260	NET TONS	29.52
Scale Out TARE WEIGHT	52,220	NET WEIGHT	59,040

INBOUND
INVOICE

28.00	YD	Tracking QTY	
29.52	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826468

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 6:24 am
0330

1/23/21 6:48 am
TOLU424168

Contract:MC-19210 PO:20BW

BNSF231121

Scale In GROSS WEIGHT	106,540	NET TONS	29.51
Scale Out TARE WEIGHT	47,520	NET WEIGHT	59,020

INBOUND
INVOICE

28.00	YD	Tracking QTY	
29.51	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826473

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 6:31 am
7331

1/23/21 6:55 am
GCEU425375

Contract:MC-19210 PO:20BW

BNSF231121

Scale In GROSS WEIGHT 107,640 NET TONS 29.10
Scale Out TARE WEIGHT 49,440 NET WEIGHT 58,200

INBOUND
INVOICE

28.00 YD Tracking QTY
29.10 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826478

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 6:37 am
1454

1/23/21 6:59 am
GCEU435114

Contract:MC-19210 PO:20BW

BNSF230137

Scale In GROSS WEIGHT 106,040 NET TONS 27.91
Scale Out TARE WEIGHT 50,220 NET WEIGHT 55,820

INBOUND
INVOICE

28.00 YD Tracking QTY
27.91 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826480

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 6:40 am 1/23/21 7:05 am
5222 TOLU458196

Contract:MC-19210 PO:20BW

BNSF230137

Scale In GROSS WEIGHT 105,280 NET TONS 27.64
Scale Out TARE WEIGHT 50,000 NET WEIGHT 55,280

INBOUND
INVOICE

28.00 YD Tracking QTY
27.64 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826482

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 6:54 am 1/23/21 7:11 am
5227 RBSU200208

Contract:MC-19210 PO:20BW

BNSF231003

Scale In GROSS WEIGHT 106,440 NET TONS 28.53
Scale Out TARE WEIGHT 49,380 NET WEIGHT 57,060

INBOUND
INVOICE

28.00 YD Tracking QTY
28.53 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826504

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 7:22 am 1/23/21 7:47 am
5833 RBSU200281

Contract:MC-19210 PO:20BW

BNSF231003

Scale In GROSS WEIGHT	105,180	NET TONS	27.73	INBOUND
Scale Out TARE WEIGHT	49,720	NET WEIGHT	55,460	INVOICE

28.00 YD Tracking QTY
27.73 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826499

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 7:23 am 1/23/21 7:43 am
0330 GCEU430734

Contract:MC-19210 PO:20BW

BNSF231003

Scale In GROSS WEIGHT	104,180	NET TONS	28.67	INBOUND
Scale Out TARE WEIGHT	46,840	NET WEIGHT	57,340	INVOICE

28.00 YD Tracking QTY
28.67 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826511

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 7:30 am 1/23/21 7:56 am
7331 TRLU900867

Contract:MC-19210 PO:20BW

DTTX623121

Scale In GROSS WEIGHT	103,900	NET TONS	28.58	INBOUND
Scale Out TARE WEIGHT	46,740	NET WEIGHT	57,160	INVOICE

28.00	YD	Tracking QTY		
28.58	tn	Cont Soil	Origin:Everett 100%	

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826507

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 7:31 am 1/23/21 7:51 am
1454 TRLU902611

Contract:MC-19210 PO:20BW

DTTX56095

Scale In GROSS WEIGHT	103,540	NET TONS	27.25	INBOUND
Scale Out TARE WEIGHT	49,040	NET WEIGHT	54,500	INVOICE

28.00	YD	Tracking QTY		
27.25	tn	Cont Soil	Origin:Everett 100%	

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826515

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 7:37 am
5222

1/23/21 8:01 am
GCEU440078

Contract:MC-19210 PO:20BW

DTTX56095

Scale In GROSS WEIGHT	98,840	NET TONS	24.63
Scale Out TARE WEIGHT	49,580	NET WEIGHT	49,260

INBOUND
INVOICE

28.00	YD	Tracking QTY	
24.63	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826523

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/23/21 7:58 am
0331

1/23/21 8:15 am
GCEU435045

Contract:MC-19210 PO:20BW

DTTX27265

Scale In GROSS WEIGHT	110,280	NET TONS	30.45
Scale Out TARE WEIGHT	49,380	NET WEIGHT	60,900

INBOUND
INVOICE

28.00	YD	Tracking QTY	
30.45	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826571

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/25/21 6:21 am
5227

1/25/21 6:41 am
GCEU431453

Contract:MC-19210 PO:20BW

BNSF231119

Scale In GROSS WEIGHT 102,980 NET TONS 27.82
Scale Out TARE WEIGHT 47,340 NET WEIGHT 55,640

INBOUND
INVOICE

28.00 YD Tracking QTY
27.82 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826590

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/25/21 6:52 am
1454

1/25/21 7:15 am
GCEU435407

Contract:MC-19210 PO:20BW

BNSF231119

Scale In GROSS WEIGHT 104,740 NET TONS 28.14
Scale Out TARE WEIGHT 48,460 NET WEIGHT 56,280

INBOUND
INVOICE

28.00 YD Tracking QTY
28.14 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826608

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/25/21 7:28 am
5223

1/25/21 7:54 am
GCEU432170

Contract:MC-19210 PO:20BW

BNSF230021

Scale In GROSS WEIGHT 107,600 NET TONS 28.76
Scale Out TARE WEIGHT 50,080 NET WEIGHT 57,520

INBOUND
INVOICE

28.00 YD Tracking QTY
28.76 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826617

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/25/21 7:45 am
1454

1/25/21 8:04 am
GCEU426563

Contract:MC-19210 PO:20BW

BNSF230021

Scale In GROSS WEIGHT 100,880 NET TONS 26.24
Scale Out TARE WEIGHT 48,400 NET WEIGHT 52,480

INBOUND
INVOICE

28.00 YD Tracking QTY
26.24 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826623

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/25/21 8:00 am
5222

1/25/21 8:28 am
GCEU432073

Contract:MC-19210 PO:20BW

BNSF230021

Scale In GROSS WEIGHT 103,200 NET TONS 27.73
Scale Out TARE WEIGHT 47,740 NET WEIGHT 55,460

INBOUND
INVOICE

28.00 YD Tracking QTY
27.73 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826624

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/26/21 6:35 am
5224

1/26/21 6:56 am
TOLU456716

Contract:MC-19210 PO:20BW

BNSF231160

Scale In GROSS WEIGHT 101,720 NET TONS 28.67
Scale Out TARE WEIGHT 44,380 NET WEIGHT 57,340

INBOUND
INVOICE

28.00 YD Tracking QTY
28.67 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826625

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/26/21 6:36 am
1563

1/26/21 7:01 am
TOLU457097

Contract:MC-19210 PO:20BW

BNSF231160

Scale In GROSS WEIGHT 100,140 NET TONS 29.55
Scale Out TARE WEIGHT 41,040 NET WEIGHT 59,100

INBOUND
INVOICE

28.00 YD Tracking QTY
29.55 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826627

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/26/21 6:40 am
2786

1/26/21 7:11 am
GCEU435543

Contract:MC-19210 PO:20BW

BNSF230102

Scale In GROSS WEIGHT 96,800 NET TONS 28.21
Scale Out TARE WEIGHT 40,380 NET WEIGHT 56,420

INBOUND
INVOICE

28.00 YD Tracking QTY
28.21 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826629

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/26/21 6:51 am
2785

1/26/21 7:23 am
GCEU430376

Contract:MC-19210 PO:20BW

BNSF230102

Scale In GROSS WEIGHT 101,280 NET TONS 30.32
Scale Out TARE WEIGHT 40,640 NET WEIGHT 60,640

INBOUND
INVOICE

28.00 YD Tracking QTY
30.32 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826645

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/26/21 8:08 am
5939

1/26/21 8:53 am
GCEU426104

Contract:MC-19210 PO:20BW

BNSF230045

Scale In GROSS WEIGHT 107,340 NET TONS 31.67
Scale Out TARE WEIGHT 44,000 NET WEIGHT 63,340

INBOUND
INVOICE

28.00 YD Tracking QTY
31.67 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826644

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/26/21 8:20 am

1/26/21 8:42 am

5224

GCEU426194

Contract:MC-19210 PO:20BW

BNSF230045

Scale In GROSS WEIGHT 90,300 NET TONS 23.75
Scale Out TARE WEIGHT 42,800 NET WEIGHT 47,500

INBOUND
INVOICE

28.00 YD Tracking QTY
23.75 tn Cont Soil

Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826647

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/26/21 8:32 am

1/26/21 8:54 am

2786

TRLU900382

Contract:MC-19210 PO:20BW

BNSF203011

Scale In GROSS WEIGHT 99,680 NET TONS 29.14
Scale Out TARE WEIGHT 41,400 NET WEIGHT 58,280

INBOUND
INVOICE

28.00 YD Tracking QTY
29.14 tn Cont Soil

Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826656

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/26/21 8:45 am
5831

1/26/21 9:23 am
RBSU200307

Contract:MC-19210 PO:20BW

BNSF203011

Scale In GROSS WEIGHT 94,540 NET TONS 26.62
Scale Out TARE WEIGHT 41,300 NET WEIGHT 53,240

INBOUND
INVOICE

28.00 YD Tracking QTY
26.62 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826791

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/27/21 12:23 pm
5223

1/27/21 12:48 pm
GCEU431526

Contract:MC-19210 PO:20BW

DTTX27398

Scale In GROSS WEIGHT 106,800 NET TONS 29.01
Scale Out TARE WEIGHT 48,780 NET WEIGHT 58,020

INBOUND
INVOICE

28.00 YD Tracking QTY
29.01 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826920

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/29/21 12:03 pm
1454

1/29/21 12:37 pm
TOLU468788

Contract:MC-19210 PO:20BW

BNSF231163

Scale In GROSS WEIGHT 109,180 NET TONS 30.13
Scale Out TARE WEIGHT 48,920 NET WEIGHT 60,260

INBOUND
INVOICE

28.00 YD Tracking QTY
30.13 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4826945

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/29/21 1:11 pm
1454

1/29/21 1:38 pm
GCEU426947

Contract:MC-19210 PO:20BW

BNSF230069

Scale In GROSS WEIGHT 106,300 NET TONS 29.15
Scale Out TARE WEIGHT 48,000 NET WEIGHT 58,300

INBOUND
INVOICE

28.00 YD Tracking QTY
29.15 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4827000

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/29/21 3:22 pm
5223

1/29/21 3:43 pm
TOLU454022

Contract:MC-19210 PO:20BW

DTTX56095

Scale In GROSS WEIGHT 104,680 NET TONS 27.82
Scale Out TARE WEIGHT 49,040 NET WEIGHT 55,640

INBOUND
INVOICE

28.00 YD Tracking QTY
27.82 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4827003

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

1/29/21 3:33 pm
1565

1/29/21 3:50 pm
GCEU435150

Contract:MC-19210 PO:20BW

DTTX646588

Scale In GROSS WEIGHT 104,480 NET TONS 28.47
Scale Out TARE WEIGHT 47,540 NET WEIGHT 56,940

INBOUND
INVOICE

28.00 YD Tracking QTY
28.47 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Opportunistic Debris Removal Field Forms



DAILY CONSTRUCTION REPORT

Report No: 09

Date: 12/14/2020

Project Name: Bay Wood Interim Action Shoreline Restoration & Cleanup	Weather	Morning cloudy	Afternoon	Evening
Port Project Mgr: Erik Gerking	Temperature	45		
Resident Engineer: Elise Gronewald	Humidity	Dry	Mod.	Humid
Contractor: Strider Construction	Sky Condition	Some sprinkles		

Name of Contractor/Consultant	Employees on Site	Remark
Strider Construction	1 Super intendent (kevin) Ryan onsite 2 Operator 3 Laborer	

Equipment On Site:

2xexcavator, 1 front end loader, 1 small excavator, 1 forklift, 4 conex, generator, light plants, 1 large haul truck

Construction Activities:

- Crew worked form 4:30 PM to 3 AM~
- Crew started work along the western shoreline around 5:30 PM. They began staking the grading limits (white) and the ODR limits (pink)
- Talked with Ryan and Erik about using 6-inches of sand/gravel mix along western shoreline slope IF contractor begins laying back the slope.
- Contractor decided to remove demo structures 1 to 3 first.
- They were able to remove the two log rams (demo 1 and 2) fairly easily and quickly.
- Demo 3 was a little more difficult, the crew tried pulling the logs, using cables to pull on the piling. They did not budge, crew tried excavating around piling and pulling out. They were able to break the piling between 4 and 6 ft below grade and pull the piles out. The crew backfilled with sand/gravel.
- Crew worked on removing ODR – mostly quarry spalls along western shoreline. They excavated these spalls about 6-inches
- Crew placed sand/gravel along ODR area and patted down to secure
- Beneath structure 1, found woody debris in area 14-ft by 23' crew dug down 2ft and removed wood waste. They backfilled with sand/gravel (began around 8:30 PM)
- Crew then began demolition of structure 5 – were able to remove large woody debris and structure. Could see woody band of material in slope. Crew moved debris with woody debris to stockpile as demolition contaminated.
- Crew placed sang/gravel in thin layer along exposed slope prior to tide returning. (completed at 2:00 AM)
- Crew spent remaining time cleaning up for tomorrow.

Resident Engineer: Elise Gronewald

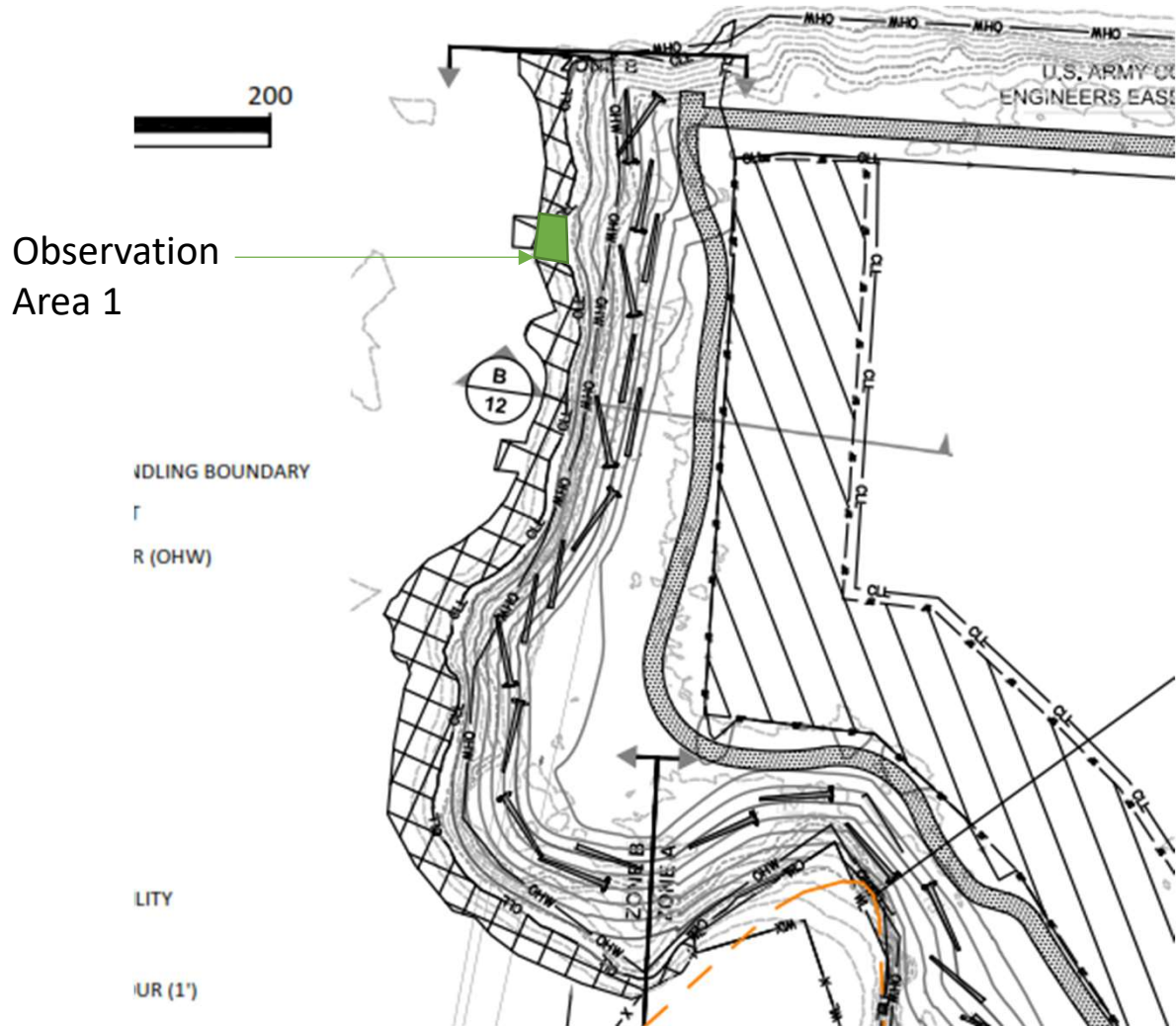
Signature: _____

OPPORTUNISTIC DEBRIS REMOVAL FIELD FORM

Job Name: Bay Wood Interim Action - Shoreline restoration & Cleanup	In-Water Work Activity: Opportunistic Debris Removal (in the dry)	Recorded By: Elise Gronewald, Port of Everett
Project No.: PD-BW-2020-05	Weather Conditions: 45 deg, cloudy	12/14/2020

Work Area	Tide Chart Elevation/ Time of Excavation	Surface Below Opportunistic Debris			Additional Excavation of 1 to 2-ft if woodwaste exceeds between 20% and 50%, if conditions allow
		Olfactory Field Screening	Oil/Petroleum Sheen	Wood Waste (Description, %)	Description of Conditions and Excavation
Observation 1 (see field map)	(2.5) ft / 8:30PM	Decomposing wood odor	None	Fine woody debris ~40%	Removed an additional 2-ft Approximate size: 14 x 23-ft ~30 CY of material
Observation 2 (see field map)					
Observation 3 (see field map)					
<u>Notes.</u> * The contractor will conduct additional excavation within the opportunistic debris area if wood waste is present at levels greater than 20% to 50%, and if conditions allow. Some conditions that might prevent additional excavation would include timing of tides, geotechnical issues, contract issues, or other unknown issues that might be encountered, but are					

Bay Wood – Opportunistic Debris Removal Form Figure 12/14/2020



Areas Labeled and Shaded to match form



DAILY CONSTRUCTION REPORT

Date: 12/15/2020

Project Name: Bay Wood Interim Action Shoreline Restoration & Cleanup	Weather	Night – Overcast/ some clearing; no rain		
Port Project Mgr: Erik Gerking	Temperature	~45		
Resident Engineer: Erik Gerking (filling in for Elise)	Humidity	Dry	Mod.	Humid
Contractor: Strider Construction	Sky Condition	Overcast		

Name of Contractor/Consultant	Employees on Site	Remark
Strider Construction	1 Super intendent 3 Operator 1 Laborer	

Equipment On Site:

2xexcavator, 1 front end loader, 1 small excavator, 1 forklift, 4 conex, generator, light plants, 1 large haul truck

Visitors: None

Construction Activities:

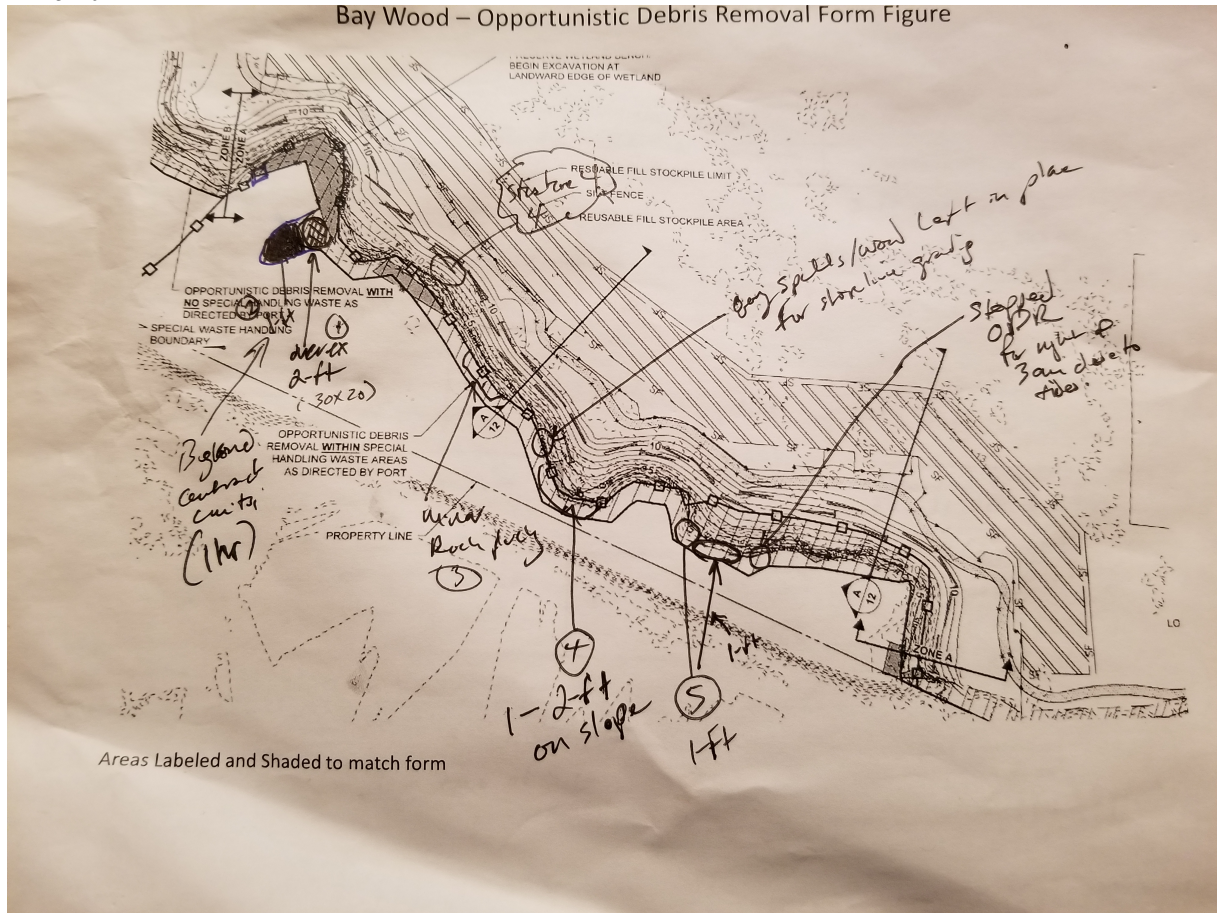
- Crew completed demolition of structure 4 between 6:30pm and 8:00pm; some sand and gravel backfill used to fill in holes and divits; concrete, rock and wood was removed under the demolition bid item. (approximately 2 truck loads)
- Crew started opportunistic debris removal at 8pm – see ODR form and map
- By nights end, Crew had removed approximately 11 truck-loads of ODR (appx 20 yard trucks), and placed approximately the same amount of sand and gravel back fill.
- Leave site at 3:30am

Resident Engineer: Erik Gerking (filling in for Elise)

Signature: _____

12/15/20

Bay Wood – Opportunistic Debris Removal Form Figure



Areas Labeled and Shaded to match form

OPPORTUNISTIC DEBRIS REMOVAL FIELD FORM

Job Name: Bay Wood Interim Action - Shoreline restoration & Clean	In-Water Work Activity: Opportunistic Debris Removal (in the dry)	Recorded By: Erik Gerking, Port of Everett
Project No.: PD_BW-2020-05	Weather Conditions:	12/15/2020

Work Area	Tide Chart Elevation/ Time of Excavation	Surface Below Opportunistic Debris			Additional Excavation of 1 to 2-ft if woodwaste exceeds between 20% and 50%, if conditions allow
		Olfactory Field Screening	Oil/Petroleum Sheen	Wood Waste (Description, %)	Description of Conditions and Excavation
Observation 1 (see field map)	4-ft / 8pm	Decomposing wood odor	None	Fine woody debris ~40%	Removed an additional 2-ft Approximate size: 20 x 30-ft ~40 CY of material
Observation 2 (see field map)	1-ft / 9pm	Decomposing wood odor	None	Fine woody debris ~30%	Removed an additional 1-ft Approximate size: 30 x 30-ft ~ 30 CY of material
Observation 3 (see field map)	-1-ft/ 1045pm	NA	None	Mud	Removal of minor quarry spalls (plucking)
Observation 4 (see field map)	-3-ft/ 1120pm	None	None	Large wood debris (logs/dimensional lumber)	Excavated 2 to 4-ft of material to remove large woody materials backfilled 1 to 4-ft of sand and gravel to match grade 100-ft x 16-ft x (2 to 4-ft)
Observation 5 (see field map)	0-ft / 2am	Slight woody odor	None	Wood fragments ~50%	Excavated 1 to 2-ft Placed 1 to 2-ft sand and gravel
NOTES: * The contractor will conduct additional excavation within the opportunistic debris area if wood waste is present at levels greater than 20% to 50%, and if conditions allow. Some conditions that might prevent additional excavation would include timing of tides, geotechnical issues, contract issues, or other unknown issues that might be encountered, but are					



DAILY CONSTRUCTION REPORT

Date: 12/16/2020

Project Name: Bay Wood Interim Action Shoreline Restoration & Cleanup	Weather	Night – Overcast/ some minor rain at start of shift; otherwise, no rain		
Port Project Mgr: Erik Gerking	Temperature	~45		
Resident Engineer: Erik Gerking (filling in for Elise)	Humidity	Dry	Mod.	Humid
Contractor: Strider Construction	Sky Condition	Overcast		

Name of Contractor/Consultant	Employees on Site	Remark
Strider Construction	1 Super intendent 3 Operator 1 Laborer	

Equipment On Site:

2xexcavator, 1 front end loader, 1 small excavator, 1 forklift, 4 conex, generator, light plants, 1 large haul truck

Visitors: None

- Conducted a video call with Ecology (Sam, Susannah, and Elise) for approximately 1.5hrs during bulkhead demolition; conducted an entire shoreline site walk during video call
- Dave Cline, Shannon & Wilson, was present during the entire demolition of bulkhead 7 and the site walk
- John Klekotka, Port of Everett, was present during the demolition of the bulkhead and placement of shoring rock along the property boundary.

Construction Activities:

- Strider started work at about 8:00pm, with first the placement of BMPs to ensure no discharge from the Low Area.
- Strider first removed low area contaminated soil between their prior berm and the bulkhead and placed back fill.
- Bulkhead demolition commenced at about 9:45pm, starting at the property boundary to uncover the structure and determine the best approach.
- In consultation with the Port’s engineers (Dave Cline and John Klekotka), Strider cut the bulkhead at the property line and dug a hole to approximately 6 feet below ground surface and placed large angular boulders along the property line slope.
- Two layers of bulkhead were present, including at least two large concrete members. All piling except for one were fully removed. The one piling that did not come out fully was removed to 3-ft below finished grade.
- Dave Cline recommended that the shoreline be sloped back at a 4:1 slope, which the Crew implemented along the entire bulkhead number 7 shoreline area.
- The topsoil and sand & gravel mix was placed along the slope in a 1-ft lift and lightly compacted. The material appears to have a good level of cohesion.

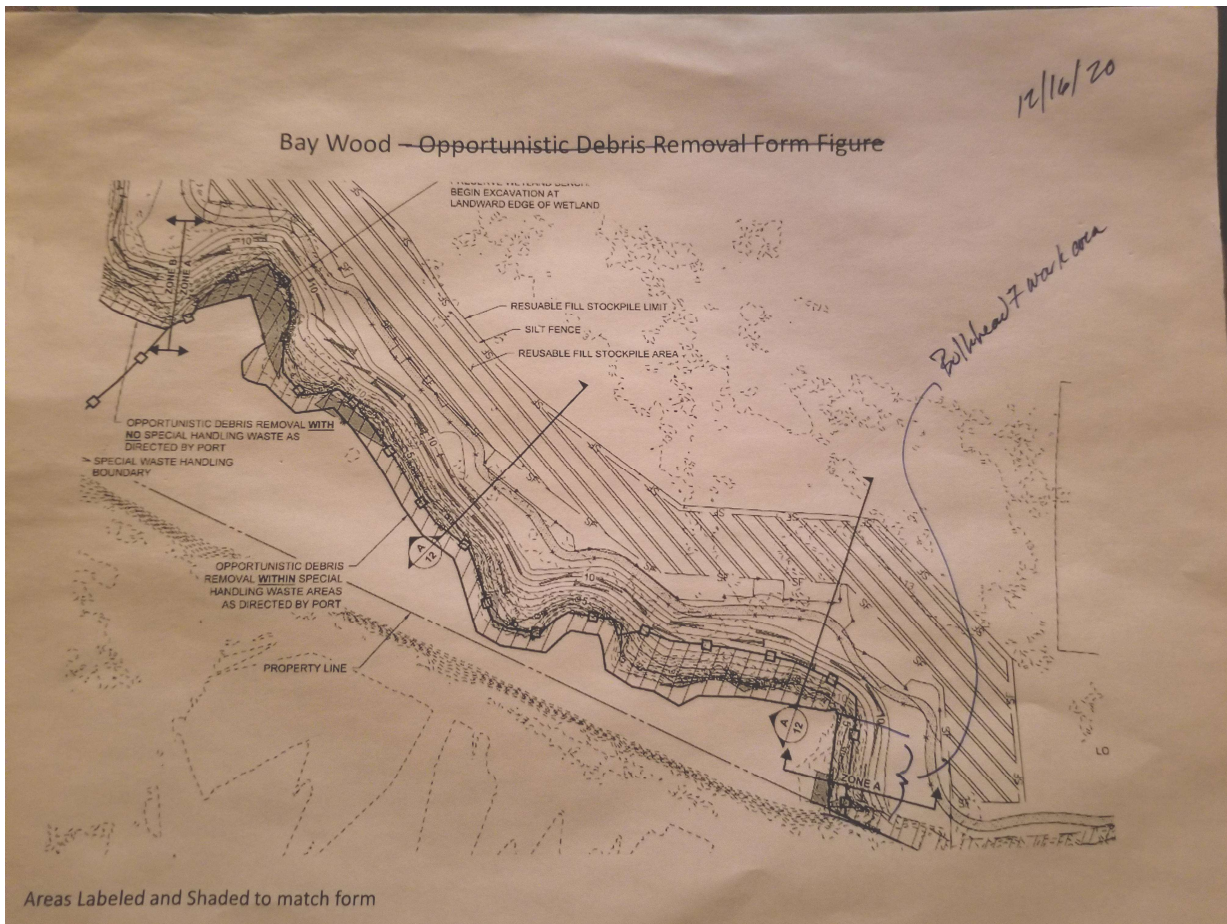
- Work was completed at approximately 3:30am.

Note:

- See photos and videos as separate files

Resident Engineer: Erik Gerking (filling in for Elise)

Signature: _____





DAILY CONSTRUCTION REPORT

Date: 12/17/2020

Project Name: Bay Wood Interim Action Shoreline Restoration & Cleanup	Weather	Night – Overcast/ some clearing; no rain		
Port Project Mgr: Erik Gerking	Temperature	~45		
Resident Engineer: Erik Gerking (filling in for Elise)	Humidity	Dry	Mod.	Humid
Contractor: Strider Construction	Sky Condition	Overcast		

Name of Contractor/Consultant	Employees on Site	Remark
Strider Construction	1 Super intendent 3 Operator 1 Laborer	Strider PM onsite for a couple hours at the beginning of the shift

Equipment On Site:

2xexcavator, 1 front end loader, 1 small excavator, 1 forklift, 4 conex, generator, light plants, 1 large haul truck

Visitors: None

Construction Activities:

- According to Ryan:
 - Crew had spent some of the day mixing topsoil with sand and gravel at the approved rate of 60% topsoil and 40% sand and gravel.
 - The Crew had hauled 7 x 20 CY rail cars off site to republic; the rail cars were loaded fairly heavy, with each one weighing approximately 25 to 30 tons. Two of the cars were from the low area, and five were from the ODR special handling waste area.
 - There was an issue with the topsoil weight tickets – the tare for each truck was not recorded, just the gross. So they are going back and hand recording the tare for the specific truck. I said that should in theory be fine so long as there is a tare weight for each truck recorded on an official weight ticket that also shows the truck number. This would allow the truck numbers on the weight tickets to be correlated.
- Crew started work on demolishing structure 6 at 8:30 pm (corresponding to low tide)
 - Several piling could not be removed fully, and were removed to 3-ft below final grade
- Crew started opportunistic debris removal at 10:00 pm at same time as bulkhead demolition – see ODR form and map
- Crew started shoreline grading in the vicinity of structure 7 at about 12:00 am
 - Crew was using GPS guided excavation technology, which for the most part worked. However, there is some minor deviation in some areas between the lidar survey used by Shannon and Wilson and the survey equipment being used by Strider. In the vicinity of bulkhead 6, there was about 2 to 5 ft of lateral displacement. While I was on a short break, Strider interpreted this deviation as requiring a “fill” in front of the slope. A short section of material had been placen in

front of the slope, and I quickly corrected them and this material was removed. POE and Strider will need to closely monitor and adjust for these minor survey deviations going forward.

- During slope excavation, the break between reusable fill and unsuitable fill was easy to identify.
- At the end of the shift, Strider had completed bulkhead removal, and grading in the vicinity of bulkhead 6, and the remaining extent of ODR within the special waste handling boundary.

- Leave site at 4:00am

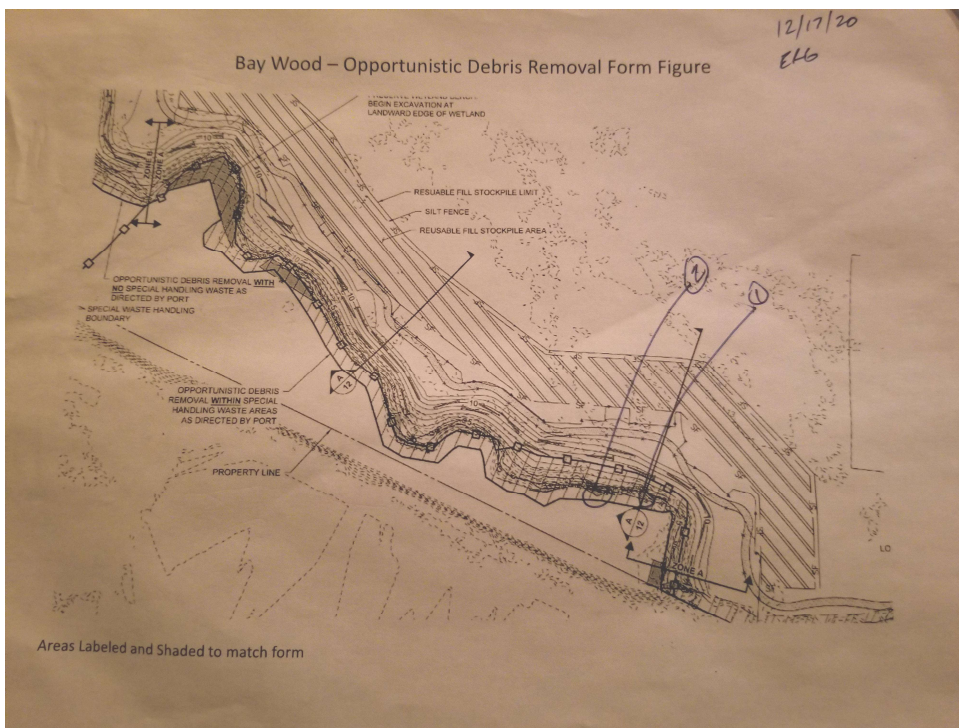
Note:

- See photos and videos as separate files

Resident Engineer: Erik Gerking (filling in for Elise)

Signature: _____

12/17/20 - ODR Map



OPPORTUNISTIC DEBRIS REMOVAL FIELD FORM

Job Name: Bay Wood Interim Action - Shoreline restoration & Clean	In-Water Work Activity: Opportunistic Debris Removal (in the dry)	Recorded By: Erik Gerking, Port of Everett
Project No.: PD_BW-2020-05	Weather Conditions:	12/17/2020

Work Area	Tide Chart Elevation/ Time of Excavation	Surface Below Opportunistic Debris			Additional Excavation of 1 to 2-ft if woodwaste exceeds between 20% and 50%, if conditions allow
		Olfactory Field Screening	Oil/Petroleum Sheen	Wood Waste (Description, %)	Description of Conditions and Excavation
Observation 1 (see field map)	2-ft / 10:00 pm	NA	NA	NA	Innaccessible, however, the contractor was directed to remove the large woody debris, which resulted in the removed about 1 to 2 of mud and debris material
Observation 2 (see field map)	1-ft / 10:00 pm	None	None	Fine woody debris ~30%	Removed an additional 1-ft (Slope unstable/excavator pad unstable) Approximate size: 20 x 10-ft (about 10 CY)
NOTES: * The contractor will conduct additional excavation within the opportunistic debris area if wood waste is present at levels greater than 20% to 50%, and if conditions allow. Some conditions that might prevent additional excavation would include timing of tides, geotechnical issues, contract issues, or other unknown issues that might be encountered, but are					

Shoreline Restoration— Plantings and Large Woody Debris Photographs



Shoreline Restoration Plantings Photograph A



Shoreline Restoration Plantings Photograph B



Shoreline Restoration Plantings Photograph C

10/6/21 \\cedmdata01\projects\147\053\VA Construction Report\Attachments\Att 4 - Shoreline Restoration Plantings Photos\Figure 4-2.docx

Import Fill Criteria and Ecology Approvals

Import Fill Criteria

Washington State Department of Ecology Materials Import Criteria

Bay Wood MTCA Cleanup Site

Analyte	Lab Method	Upland CUL	Basis ^b	Sediment Pre CUL	Basis ^{a, b, c}	Import Criteria	unit
Metals							
Arsenic	EPA 6010/6020	20	MTCA A	11 57	HH- seafood cons. (sed. Natural Bkg) Benthic organisms	11	mg/kg
Cadmium	EPA 6010/6020	2	MTCA A	0.8 5.1	HH- seafood cons. (sed. Natural Bkg) Benthic organisms	0.8	mg/kg
Chromium	EPA 6010/6020	48	Natural bkg	260 230,000	Benthic organisms HH- clamming	48	mg/kg
Copper	EPA 6010/6020	100	Ecological	390 26,000	Benthic organisms HH- beach play	100	mg/kg
Lead	EPA 6010/6020	220	Ecological	21 450	HH- seafood cons. (sed. Natural Bkg) Benthic organisms	21	mg/kg
Mercury	EPA 7470A/7471A	2.1	MTCA B	0.2 0.41	HH- seafood cons. (sed. Natural Bkg) Benthic organisms	0.2	mg/kg
Silver	EPA 6010/6020	2	Ecological	6.1 3,200	Benthic organisms HH- beach play	2	mg/kg
Zinc	EPA 6010/6020	270	Ecological	410 190,000	Benthic organisms HH- beach play	270	mg/kg
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs)							
Total carcinogenic PAHs – TEQ	EPA 8270 SIM	190	MTCA B	21	HH- seafood cons.	21	µg/kg

Polychlorinated Biphenyls (PCBs)							
Total Dioxin-Like PCBs - human health TEQ	EPA 1668A	3.0	Ecological	2.0	HH – Seafood cons.	2.0	ng/kg
Total PCBs (Total for Congeners)	EPA 1668A	1	MTCA A	0.13 0.03	Benthic organisms HH – Seafood cons.	0.03	mg/kg
Dioxins and Furans							
Total dioxins/furans - TEQ	EPA 1613	5	PQL	5	HH- Seafood cons. (PQL)	5	ng/kg
Total Petroleum Hydrocarbons							
TPH-Diesel Range	NWTPH-HCID*	200	Ecological	N/A	--	200	mg/kg
TPH-Oil Range	NWTPH-HCID*	200	Ecological	N/A	--	200	mg/kg
TPH-Gas Range	NWTPH-HCID*	30	MTCA A	N/A	--	30	mg/kg

mg/kg = milligrams per kilogram

mg/kg OC = milligrams per kilogram normalized to organic carbon

µg/kg = micrograms per kilogram

ng/kg = nanograms per kilogram

- a. Sediment CUL protective of benthic organism health must be met on a point-by-point basis.
- b. Results of dioxin-like PCBs and dioxins/furans results will be evaluated together to determine whether material is acceptable.
- c. Bioaccumulative chemicals include arsenic, lead, mercury, cPAHs, total PCBs, dioxin-like PCBs, and dioxins/furans. Currently, site-specific human health and ecological risk-based sediment screening levels have not been developed for bioaccumulative chemicals. Therefore, sediment screening levels for these chemicals are based on the natural background or the practical quantitation limit (PQL), whichever is higher, with the exception of total PCBs. The total PCBs screening level protective of human health is based on the Jeld-Wen Site seafood consumption risk evaluation.

*If petroleum hydrocarbons are detected above the reporting limits using the NWTPH-HCID method, further analysis of the specific petroleum hydrocarbon range that is detected is required. Import criteria listed are the acceptable laboratory analysis reporting criteria for the NWTPH-HCID analyses.

TEQ = Toxicity Equivalence (<https://fortress.wa.gov/ecy/clarc/FocusSheets/tef.pdf>)

Sand/Gravel Mix and Topsoil Results, Ecology Decision, and Analytical Laboratory Reports

Table 5-1
Import Topsoil Analytical Results
Port of Everett Baywood
Everett, Washington

Analyte	Washington State Department of Ecology Materials Import Criteria	Field Sample ID, Laboratory SDG, Sample Date				
		Type A Topsoil EV20110024 11/5/2020	1 Type A Soil EV20110093 11/17/2020	2 Type A Soil EV20110093 11/17/2020	3 Type A Soil EV20110093 11/17/2020	Type A Soil #4 EV20110116 11/18/2020
Total Petroleum Hydrocarbons (mg/kg; NWTPH-HCID)						
Gasoline Range Organics	30	20 U	20 U	20 U	20 U	20 U
Diesel Range Organics	200	50 U	50 U	50 U	50 U	50 U
Motor Oil Range Organics	200	100 U	>100	>100	100 U	>100
Semivolatiles (µg/kg; SW-846 8270D SIM)						
Benzo(a)anthracene	NL	28	31	25	27	41
Chrysene	NL	42	42	35	35	57
Benzo(b)fluoranthene	NL	52	59	49	53	75
Benzo(k)fluoranthene	NL	20 U	25	20 U	22	33
Benzo(a)pyrene	NL	31	32	28	37	56
Indeno(1,2,3-cd)pyrene	NL	20 U	32	26	28	40
Dibenzo(a,h)anthracene	NL	20 U	20 U	20 U	20 U	20 U
cPAH TEQ	21	39	51	43	54	79
Total Metals (mg/kg; SW-846 6020/7471)						
Arsenic	11	9.2	5.6	5.8	6.3	6.5
Cadmium	0.8	0.31	0.25	0.31	0.29	0.22
Chromium	48	36	27	32	29	27
Copper	100	25	22	22	23	22
Lead	21	53	39	38	45	35
Mercury	0.2	0.092	0.07	0.073	0.072	0.073
Silver	2	0.1	0.1 U	0.1 U	0.1 U	0.1 U
Zinc	270	92	77	76	80	75
Dioxins/Furans (ng/kg; SW-846 1613B)						
Total TEQ	5	5.22	4.22	4.86	5.60	6.39
PCBs (ng/kg; SW-846 1668A)						
Total PCB Congeners	30,000	16,000	27,000	23,000	18,000	15,000
Total Dioxin-Like PCBs- Human Health TEQ	2	0.625	1.03	0.711	0.589	0.573

Notes:

All reported data was previously presented to Ecology by Windward Environmental. Laboratory reports are included in this report for further verification.

UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Bold text indicates detected analyte.

Abbreviations and Acronyms:

µg/kg = micrograms per kilogram

cPAH = carcinogenic polycyclic aromatic hydrocarbon

ID = identification

mg/kg = milligrams per kilogram

ng/kg = nanograms per kilogram

NL = not listed

NWTPH = Northwest Total Petroleum Hydrocarbon

PCB = polychlorinated biphenyl

SDG = sample

delivery group

SIM = selected ion monitoring

TEQ = toxic equivalent concentration

Table 5-2
Import Sand-Gravel Analytical Results
Port of Everett Baywood
Everett, Washington

Analyte	Washington State Department of Ecology Materials Import Criteria	Field Sample ID, Laboratory SDG, Sample Date
		Port Everett EV20110019 11/2/2020
Semivolatiles (µg/kg; SW-846 8270D SIM)		
Benzo(a)anthracene	NL	20 U
Chrysene	NL	20 U
Benzo(b)fluoranthene	NL	20 U
Benzo(k)fluoranthene	NL	20 U
Benzo(a)pyrene	NL	20 U
Indeno(1,2,3-cd)pyrene	NL	20 U
Dibenzo(a,h)anthracene	NL	20 U
cPAH TEQ	21	ND
Total Metals (mg/kg; SW-846 6020/7471)		
Arsenic	11	3.8
Cadmium	0.8	0.12
Chromium	48	25
Copper	100	24
Lead	21	2.8
Mercury	0.2	0.028
Silver	2	0.1 U
Zinc	270	38
Dioxins/Furans (ng/kg; SW-846 1613B)		
Total TEQ	5	0.132
PCBs (ng/kg; SW-846 1668A)		
Total PCB Congeners	30,000	74.8
Total Dioxin-Like PCBs- Human Health TEQ	2	0.016

Notes:

All reported data was previously presented to Ecology by Windward Environmental. Laboratory reports are included in this report for further verification.

UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Bold text indicates detected analyte.

Abbreviations and Acronyms:

µg/kg = micrograms per kilogram

cPAH = carcinogenic polycyclic aromatic hydrocarbon

ID = identification

mg/kg = milligrams per kilogram

ng/kg = nanograms per kilogram

NL = not listed

PCB = polychlorinated biphenyl

SDG = sample delivery group

SIM = selected ion monitoring

TEQ = toxic equivalent concentration

Ecology's decision for import material for the Bay Wood interim action

In the Engineering Design Report for the Bay Wood Interim Action, it was specified that clean materials including sand/gravel and top soil, will be imported to backfill the excavated areas during the interim action. In order to evaluate the cleanliness, Ecology compares the chemistry of the import materials to the import criteria (see *Table* in the next page) established by Ecology. The import criteria are based on the preliminary cleanup levels (PCULs) for the site, given that the RI/FS has not been finalized.

The source of sand and gravel was approved in a separate email dated 11/25/2020, based on the fact that chemical testing results for the contaminants of concerns (COCs) at the site are below the import criteria.

The soil from a local supplier was also analyzed for Site COCs. So far five samples have been analyzed for all COCs except Dioxins/Furans (D/F). The results for four D/F samples are delayed due to multiple issues with instrument in the lab. The available data points show exceedances of carcinogenic polycyclic aromatic hydrocarbons (cPAHs) and lead (Pb). The soil from another local source was also tested and showed higher levels of cPAHs and Pb and was thereby excluded for further consideration.

The Port is proposing a topsoil mixture consisting of, by volume, 60% of the soil and 40% of the approved sand and gravel. Windward Environmental calculated the resulting concentrations for each COC if the Port uses a 60:40 soil to sand/gravel mixture. Windward provided the calculations to the Port in a Memo dated 12/10/2020. Based on the calculations, the proposed 60/40 mixture would slightly exceed the PCUL for cPAHs, 23 ug/kg TEQ vs. the PCL of 21 ug/kg TEQ. Based on the lab results provided by the Port to Ecology on 12/11/2020, the import criteria for all other COCs would be met with a 60:40 topsoil and sand and gravel mix.

The Port requests Ecology allow the contractor to bring 1,000 tons of the soil on site so the contractor can begin the process of making the 60/40 mixture, as the project has a tight timeline and permit requirements to complete in-water work by February 15, 2021. The Port understands that adjustment to mixture may be necessary if the outstanding data show the mixture could have D/F at levels greater than its PCULs.

Although the 60/40 mixture results in a cPAH concentration slightly above the Puget Sound Natural Background-based PCUL, it is below the current site average, and below the average cPAH concentration in sediments analyzed within the adjacent cleanup site in the inlet - thereby reducing the risk. The Port is expected to monitor this area after the Interim Action and the final cleanup action to verify final CULs are met. The Port has communicated to Ecology that a sufficient supply of organic material in the form of a 60:40 ratio is critical to the success of the Port's restoration of estuarine wetland habitat. The Port may also conduct a risk assessment after the interim action to establish a site-specific risk-based cleanup level for cPAHs, which could potentially raise the current PCUL.

Based on the fact above, Ecology is approving the Port's request of bringing 1,000 tons of the soil to the site with conditions below:

1. The contractor shall not place the mixture under the ordinary high water mark without Ecology's approval;
2. Ecology will decide if more of the soil can be brought to the site when all lab results are received.

3. The Port acknowledges compliance with final cleanup levels will be revisited during the final cleanup.

Ecology also recommends the contractor begin making the mixture when all analytical data are received.

Addendum to
Ecology's Decision for Import Material for the Bay Wood Interim Action

This document is in reference to Ecology's Decision for Import Material for the Bay Wood Interim Action (the Decision), which was sent to the Port by email on 12/14/2020.

Ecology is making an addition and a modification that are outlined below

1. Addition: Add "The available point data indicate the chemistry of the soil meet the PCULs for upland use, which means the soil can be used within the upland portion of the site without amendment." to after Paragraph 6 of the Decision.
2. Modification: In Column 3 of the Import Criteria Table, change the column name from "Upland CUL" to "Upland Pre CUL".

Washington State Department of Ecology Materials Import Criteria

Bay Wood MTCA Cleanup Site

Analyte	Lab Method	Upland CUL	Basis ^b	Sediment Pre CUL	Basis ^{a, b, c}	Import Criteria	unit
Metals							
Arsenic	EPA 6010/6020	20	MTCA A	11 57	HH- seafood cons. (sed. Natural Bkg) Benthic organisms	11	mg/kg
Cadmium	EPA 6010/6020	2	MTCA A	0.8 5.1	HH- seafood cons. (sed. Natural Bkg) Benthic organisms	0.8	mg/kg
Chromium	EPA 6010/6020	48	Natural bkg	260 230,000	Benthic organisms HH- clamming	48	mg/kg
Copper	EPA 6010/6020	100	Ecological	390 26,000	Benthic organisms HH- beach play	100	mg/kg
Lead	EPA 6010/6020	220	Ecological	21 450	HH- seafood cons. (sed. Natural Bkg) Benthic organisms	21	mg/kg
Mercury	EPA 7470A/7471A	2.1	MTCA B	0.2 0.41	HH- seafood cons. (sed. Natural Bkg) Benthic organisms	0.2	mg/kg
Silver	EPA 6010/6020	2	Ecological	6.1 3,200	Benthic organisms HH- beach play	2	mg/kg
Zinc	EPA 6010/6020	270	Ecological	410 190,000	Benthic organisms HH- beach play	270	mg/kg
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs)							
Total carcinogenic PAHs – TEQ	EPA 8270 SIM	190	MTCA B	21	HH- seafood cons.	21	µg/kg

Polychlorinated Biphenyls (PCBs)							
Total Dioxin-Like PCBs - human health TEQ	EPA 1668A	3.0	Ecological	2.0	HH – Seafood cons.	2.0	ng/kg
Total PCBs (Total for Congeners)	EPA 1668A	1	MTCA A	0.13 0.03	Benthic organisms HH – Seafood cons.	0.03	mg/kg
Dioxins and Furans							
Total dioxins/furans - TEQ	EPA 1613	5	PQL	5	HH- Seafood cons. (PQL)	5	ng/kg
Total Petroleum Hydrocarbons							
TPH-Diesel Range	NWTPH-HCID*	200	Ecological	N/A	--	200	mg/kg
TPH-Oil Range	NWTPH-HCID*	200	Ecological	N/A	--	200	mg/kg
TPH-Gas Range	NWTPH-HCID*	30	MTCA A	N/A	--	30	mg/kg

mg/kg = milligrams per kilogram

mg/kg OC = milligrams per kilogram normalized to organic carbon

µg/kg = micrograms per kilogram

ng/kg = nanograms per kilogram

- Sediment CUL protective of benthic organism health must be met on a point-by-point basis.
- Results of dioxin-like PCBs and dioxins/furans results will be evaluated together to determine whether material is acceptable.
- Bioaccumulative chemicals include arsenic, lead, mercury, cPAHs, total PCBs, dioxin-like PCBs, and dioxins/furans. Currently, site-specific human health and ecological risk-based sediment screening levels have not been developed for bioaccumulative chemicals. Therefore, sediment screening levels for these chemicals are based on the natural background or the practical quantitation limit (PQL), whichever is higher, with the exception of total PCBs. The total PCBs screening level protective of human health is based on the Jeld-Wen Site seafood consumption risk evaluation.

*If petroleum hydrocarbons are detected above the reporting limits using the NWTPH-HCID method, further analysis of the specific petroleum hydrocarbon range that is detected is required. Import criteria listed are the acceptable laboratory analysis reporting criteria for the NWTPH-HCID analyses.

TEQ = Toxicity Equivalence (<https://fortress.wa.gov/ecy/clarc/FocusSheets/tef.pdf>)

APPENDIX A. ANALYTICAL DATA

A1. Pacific Topsoil Data



ALS Environmental - Everett
ATTN: Glen Perry
8620 Holly Drive, Suite 100
Everett WA 98208

Date Received: 06-NOV-20
Report Date: 16-NOV-20 13:43 (MT)
Version: FINAL

Client Phone: 425-356-2600

Certificate of Analysis

Lab Work Order #: L2526941
Project P.O. #: EV20110024
Job Reference: EV20110024
C of C Numbers:
Legal Site Desc:



Claire Kocharakkal, B.Sc.
Account Manager

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ADDRESS: 1435 Norjohn Court, Unit 1, Burlington, ON, L7L 0E6 Canada | Phone: +1 905 331 3111 | Fax: +1 905 331 4567
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1							
Sampled By: Client on 05-NOV-20 @ 08:00							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	24.7		0.10	%	07-NOV-20	09-NOV-20	R5282817
PCB Congeners short run SPB-Octyl Column							
PCB 1	4.94		0.22	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 2	6.84		0.22	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 3	9.94		0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 4	<10	[U]	10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 10	<5.5	[U]	5.5	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 9	<5.5	[U]	5.5	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 7	<5.3	[U]	5.3	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 6	<5.5	[U]	5.5	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 5	<5.9	[U]	5.9	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 8	15.9	M	5.2	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 14	<1.1	[U]	1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 11	26.8		1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 13/12	5.1	M	1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 15	41.0		1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 19	10.5		0.68	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 30/18	58.3		0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 17	25.7		0.61	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 27	5.90		0.45	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 24	1.00	J,R	0.46	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 16	23.9		0.74	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 32	27.5		0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 34	<0.56	[U]	0.56	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 23	<0.53	[U]	0.53	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 29/26	15.6		0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 25	6.77		0.49	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 31	86.9		0.50	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 28/20	108		0.51	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 21/33	23.4		0.53	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 22	31.5		0.53	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 36	3.57		0.48	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 39	1.12	[J]	0.49	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 38	0.87	J,R	0.56	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 35	2.20	M,J	0.54	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 37	50.4		0.58	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 54	0.65	[J]	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 50/53	30.2		0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 45/51	28.8		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 46	8.94		0.32	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 52	469		0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 73	<0.20	[U]	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 43	5.41		0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 69/49	158		0.25	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 48	23.8		0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 44/47/65	229		0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 59/62/75	14.0		0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 42	39.3		0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 41/71/40	70.4		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 64	84.3		0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 72	2.51	[J]	0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1							
Sampled By: Client on 05-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 68	2.07	M,J	0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 57	0.72	M,J,R	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 58	22.6		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 67	3.59		0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 63	6.75		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 61/70/74/76	459	M	0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 66	171	M	0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 55	2.83	M,J	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 56	70.4		0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 60	34.2		0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 80	<0.25	[U]	0.25	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 79	7.67	M	0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 78	<0.31	M,U	0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 81	1.49	M,J	0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 77	31.7		0.32	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 104	<0.24	[U]	0.24	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 96	3.72		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 103	5.18		0.39	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 94	3.14	[J]	0.45	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 95	721		0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 100/93/102/98	20.2		0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 88/91	121		0.43	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 84	200		0.47	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 89	5.28		0.46	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 121	<0.31	[U]	0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 92	192		0.45	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 113/90/101	957		0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 83/99	571		0.44	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 112	<0.30	[U]	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 108/119/86/97/125/87	595	M	0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 117/116/85/110/115	1390	M	0.34	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 82	90.8	M	0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 111	0.78	M,J,R	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 120	1.88	[J]	0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 107/124	40.3		0.50	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 109	62.2		0.48	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 123	17.5		0.58	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 106	<0.52	[U]	0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 118	927		0.56	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 122	11.2		0.54	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 114	17.5		0.59	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 105	422		0.59	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 127	1.19	[J]	0.48	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 126	5.05		0.66	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 155	0.16	M,J	0.14	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 152	0.74	M,J	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 150	1.24	M,J	0.19	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 136	112		0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 145	0.38	M,J	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 148	1.71	[J]	0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 151/135	296	M	0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1							
Sampled By: Client on 05-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 154	8.19	M	0.23	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 144	38.2		0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 147/149	736		0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 134/143	54.0		0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 139/140	18.4		0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 131	13.1		0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 142	<0.51	[U]	0.51	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 132	312		0.48	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 133	15.6		0.47	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 165	1.72	[J]	0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 146	144		0.39	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 161	<0.34	[U]	0.34	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 168/153	911		0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 141	164		0.44	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 130	<0.51	[U]	0.51	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 137/164	122	M	0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 138/163/129	1240		0.45	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 160	<0.30	[U]	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 158	93.3		0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 128/166	175		0.38	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 159	7.24		0.32	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 162	3.26	[J]	0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 167	56.0		0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 156/157	173		0.55	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 169	2.27	M,J	0.46	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 188	0.74	[J]	0.25	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 179	90.7		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 184	0.29	J,R	0.25	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 176	20.7		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 186	<0.28	[U]	0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 178	51.2		0.39	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 175	7.45		0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 187	272		0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 182	1.68	[J]	0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 183	111		0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 185	18.0	M	0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 174	179	M	0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 177	102		0.39	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 181	1.83	[J]	0.36	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 171/173	45.8		0.40	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 172	29.4		0.39	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 192	<0.30	[U]	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 180/193	357		0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 191	5.95		0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 170	143		0.41	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 190	34.6		0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 189	9.01		0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 202	51.8		0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 201	23.4		0.22	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 204	0.34	J,R	0.23	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 197	5.93		0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1							
Sampled By: Client on 05-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 200	17.2		0.23	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 198/199	165		0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 196	50.5		0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 203	107		0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 195	36.0		0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 194	87.1	M	0.24	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 205	6.72	M	0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 208	71.0		0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 207	20.0		0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 206	181		0.56	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 209	268		0.15	ng/kg	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 1	44.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 3	51.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 4	53.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 15	54.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 19	68.0	M	5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 37	64.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 54	66.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 81	66.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 77	64.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 104	75.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 123	59.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 118	56.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 114	57.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 105	58.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 126	53.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 155	70.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 167	63.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 156/157	60.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 169	58.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 188	72.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 189	56.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 202	85.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 205	73.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 208	69.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 206	80.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 209	95.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 28 Cleanup	70.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 111 Cleanup	69.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 178 Cleanup	74.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Total MonoCB	21.7	[J]	0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total DiCB	88.8	[J]	1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total TriCB	483	[J]	0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total TetraCB	1980	[J]	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total PentaCB	6380	[J]	0.24	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total HexaCB	4700	[J]	0.14	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total HeptaCB	1480	[J]	0.25	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total OctaCB	551	[J]	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total NonaCB	272	[J]	0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
DecaCB	268	[J]	0.15	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total PCB	16200	[J]	1.0	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1							
Sampled By: Client on 05-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
Lower Bound PCB TEQ (WHO 2005)	0.625			pg/g	07-NOV-20	15-NOV-20	R5285969
Upper Bound PCB TEQ (WHO 2005)	0.625			pg/g	07-NOV-20	15-NOV-20	R5285969
Sample Size	15.2		0.010	g	07-NOV-20	15-NOV-20	R5285969
Extract Final Volume	25.0		0.10	ul	07-NOV-20	15-NOV-20	R5285969
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	0.612	[J]	0.099	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,7,8-PeCDD	0.77	M,J,R	0.24	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,4,7,8-HxCDD	0.98	J,R	0.40	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,6,7,8-HxCDD	5.63		0.33	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,7,8,9-HxCDD	2.67	[J]	0.37	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,4,6,7,8-HpCDD	115		0.60	pg/g	07-NOV-20	13-NOV-20	R5285969
OCDD	1140		0.59	pg/g	07-NOV-20	13-NOV-20	R5285969
2,3,7,8-TCDF	1.16	M	0.16	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,7,8-PeCDF	0.76	[J]	0.20	pg/g	07-NOV-20	13-NOV-20	R5285969
2,3,4,7,8-PeCDF	1.99	[J]	0.19	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,4,7,8-HxCDF	1.30	J,R	0.25	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,6,7,8-HxCDF	0.99	[J]	0.24	pg/g	07-NOV-20	13-NOV-20	R5285969
2,3,4,6,7,8-HxCDF	1.12	RRR	0.27	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,7,8,9-HxCDF	0.63	M,J	0.22	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,4,6,7,8-HpCDF	24.1		0.18	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,4,7,8,9-HpCDF	1.70	M,J,R	0.30	pg/g	07-NOV-20	13-NOV-20	R5285969
OCDF	56.7		0.24	pg/g	07-NOV-20	13-NOV-20	R5285969
Total-TCDD	7.78		0.099	pg/g	07-NOV-20	13-NOV-20	R5285969
Total TCDD # Homologues	5				07-NOV-20	13-NOV-20	R5285969
Total-PeCDD	4.64		0.24	pg/g	07-NOV-20	13-NOV-20	R5285969
Total PeCDD # Homologues	3				07-NOV-20	13-NOV-20	R5285969
Total-HxCDD	32.7		0.40	pg/g	07-NOV-20	13-NOV-20	R5285969
Total HxCDD # Homologues	4				07-NOV-20	13-NOV-20	R5285969
Total-HpCDD	228		0.60	pg/g	07-NOV-20	13-NOV-20	R5285969
Total HpCDD # Homologues	2				07-NOV-20	13-NOV-20	R5285969
Total-TCDF	18.3		0.16	pg/g	07-NOV-20	13-NOV-20	R5285969
Total TCDF # Homologues	10				07-NOV-20	13-NOV-20	R5285969
Total-PeCDF	33.9		0.20	pg/g	07-NOV-20	13-NOV-20	R5285969
Total PeCDF # Homologues	8				07-NOV-20	13-NOV-20	R5285969
Total-HxCDF	38.7		0.27	pg/g	07-NOV-20	13-NOV-20	R5285969
Total HxCDF # Homologues	6				07-NOV-20	13-NOV-20	R5285969
Total-HpCDF	68.9		0.30	pg/g	07-NOV-20	13-NOV-20	R5285969
Total HpCDF # Homologues	2				07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-2,3,7,8-TCDD	77.0		25-164	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8-PeCDD	51.0		25-181	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	72.0		32-141	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	76.0		28-130	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	54.0		23-140	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-OCDD	47.0		17-157	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-2,3,7,8-TCDF	77.0		24-169	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8-PeCDF	61.0		24-185	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-2,3,4,7,8-PeCDF	55.0		21-178	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	72.0		26-152	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	72.0		26-123	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	67.0		29-147	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	78.0		28-136	%	07-NOV-20	13-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1 Sampled By: Client on 05-NOV-20 @ 08:00 Matrix: Soil							
Dioxins and Furans HR 1613B							
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	53.0		28-143	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	45.0		26-138	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	83.0	M	35-197	%	07-NOV-20	13-NOV-20	R5285969
Lower Bound PCDD/F TEQ (WHO 2005)	4.20			pg/g	07-NOV-20	13-NOV-20	R5285969
Mid Point PCDD/F TEQ (WHO 2005)	5.22			pg/g	07-NOV-20	13-NOV-20	R5285969
Upper Bound PCDD/F TEQ (WHO 2005)	5.22			pg/g	07-NOV-20	13-NOV-20	R5285969
Note: The results for 2,3,4,7,8,9-HxCDF may be elevated somewhat due to a nearby nonachlorodiphenylether							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M	A peak has been manually integrated.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
RRR	Refer to Report Remarks for issues regarding this analysis
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DX-1613B-HRMS-BU	Soil	Dioxins and Furans HR 1613B	USEPA 1613B
Samples are extracted by Soxhlet. The extracts are prepared using column chromatography, reduced in volume and analyzed by isotope-dilution GC/HRMS			
MOISTURE-BU	Soil	% Moisture	CCME PHC in Soil - Tier 1 (mod)
This method is used to determine the percent moisture in a sample. Samples are homogenized, moisture is removed by heating at 105°C until constant mass is achieved. The residues are measured gravimetrically and the difference in weight between the wet sample and the dried sample is used to determine the moisture content. This percent moisture can be used, in conjunction with analytical results, to report data on a dry weight basis.			
PCB-1668-OC2-HRMS-BU	Soil	PCB Congeners short run SPB-Octyl Column	EPA 1668A

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample
 mg/kg wwt - milligrams per kilogram based on wet weight of sample
 mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
 mg/L - unit of concentration based on volume, parts per million.
 < - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2526941

Report Date: 16-NOV-20

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Client: ALS Environmental - Everett
 8620 Holly Drive, Suite 100
 Everett WA 98208

Contact: Glen Perry

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
2,3,7,8-TCDD		0.612	0.706		pg/g	14	50	14-NOV-20
1,2,3,7,8-PeCDD		0.77	0.730		pg/g	5.3	50	14-NOV-20
1,2,3,4,7,8-HxCDD		0.98	1.10		pg/g	12	50	14-NOV-20
1,2,3,6,7,8-HxCDD		5.63	5.26		pg/g	6.8	50	14-NOV-20
1,2,3,7,8,9-HxCDD		2.67	2.85		pg/g	6.5	50	14-NOV-20
1,2,3,4,6,7,8-HpCDD		115	122		pg/g	5.9	50	14-NOV-20
OCDD		1140	1200		pg/g	5.1	50	14-NOV-20
2,3,7,8-TCDF		1.16	1.13		pg/g	2.6	50	14-NOV-20
1,2,3,7,8-PeCDF		0.76	0.80		pg/g	6.2	50	14-NOV-20
2,3,4,7,8-PeCDF		1.99	1.99		pg/g	0.0	50	14-NOV-20
1,2,3,4,7,8-HxCDF		1.30	1.73		pg/g	28	50	14-NOV-20
1,2,3,6,7,8-HxCDF		0.99	1.38		pg/g	33	50	14-NOV-20
2,3,4,6,7,8-HxCDF		1.12	2.43	G	pg/g	74	50	14-NOV-20
1,2,3,7,8,9-HxCDF		0.63	0.47		pg/g	29	50	14-NOV-20
1,2,3,4,6,7,8-HpCDF		24.1	26.3		pg/g	8.7	50	14-NOV-20
1,2,3,4,7,8,9-HpCDF		1.70	1.54		pg/g	9.9	50	14-NOV-20
OCDF		56.7	60.0		pg/g	5.7	50	14-NOV-20
Total-TCDD		7.78	8.90		pg/g	13	50	14-NOV-20
Total-PeCDD		4.64	4.03		pg/g	14	50	14-NOV-20
Total-HxCDD		32.7	41.4		pg/g	23	50	14-NOV-20
Total-HpCDD		228	241		pg/g	5.5	50	14-NOV-20
Total-TCDF		18.3	21.6		pg/g	17	50	14-NOV-20
Total-PeCDF		33.9	34.1		pg/g	0.6	50	14-NOV-20
Total-HxCDF		38.7	40.8		pg/g	5.3	50	14-NOV-20
Total-HpCDF		68.9	67.6		pg/g	1.9	50	14-NOV-20

COMMENTS: The results for 2,3,4,7,8,9-HxCDF may be elevated somewhat due to a nearby nonachlorodiphenylether

WG3440837-2	LCS							
2,3,7,8-TCDD			89.0		%		67-158	13-NOV-20
1,2,3,7,8-PeCDD			103.0		%		70-142	13-NOV-20
1,2,3,4,7,8-HxCDD			97.0		%		70-164	13-NOV-20
1,2,3,6,7,8-HxCDD			96.0		%		76-134	13-NOV-20
1,2,3,7,8,9-HxCDD			103.0		%		64-162	13-NOV-20
1,2,3,4,6,7,8-HpCDD			94.0		%		70-140	13-NOV-20
OCDD			95.0		%		78-144	13-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU	Soil							
Batch	R5285969							
WG3440837-2	LCS							
2,3,7,8-TCDF			97.0		%		75-158	13-NOV-20
1,2,3,7,8-PeCDF			98.0		%		80-134	13-NOV-20
2,3,4,7,8-PeCDF			89.0		%		68-160	13-NOV-20
1,2,3,4,7,8-HxCDF			95.0		%		72-134	13-NOV-20
1,2,3,6,7,8-HxCDF			96.0		%		84-130	13-NOV-20
2,3,4,6,7,8-HxCDF			96.0		%		70-156	13-NOV-20
1,2,3,7,8,9-HxCDF			99.0		%		78-130	13-NOV-20
1,2,3,4,6,7,8-HpCDF			101.0		%		82-122	13-NOV-20
1,2,3,4,7,8,9-HpCDF			99.0		%		78-138	13-NOV-20
OCDF			87.0		%		63-170	13-NOV-20
WG3440837-1	MB							
2,3,7,8-TCDD			<0.027	[U]	pg/g		0.027	13-NOV-20
1,2,3,7,8-PeCDD			<0.012	[U]	pg/g		0.012	13-NOV-20
1,2,3,4,7,8-HxCDD			<0.019	[U]	pg/g		0.019	13-NOV-20
1,2,3,6,7,8-HxCDD			0.029	M,J,R	pg/g		0.018	13-NOV-20
1,2,3,7,8,9-HxCDD			<0.019	M,J,R	pg/g		0.019	13-NOV-20
1,2,3,4,6,7,8-HpCDD			<0.017	[U]	pg/g		0.017	13-NOV-20
OCDD			0.300	M,J,R	pg/g		0.02	13-NOV-20
2,3,7,8-TCDF			<0.015	[U]	pg/g		0.015	13-NOV-20
1,2,3,7,8-PeCDF			<0.016	[U]	pg/g		0.016	13-NOV-20
2,3,4,7,8-PeCDF			<0.014	[U]	pg/g		0.014	13-NOV-20
1,2,3,4,7,8-HxCDF			<0.0088	[U]	pg/g		0.0088	13-NOV-20
1,2,3,6,7,8-HxCDF			<0.0089	[U]	pg/g		0.0089	13-NOV-20
2,3,4,6,7,8-HxCDF			<0.0086	[U]	pg/g		0.0086	13-NOV-20
1,2,3,7,8,9-HxCDF			0.037	[J]	pg/g		0.011	13-NOV-20
1,2,3,4,6,7,8-HpCDF			0.0480	[J]	pg/g		0.0085	13-NOV-20
1,2,3,4,7,8,9-HpCDF			<0.012	[U]	pg/g		0.012	13-NOV-20
OCDF			0.200	M,J,R	pg/g		0.028	13-NOV-20
Total-TCDD			<0.027	[U]	pg/g		0.027	13-NOV-20
Total-PeCDD			<0.012	[U]	pg/g		0.012	13-NOV-20
Total-HxCDD			<0.019	[U]	pg/g		0.019	13-NOV-20
Total-HpCDD			<0.017	[U]	pg/g		0.017	13-NOV-20
Total-TCDF			<0.015	[U]	pg/g		0.015	13-NOV-20
Total-PeCDF			<0.016	[U]	pg/g		0.016	13-NOV-20

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DX-1613B-HRMS-BU		Soil						
Batch R5285969								
WG3440837-1 MB								
Total-HxCDF			0.037	A	pg/g		0.011	13-NOV-20
Total-HpCDF			0.048	A	pg/g		0.012	13-NOV-20
Surrogate: 13C12-2,3,7,8-TCDD			68.0		%		25-164	13-NOV-20
Surrogate: 13C12-1,2,3,7,8-PeCDD			67.0		%		25-181	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8-HxCDD			75.0		%		32-141	13-NOV-20
Surrogate: 13C12-1,2,3,6,7,8-HxCDD			75.0		%		28-130	13-NOV-20
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD			75.0		%		23-140	13-NOV-20
Surrogate: 13C12-OCDD			75.0		%		17-157	13-NOV-20
Surrogate: 13C12-2,3,7,8-TCDF			70.0		%		24-169	13-NOV-20
Surrogate: 13C12-1,2,3,7,8-PeCDF			66.0		%		24-185	13-NOV-20
Surrogate: 13C12-2,3,4,7,8-PeCDF			67.0		%		21-178	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8-HxCDF			71.0		%		26-152	13-NOV-20
Surrogate: 13C12-1,2,3,6,7,8-HxCDF			74.0		%		26-123	13-NOV-20
Surrogate: 13C12-2,3,4,6,7,8-HxCDF			73.0		%		29-147	13-NOV-20
Surrogate: 13C12-1,2,3,7,8,9-HxCDF			72.0		%		28-136	13-NOV-20
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF			73.0		%		28-143	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF			66.0		%		26-138	13-NOV-20
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)			64.0		%		35-197	13-NOV-20

COMMENTS: There were low levels of select targets detected in the method blank that were within the reference method control limits.

MOISTURE-BU		Soil						
Batch R5282817								
WG3440849-3 DUP		L2526941-1						
% Moisture		24.7	23.4		%	5.4	20	09-NOV-20
WG3440849-2 LCS								
% Moisture			99.3		%		90-110	09-NOV-20
WG3440849-1 MB								
% Moisture			<0.10		%		0.3	09-NOV-20

PCB-1668-OC2-HRMS-BU		Soil						
Batch R5285969								
WG3440837-4 DUP		L2526941-1						
PCB 1		4.94	5.35		ng/kg	8.0	50	15-NOV-20
PCB 2		6.84	4.56		ng/kg	40	50	15-NOV-20
PCB 3		9.94	8.13		ng/kg	20	50	15-NOV-20
PCB 4		<10	9.9	G	ng/kg	N/A	50	15-NOV-20
PCB 10		<5.5	<0.89	RPD-NA	ng/kg	N/A	50	15-NOV-20



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PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
PCB 9		<5.5	<0.88	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 7		<5.3	<0.85	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 6		<5.5	4.50	G	ng/kg	N/A	50	15-NOV-20
PCB 5		<5.9	<0.95	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 8		15.9	16.1		ng/kg	1.3	50	15-NOV-20
PCB 14		<1.1	<0.24	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 11		26.8	27.0		ng/kg	0.7	50	15-NOV-20
PCB 13/12		5.1	5.28		ng/kg	3.3	50	15-NOV-20
PCB 15		41.0	43.7		ng/kg	6.4	50	15-NOV-20
PCB 19		10.5	9.33		ng/kg	12	50	15-NOV-20
PCB 30/18		58.3	62.8		ng/kg	7.4	50	15-NOV-20
PCB 17		25.7	26.8		ng/kg	4.2	50	15-NOV-20
PCB 27		5.90	6.21		ng/kg	5.1	50	15-NOV-20
PCB 24		1.00	1.02		ng/kg	2.0	50	15-NOV-20
PCB 16		23.9	27.1		ng/kg	13	50	15-NOV-20
PCB 32		27.5	29.0		ng/kg	5.3	50	15-NOV-20
PCB 34		<0.56	<0.27	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 23		<0.53	<0.25	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 29/26		15.6	18.7		ng/kg	18	50	15-NOV-20
PCB 25		6.77	7.63		ng/kg	12	50	15-NOV-20
PCB 31		86.9	102		ng/kg	16	50	15-NOV-20
PCB 28/20		108	141		ng/kg	27	50	15-NOV-20
PCB 21/33		23.4	32.1		ng/kg	31	50	15-NOV-20
PCB 22		31.5	45.0		ng/kg	35	50	15-NOV-20
PCB 36		3.57	3.97		ng/kg	11	50	15-NOV-20
PCB 39		1.12	1.22		ng/kg	8.5	50	15-NOV-20
PCB 38		0.87	0.53		ng/kg	49	50	15-NOV-20
PCB 35		2.20	2.91		ng/kg	28	50	15-NOV-20
PCB 37		50.4	58.8		ng/kg	15	50	15-NOV-20
PCB 54		0.65	0.538		ng/kg	19	50	15-NOV-20
PCB 50/53		30.2	24.3		ng/kg	22	50	15-NOV-20
PCB 45/51		28.8	25.8		ng/kg	11	50	15-NOV-20
PCB 46		8.94	8.18		ng/kg	8.9	50	15-NOV-20
PCB 52		469	448		ng/kg	4.6	50	15-NOV-20

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PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
PCB 73		<0.20	<0.065	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 43		5.41	4.77		ng/kg	13	50	15-NOV-20
PCB 69/49		158	148		ng/kg	6.5	50	15-NOV-20
PCB 48		23.8	23.9		ng/kg	0.4	50	15-NOV-20
PCB 44/47/65		229	216		ng/kg	5.8	50	15-NOV-20
PCB 59/62/75		14.0	13.0		ng/kg	7.4	50	15-NOV-20
PCB 42		39.3	38.7		ng/kg	1.5	50	15-NOV-20
PCB 41/71/40		70.4	73.8		ng/kg	4.7	50	15-NOV-20
PCB 64		84.3	73.5		ng/kg	14	50	15-NOV-20
PCB 72		2.51	2.18		ng/kg	14	50	15-NOV-20
PCB 68		2.07	1.69		ng/kg	20	50	15-NOV-20
PCB 57		0.72	0.66		ng/kg	8.1	50	15-NOV-20
PCB 58		22.6	23.2		ng/kg	2.6	50	15-NOV-20
PCB 67		3.59	3.48		ng/kg	3.1	50	15-NOV-20
PCB 63		6.75	6.83		ng/kg	1.2	50	15-NOV-20
PCB 61/70/74/76		459	512		ng/kg	11	50	15-NOV-20
PCB 66		171	183		ng/kg	6.8	50	15-NOV-20
PCB 55		2.83	2.65		ng/kg	6.6	50	15-NOV-20
PCB 56		70.4	79.3		ng/kg	12	50	15-NOV-20
PCB 60		34.2	38.8		ng/kg	13	50	15-NOV-20
PCB 80		<0.25	<0.10	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 79		7.67	8.32		ng/kg	8.1	50	15-NOV-20
PCB 78		<0.31	0.23	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 81		1.49	1.30		ng/kg	14	50	15-NOV-20
PCB 77		31.7	33.1		ng/kg	4.3	50	15-NOV-20
PCB 104		<0.24	0.095	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 96		3.72	3.57		ng/kg	4.1	50	15-NOV-20
PCB 103		5.18	4.50		ng/kg	14	50	15-NOV-20
PCB 94		3.14	2.66		ng/kg	17	50	15-NOV-20
PCB 95		721	712		ng/kg	1.3	50	15-NOV-20
PCB 100/93/102/98		20.2	19.5		ng/kg	3.5	50	15-NOV-20
PCB 88/91		121	122		ng/kg	0.8	50	15-NOV-20
PCB 84		200	211		ng/kg	5.4	50	15-NOV-20
PCB 89		5.28	5.51		ng/kg	4.3	50	15-NOV-20



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PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
PCB 121		<0.31	<0.13	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 92		192	198		ng/kg	3.1	50	15-NOV-20
PCB 113/90/101		957	1040		ng/kg	8.3	50	15-NOV-20
PCB 83/99		571	568		ng/kg	0.5	50	15-NOV-20
PCB 112		<0.30	<0.13	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 108/119/86/97/125/87		595	645		ng/kg	8.1	50	15-NOV-20
PCB 117/116/85/110/115		1390	1540		ng/kg	10	50	15-NOV-20
PCB 82		90.8	107		ng/kg	16	50	15-NOV-20
PCB 111		0.78	0.61		ng/kg	24	50	15-NOV-20
PCB 120		1.88	1.57		ng/kg	18	50	15-NOV-20
PCB 107/124		40.3	46.1		ng/kg	13	50	15-NOV-20
PCB 109		62.2	68.9		ng/kg	10	50	15-NOV-20
PCB 123		17.5	20.6		ng/kg	16	50	15-NOV-20
PCB 106		<0.52	<0.16	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 118		927	1030		ng/kg	11	50	15-NOV-20
PCB 122		11.2	12.2		ng/kg	8.5	50	15-NOV-20
PCB 114		17.5	21.1		ng/kg	19	50	15-NOV-20
PCB 105		422	478		ng/kg	12	50	15-NOV-20
PCB 127		1.19	1.55		ng/kg	26	50	15-NOV-20
PCB 126		5.05	5.28		ng/kg	4.5	50	15-NOV-20
PCB 155		0.16	0.109		ng/kg	39	50	15-NOV-20
PCB 152		0.74	0.834		ng/kg	12	50	15-NOV-20
PCB 150		1.24	1.13		ng/kg	9.3	50	15-NOV-20
PCB 136		112	122		ng/kg	8.5	50	15-NOV-20
PCB 145		0.38	0.403		ng/kg	6.9	50	15-NOV-20
PCB 148		1.71	1.10		ng/kg	43	50	15-NOV-20
PCB 151/135		296	329		ng/kg	11	50	15-NOV-20
PCB 154		8.19	7.48		ng/kg	9.1	50	15-NOV-20
PCB 144		38.2	38.5		ng/kg	0.8	50	15-NOV-20
PCB 147/149		736	821		ng/kg	11	50	15-NOV-20
PCB 134/143		54.0	61.7		ng/kg	13	50	15-NOV-20
PCB 139/140		18.4	19.9		ng/kg	7.8	50	15-NOV-20
PCB 131		13.1	14.7		ng/kg	12	50	15-NOV-20
PCB 142		<0.51	<0.32	RPD-NA	ng/kg	N/A	50	15-NOV-20

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PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
PCB 132		312	360		ng/kg	14	50	15-NOV-20
PCB 133		15.6	17.2		ng/kg	9.8	50	15-NOV-20
PCB 165		1.72	1.65		ng/kg	4.2	50	15-NOV-20
PCB 146		144	159		ng/kg	9.9	50	15-NOV-20
PCB 161		<0.34	<0.21	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 168/153		911	1020		ng/kg	11	50	15-NOV-20
PCB 141		164	192		ng/kg	16	50	15-NOV-20
PCB 130		<0.51	<0.32	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 137/164		122	141		ng/kg	14	50	15-NOV-20
PCB 138/163/129		1240	1390		ng/kg	11	50	15-NOV-20
PCB 160		<0.30	<0.19	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 158		93.3	108		ng/kg	15	50	15-NOV-20
PCB 128/166		175	201		ng/kg	14	50	15-NOV-20
PCB 159		7.24	8.86		ng/kg	20	50	15-NOV-20
PCB 162		3.26	4.16		ng/kg	24	50	15-NOV-20
PCB 167		56.0	61.6		ng/kg	9.5	50	15-NOV-20
PCB 156/157		173	189		ng/kg	8.8	50	15-NOV-20
PCB 169		2.27	2.59		ng/kg	13	50	15-NOV-20
PCB 188		0.74	0.705		ng/kg	4.6	50	15-NOV-20
PCB 179		90.7	107		ng/kg	16	50	15-NOV-20
PCB 184		0.29	0.400		ng/kg	32	50	15-NOV-20
PCB 176		20.7	26.0		ng/kg	23	50	15-NOV-20
PCB 186		<0.28	<0.10	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 178		51.2	63.1		ng/kg	21	50	15-NOV-20
PCB 175		7.45	9.22		ng/kg	21	50	15-NOV-20
PCB 187		272	342		ng/kg	23	50	15-NOV-20
PCB 182		1.68	1.66		ng/kg	1.2	50	15-NOV-20
PCB 183		111	144		ng/kg	26	50	15-NOV-20
PCB 185		18.0	23.7		ng/kg	27	50	15-NOV-20
PCB 174		179	226		ng/kg	23	50	15-NOV-20
PCB 177		102	128		ng/kg	23	50	15-NOV-20
PCB 181		1.83	2.30		ng/kg	23	50	15-NOV-20
PCB 171/173		45.8	59.1		ng/kg	25	50	15-NOV-20
PCB 172		29.4	38.5		ng/kg	27	50	15-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
PCB 192		<0.30	<0.11	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 180/193		357	466		ng/kg	26	50	15-NOV-20
PCB 191		5.95	6.84		ng/kg	14	50	15-NOV-20
PCB 170		143	185		ng/kg	26	50	15-NOV-20
PCB 190		34.6	46.2		ng/kg	29	50	15-NOV-20
PCB 189		9.01	10.1		ng/kg	11	50	15-NOV-20
PCB 202		51.8	60.8		ng/kg	16	50	15-NOV-20
PCB 201		23.4	27.4		ng/kg	16	50	15-NOV-20
PCB 204		0.34	0.190	J	ng/kg	0.150	0.46	15-NOV-20
PCB 197		5.93	7.05		ng/kg	17	50	15-NOV-20
PCB 200		17.2	22.8		ng/kg	28	50	15-NOV-20
PCB 198/199		165	220		ng/kg	29	50	15-NOV-20
PCB 196		50.5	72.3		ng/kg	36	50	15-NOV-20
PCB 203		107	149		ng/kg	33	50	15-NOV-20
PCB 195		36.0	43.0		ng/kg	18	50	15-NOV-20
PCB 194		87.1	125		ng/kg	36	50	15-NOV-20
PCB 205		6.72	7.46		ng/kg	10	50	15-NOV-20
PCB 208		71.0	80.5		ng/kg	13	50	15-NOV-20
PCB 207		20.0	22.4		ng/kg	11	50	15-NOV-20
PCB 206		181	222		ng/kg	20	50	15-NOV-20
PCB 209		268	287		ng/kg	6.8	50	15-NOV-20
Total MonoCB		21.7	18.0		ng/kg	19	50	15-NOV-20
Total DiCB		88.8	106		ng/kg	18	50	15-NOV-20
Total TriCB		483	576		ng/kg	18	50	15-NOV-20
Total TetraCB		1980	2000		ng/kg	1.0	50	15-NOV-20
Total PentaCB		6380	6860		ng/kg	7.3	50	15-NOV-20
Total HexaCB		4700	5270		ng/kg	11	50	15-NOV-20
Total HeptaCB		1480	1890		ng/kg	24	50	15-NOV-20
Total OctaCB		551	735		ng/kg	29	50	15-NOV-20
Total NonaCB		272	325		ng/kg	18	50	15-NOV-20
DecaCB		268	287		ng/kg	6.8	50	15-NOV-20
Total PCB		16200	18100		ng/kg	11	50	15-NOV-20
Sample Size		15.2	15.7		g	3.2	150	15-NOV-20
Extract Final Volume		25.0	25.0		ul	0.0	150	15-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
COMMENTS: PCB-4 and PCB-6 failed the duplicate criteria. All other targets replicate well								
WG3440837-2	LCS							
PCB 1			95.0		%		50-150	15-NOV-20
PCB 3			94.0		%		50-150	15-NOV-20
PCB 4			114.0		%		50-150	15-NOV-20
PCB 15			98.0		%		50-150	15-NOV-20
PCB 19			108.0		%		50-150	15-NOV-20
PCB 37			100.0		%		50-150	15-NOV-20
PCB 54			109.0		%		50-150	15-NOV-20
PCB 81			98.0		%		50-150	15-NOV-20
PCB 77			98.0		%		50-150	15-NOV-20
PCB 104			97.0		%		50-150	15-NOV-20
PCB 123			97.0		%		50-150	15-NOV-20
PCB 118			96.0		%		50-150	15-NOV-20
PCB 114			95.0		%		50-150	15-NOV-20
PCB 105			97.0		%		50-150	15-NOV-20
PCB 126			97.0		%		50-150	15-NOV-20
PCB 155			100.0		%		50-150	15-NOV-20
PCB 167			102.0		%		50-150	15-NOV-20
PCB 156/157			102.0		%		50-150	15-NOV-20
PCB 169			103.0		%		50-150	15-NOV-20
PCB 188			99.0		%		50-150	15-NOV-20
PCB 189			99.0		%		50-150	15-NOV-20
PCB 202			106.0		%		50-150	15-NOV-20
PCB 205			95.0		%		50-150	15-NOV-20
PCB 208			96.0		%		50-150	15-NOV-20
PCB 206			97.0		%		50-150	15-NOV-20
PCB 209			112.0		%		50-150	15-NOV-20
WG3440837-1	MB							
PCB 1			<0.080	[U]	ng/kg		5.882	15-NOV-20
PCB 2			0.088	M,J,R	ng/kg		5.882	15-NOV-20
PCB 3			0.094	[J]	ng/kg		5.882	15-NOV-20
PCB 4			<1.8	[U]	ng/kg		5.882	15-NOV-20
PCB 10			<0.77	[U]	ng/kg		5.882	15-NOV-20
PCB 9			<0.76	[U]	ng/kg		5.882	15-NOV-20



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PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 7			<0.74	[U]	ng/kg		5.882	15-NOV-20
PCB 6			<0.76	[U]	ng/kg		5.882	15-NOV-20
PCB 5			<0.82	[U]	ng/kg		5.882	15-NOV-20
PCB 8			<0.73	[U]	ng/kg		5.882	15-NOV-20
PCB 14			<0.21	[U]	ng/kg		5.882	15-NOV-20
PCB 11			1.95	[J]	ng/kg		2.941	15-NOV-20
PCB 13/12			<0.21	[U]	ng/kg		5.882	15-NOV-20
PCB 15			<0.17	[U]	ng/kg		5.882	15-NOV-20
PCB 19			<0.16	[U]	ng/kg		5.882	15-NOV-20
PCB 30/18			0.170	M,J,R	ng/kg		5.882	15-NOV-20
PCB 17			0.166	[J]	ng/kg		5.882	15-NOV-20
PCB 27			<0.061	[U]	ng/kg		5.882	15-NOV-20
PCB 24			<0.063	[U]	ng/kg		5.882	15-NOV-20
PCB 16			<0.10	[U]	ng/kg		5.882	15-NOV-20
PCB 32			<0.057	[U]	ng/kg		5.882	15-NOV-20
PCB 34			<0.076	[U]	ng/kg		5.882	15-NOV-20
PCB 23			<0.072	[U]	ng/kg		5.882	15-NOV-20
PCB 29/26			<0.071	[U]	ng/kg		5.882	15-NOV-20
PCB 25			<0.066	[U]	ng/kg		5.882	15-NOV-20
PCB 31			0.270	J,R	ng/kg		5.882	15-NOV-20
PCB 28/20			0.310	J,R	ng/kg		5.882	15-NOV-20
PCB 21/33			0.230	J,R	ng/kg		5.882	15-NOV-20
PCB 22			0.119	[J]	ng/kg		5.882	15-NOV-20
PCB 36			<0.065	[U]	ng/kg		5.882	15-NOV-20
PCB 39			<0.067	[U]	ng/kg		5.882	15-NOV-20
PCB 38			<0.076	[U]	ng/kg		5.882	15-NOV-20
PCB 35			<0.073	[U]	ng/kg		5.882	15-NOV-20
PCB 37			0.140	M,J,R	ng/kg		5.882	15-NOV-20
PCB 54			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 50/53			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 45/51			0.054	M,J,R	ng/kg		5.882	15-NOV-20
PCB 46			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 52			0.260	J,R	ng/kg		2.941	15-NOV-20



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PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 73			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 43			<0.036	[U]	ng/kg		5.882	15-NOV-20
PCB 69/49			0.120	J,R	ng/kg		5.882	15-NOV-20
PCB 48			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 44/47/65			0.395	M,J	ng/kg		5.882	15-NOV-20
PCB 59/62/75			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 42			0.050	J,R	ng/kg		5.882	15-NOV-20
PCB 41/71/40			0.066	J,R	ng/kg		5.882	15-NOV-20
PCB 64			0.079	J,R	ng/kg		5.882	15-NOV-20
PCB 72			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 68			0.046	[J]	ng/kg		5.882	15-NOV-20
PCB 57			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 58			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 67			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 63			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 61/70/74/76			0.265	[J]	ng/kg		5.882	15-NOV-20
PCB 66			0.118	[J]	ng/kg		5.882	15-NOV-20
PCB 55			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 56			0.055	[J]	ng/kg		5.882	15-NOV-20
PCB 60			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 80			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 79			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 78			<0.027	[U]	ng/kg		5.882	15-NOV-20
PCB 81			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 77			<0.028	M,U	ng/kg		5.882	15-NOV-20
PCB 104			<0.030	[U]	ng/kg		5.882	15-NOV-20
PCB 96			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 103			<0.043	[U]	ng/kg		5.882	15-NOV-20
PCB 94			<0.049	[U]	ng/kg		5.882	15-NOV-20
PCB 95			0.154	[J]	ng/kg		5.882	15-NOV-20
PCB 100/93/102/98			<0.046	[U]	ng/kg		5.882	15-NOV-20
PCB 88/91			<0.047	[U]	ng/kg		5.882	15-NOV-20
PCB 84			<0.052	[U]	ng/kg		5.882	15-NOV-20



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PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-1	MB							
PCB 89			<0.051	[U]	ng/kg		5.882	15-NOV-20
PCB 121			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 92			<0.048	[U]	ng/kg		5.882	15-NOV-20
PCB 113/90/101			0.169	[J]	ng/kg		5.882	15-NOV-20
PCB 83/99			<0.047	[U]	ng/kg		5.882	15-NOV-20
PCB 112			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 108/119/86/97/125/87			0.133	M,J	ng/kg		5.882	15-NOV-20
PCB 117/116/85/110/115			0.255	M,J	ng/kg		5.882	15-NOV-20
PCB 82			<0.057	[U]	ng/kg		5.882	15-NOV-20
PCB 111			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 120			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 107/124			<0.032	[U]	ng/kg		5.882	15-NOV-20
PCB 109			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 123			<0.036	[U]	ng/kg		5.882	15-NOV-20
PCB 106			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 118			0.133	[J]	ng/kg		5.882	15-NOV-20
PCB 122			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 114			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 105			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 127			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 126			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 155			<0.028	[U]	ng/kg		5.882	15-NOV-20
PCB 152			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 150			<0.017	[U]	ng/kg		5.882	15-NOV-20
PCB 136			<0.018	M,U	ng/kg		5.882	15-NOV-20
PCB 145			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 148			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 151/135			0.039	M,J	ng/kg		5.882	15-NOV-20
PCB 154			<0.020	[U]	ng/kg		5.882	15-NOV-20
PCB 144			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 147/149			0.127	[J]	ng/kg		5.882	15-NOV-20
PCB 134/143			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 139/140			<0.021	[U]	ng/kg		5.882	15-NOV-20

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PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 131			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 142			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 132			0.039	M,J,R	ng/kg		5.882	15-NOV-20
PCB 133			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 165			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 146			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 161			<0.017	[U]	ng/kg		5.882	15-NOV-20
PCB 168/153			0.111	[J]	ng/kg		2.941	15-NOV-20
PCB 141			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 130			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 137/164			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 138/163/129			0.172	[J]	ng/kg		5.882	15-NOV-20
PCB 160			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 158			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 128/166			0.026	M,J,R	ng/kg		5.882	15-NOV-20
PCB 159			<0.016	[U]	ng/kg		5.882	15-NOV-20
PCB 162			<0.016	[U]	ng/kg		5.882	15-NOV-20
PCB 167			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 156/157			0.039	[J]	ng/kg		11.764	15-NOV-20
PCB 169			<0.016	M,U	ng/kg		5.882	15-NOV-20
PCB 188			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 179			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 184			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 176			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 186			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 178			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 175			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 187			0.071	[J]	ng/kg		5.882	15-NOV-20
PCB 182			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 183			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 185			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 174			0.044	J,R	ng/kg		5.882	15-NOV-20
PCB 177			<0.037	[U]	ng/kg		5.882	15-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-1	MB							
PCB 181			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 171/173			<0.038	[U]	ng/kg		5.882	15-NOV-20
PCB 172			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 192			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 180/193			0.148	[J]	ng/kg		2.941	15-NOV-20
PCB 191			<0.027	[U]	ng/kg		5.882	15-NOV-20
PCB 170			<0.039	M,J,R	ng/kg		5.882	15-NOV-20
PCB 190			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 189			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 202			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 201			0.015	[J]	ng/kg		5.882	15-NOV-20
PCB 204			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 197			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 200			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 198/199			0.066	J,R	ng/kg		5.882	15-NOV-20
PCB 196			0.031	M,J,R	ng/kg		5.882	15-NOV-20
PCB 203			0.041	J,R	ng/kg		5.882	15-NOV-20
PCB 195			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 194			0.110	M,J,R	ng/kg		5.882	15-NOV-20
PCB 205			<0.011	[U]	ng/kg		5.882	15-NOV-20
PCB 208			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 207			<0.021	[U]	ng/kg		5.882	15-NOV-20
PCB 206			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 209			<0.021	[U]	ng/kg		5.882	15-NOV-20
Surrogate: 13C12 PCB 1			22.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 3			37.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 4			43.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 15			46.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 19			45.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 37			58.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 54			53.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 81			64.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 77			61.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 104			61.0		%		10-145	15-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-1 MB								
Surrogate: 13C12 PCB 123			63.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 118			64.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 114			66.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 105			67.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 126			65.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 155			32.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 167			68.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 156/157			70.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 169			76.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 188			38.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 189			78.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 202			57.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 205			76.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 208			36.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 206			73.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 209			50.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 28 Cleanup			58.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 111 Cleanup			66.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 178 Cleanup			74.0		%		10-145	15-NOV-20
Total MonoCB			0.182	[J]	ng/kg		11.765	15-NOV-20
Total DiCB			1.95	[J]	ng/kg		23.529	15-NOV-20
Total TriCB			1.41	[J]	ng/kg		23.529	15-NOV-20
Total TetraCB			1.51	[J]	ng/kg		47.059	15-NOV-20
Total PentaCB			0.844	[J]	ng/kg		47.059	15-NOV-20
Total HexaCB			0.553	[J]	ng/kg		47.059	15-NOV-20
Total HeptaCB			0.263	[J]	ng/kg		23.529	15-NOV-20
Total OctaCB			0.263	[J]	ng/kg		23.529	15-NOV-20
Total NonaCB			<0.021	[U]	ng/kg		11.765	15-NOV-20
DecaCB			<0.021	[U]	ng/kg		11.765	15-NOV-20
Total PCB			7.0	[J]	ng/kg		94.118	15-NOV-20
Sample Size			17.0		g		25	15-NOV-20
Extract Final Volume			25.0		ul		50	15-NOV-20

Quality Control Report

Workorder: L2526941

Report Date: 16-NOV-20

Page 16 of 16

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

L2526941

Date 11/5/20 Page 1 of 1

PROJECT ID: EV20110024					ANALYSIS REQUESTED										OTHER (Specify)				
REPORT TO COMPANY: ALS Everett					NWTPH-HCID NWTPH-DX NWTPH-GX BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	ADDRESS: 8620 Holly Drive #100 Everett WA 98208		PCB Congeners 1668A		Dioxin Furans 1613									
PROJECT MANAGER: Glen Perry						ADDRESS: 425 3562100 PO.# EV20110024													
E-MAIL:						ATTENTION: Same													
INVOICE TO COMPANY:						ADDRESS:													
SAMPLE I.D.						DATE		TIME		TYPE		LAB#		NUMBER OF CONTAINERS		RECEIVED IN GOOD CONDITION?			
1. EV20110024.1						11/5/20		800		Soil				X		X			
2.																			
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

SPECIAL INSTRUCTIONS: Standard TAT

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: Alan Burtan ALS 11/5/20 1:00
 Received By: ARRAN BURTON 6 NOV-2020 13:50 9.6°C
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis
 10 Standard 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis
 5 Standard 3 1 SAME DAY

OTHER: _____
 Specify: _____

*Turnaround request less than standard may incur Rush Charges



November 11, 2020

Mr. Kyle Gebhardt
Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

Dear Mr. Gebhardt,

On November 5th, 1 sample was received by our laboratory and assigned our laboratory project number EV20110024. The project was identified as your Baywood. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Strider Construction 4721 Northwest Dr Bellingham, WA 98226	DATE:	11/11/2020
CLIENT CONTACT:	Kyle Gebhardt	ALS JOB#:	EV20110024
CLIENT PROJECT:	Baywood	ALS SAMPLE#:	EV20110024-01
CLIENT SAMPLE ID	Type A Topsoil	DATE RECEIVED:	11/05/2020
		COLLECTION DATE:	11/5/2020 8:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
HCID-Gas Range	NWTPH-HCID	U	20	1	MG/KG	11/11/2020	JNF
HCID-Diesel Range	NWTPH-HCID	U	50	1	MG/KG	11/11/2020	JNF
HCID-Oil Range	NWTPH-HCID	U	100	1	MG/KG	11/11/2020	JNF
Benzo[A]Anthracene	EPA-8270 SIM	28	20	1	UG/KG	11/09/2020	JMK
Chrysene	EPA-8270 SIM	42	20	1	UG/KG	11/09/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	52	20	1	UG/KG	11/09/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	31	20	1	UG/KG	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Mercury	EPA-7471	0.092	0.020	1	MG/KG	11/10/2020	RAL
Arsenic	EPA-6020	9.2	0.20	1	MG/KG	11/10/2020	RAL
Cadmium	EPA-6020	0.31	0.10	1	MG/KG	11/10/2020	RAL
Chromium	EPA-6020	36	0.10	1	MG/KG	11/10/2020	RAL
Copper	EPA-6020	25	0.20	1	MG/KG	11/10/2020	RAL
Lead	EPA-6020	53	0.10	1	MG/KG	11/10/2020	RAL
Silver	EPA-6020	0.10	0.10	1	MG/KG	11/10/2020	RAL
Zinc	EPA-6020	92	0.50	1	MG/KG	11/10/2020	RAL

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
BCB	NWTPH-HCID	85.8	11/11/2020	JNF
C25	NWTPH-HCID	85.7	11/11/2020	JNF
Terphenyl-d14	EPA-8270 SIM	86.8	11/09/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
 4721 Northwest Dr
 Bellingham, WA 98226

CLIENT CONTACT: Kyle Gebhardt
 CLIENT PROJECT: Baywood

DATE: 11/11/2020
 ALS SDG#: EV20110024
 WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MB-110920S - Batch 159476 - Soil by NWTPH-HCID

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
HCID-Gas Range	NWTPH-HCID	U	MG/KG	20	11/11/2020	JNF
HCID-Diesel Range	NWTPH-HCID	U	MG/KG	50	11/11/2020	JNF
HCID-Oil Range	NWTPH-HCID	U	MG/KG	100	11/11/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-110620S - Batch 159461 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK

SUR09 - One or more surrogate recoveries were above the upper control limits. No target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes.

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R372442 - Batch R372442 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	11/10/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111020S - Batch 159474 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	11/10/2020	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	11/10/2020	RAL
Chromium	EPA-6020	U	MG/KG	0.10	11/10/2020	RAL
Copper	EPA-6020	U	MG/KG	0.20	11/10/2020	RAL
Lead	EPA-6020	U	MG/KG	0.10	11/10/2020	RAL
Silver	EPA-6020	U	MG/KG	0.10	11/10/2020	RAL
Zinc	EPA-6020	U	MG/KG	0.88	11/10/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
 4721 Northwest Dr
 Bellingham, WA 98226

CLIENT CONTACT: Kyle Gebhardt
 CLIENT PROJECT: Baywood

DATE: 11/11/2020
 ALS SDG#: EV20110024
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 159461 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	92.7			20	150	11/09/2020	JMK
Naphthalene - BSD	EPA-8270 SIM	95.4	3		20	150	11/09/2020	JMK
Benzo[A]Anthracene - BS	EPA-8270 SIM	74.0			20	150	11/09/2020	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	75.7	2		20	150	11/09/2020	JMK
Chrysene - BS	EPA-8270 SIM	79.0			20	150	11/09/2020	JMK
Chrysene - BSD	EPA-8270 SIM	94.9	18		20	150	11/09/2020	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	81.1			20	150	11/09/2020	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	82.1	1		20	150	11/09/2020	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	92.5			20	150	11/09/2020	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	99.1	7		20	150	11/09/2020	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	66.6			20	150	11/09/2020	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	68.8	3		20	150	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	88.3			20	150	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	89.9	2		20	150	11/09/2020	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	84.8			20	150	11/09/2020	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	85.6	1		20	150	11/09/2020	JMK
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	93.8			20	150	11/09/2020	JMK
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	98.8	5		20	150	11/09/2020	JMK

ALS Test Batch ID: R372442 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	106			81.8	117	11/10/2020	RAL
Mercury - BSD	EPA-7471	105	1		81.8	117	11/10/2020	RAL

ALS Test Batch ID: 159474 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	98.2			80	120	11/10/2020	RAL
Arsenic - BSD	EPA-6020	100	2		80	120	11/10/2020	RAL
Cadmium - BS	EPA-6020	102			80	120	11/10/2020	RAL
Cadmium - BSD	EPA-6020	105	3		80	120	11/10/2020	RAL
Chromium - BS	EPA-6020	98.5			80	120	11/10/2020	RAL
Chromium - BSD	EPA-6020	100	2		80	120	11/10/2020	RAL
Copper - BS	EPA-6020	102			80	120	11/10/2020	RAL
Copper - BSD	EPA-6020	105	2		80	120	11/10/2020	RAL
Lead - BS	EPA-6020	96.5			80	120	11/10/2020	RAL
Lead - BSD	EPA-6020	101	4		80	120	11/10/2020	RAL
Silver - BS	EPA-6020	101			80	120	11/10/2020	RAL

CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
 4721 Northwest Dr
 Bellingham, WA 98226

DATE: 11/11/2020
 ALS SDG#: EV20110024
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Kyle Gebhardt
 CLIENT PROJECT: Baywood

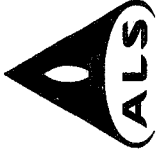
LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Silver - BSD	EPA-6020	105	4		80	120	11/10/2020	RAL
Zinc - BS	EPA-6020	101			80	119	11/10/2020	RAL
Zinc - BSD	EPA-6020	103	2		80	119	11/10/2020	RAL

APPROVED BY



Laboratory Director



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV20110024

Date 11/5/00 Page 1 Of 1

PROJECT ID: <u>Baywood</u>		ANALYSIS REQUESTED		OTHER (Specify)	
REPORT TO COMPANY:	PROJECT MANAGER:	REPORT TO COMPANY:	ATTENTION:	ADDRESS:	ADDRESS:
<u>Strider Construction</u>	<u>Kyle Gebhardt</u>	<u>Strider Construction</u>	<u>Invoice Port of Everett</u>	<u>Bellingham WA 98226</u>	
<u>Kyle Gebhardt</u>	<u>4721 Northwest Drive</u>	<u>360 360 12370.#</u>	<u>Kyle@StriderConstruction.com</u>	<u>360 360 12370.#</u>	
<u>Strider Construction</u>	<u>Strider Construction</u>	<u>Strider Construction</u>	<u>Strider Construction</u>	<u>Strider Construction</u>	
<u>Invoice Port of Everett</u>	<u>Invoice Port of Everett</u>	<u>Invoice Port of Everett</u>	<u>Invoice Port of Everett</u>	<u>Invoice Port of Everett</u>	
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	RECEIVED IN GOOD CONDITION?
<u>1. Type A Topsoil</u>	<u>11/5/00</u>	<u>8:00</u>	<u>Soil</u>	<u>1</u>	<u>1</u>
<u>2.</u>					
<u>3.</u>					
<u>4.</u>					
<u>5.</u>					
<u>6.</u>					
<u>7.</u>					
<u>8.</u>					
<u>9.</u>					
<u>10.</u>					

SPECIAL INSTRUCTIONS CC: Report to jbaruse@pacifiictps.com CC: Elise at Port of Everett

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: [Signature]
 Received By: [Signature] ALS 11/5/00 1:00
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED IN BUSINESS DAYS*
 OTHER: _____
 Specify: _____

Organic, Metals & Inorganic Analysis
 Standard
 SAME DAY
 1 2 3 4 5
 Fuels & Hydrocarbon Analysis
 Standard
 SAME DAY
 1 2 3 4 5

*Turnaround request less than standard may incur Rush Charges



ALS Environmental - Everett
ATTN: Glen Perry
8620 Holly Drive, Suite 100
Everett WA 98208

Date Received: 19-NOV-20
Report Date: 09-DEC-20 17:10 (MT)
Version: DRAFT

Client Phone: 425-356-2600

Certificate of Analysis

Lab Work Order #: L2531498
Project P.O. #: NOT SUBMITTED
Job Reference: EV2011
C of C Numbers:
Legal Site Desc:

DRAFT

Claire Kocharakkal, B.Sc.
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 1435 Norjohn Court, Unit 1, Burlington, ON, L7L 0E6 Canada | Phone: +1 905 331 3111 | Fax: +1 905 331 4567
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-1 EV20110093-1							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	27.1		0.10	%	27-NOV-20	30-NOV-20	R5299813
PCB Congeners short run SPB-Octyl Column							
PCB 1	2.99	M,J	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 2	2.70	[J]	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 3	5.02	[J]	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 4	6.2	M,J	2.7	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 10	<1.5	[U]	1.5	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 9	<1.6	[U]	1.6	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 7	<1.5	[U]	1.5	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 6	<1.6	[U]	1.6	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 5	<1.7	[U]	1.7	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 8	12.6		1.4	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 14	<0.58	[U]	0.58	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 11	14.6		0.58	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 13/12	3.74	M,J	0.59	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 15	50.8		0.62	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 19	21.0		0.41	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 30/18	35.0		0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 17	21.2		0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 27	12.3		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 24	0.96	[J]	0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 16	13.6		0.43	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 32	61.3		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 34	<0.34	[U]	0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 23	<0.32	[U]	0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 29/26	27.4		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 25	10.9		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 31	141		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 28/20	202		0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 21/33	16.3		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 22	60.1		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 36	4.54	[J]	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 39	1.73	[J]	0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 38	0.62	[J]	0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 35	3.76	M,J	0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 37	106		0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 54	0.78	M,J	0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 50/53	43.1		0.17	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 45/51	47.1		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 46	12.9		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 52	348		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 73	<0.14	[U]	0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 43	10.6		0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 69/49	203		0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 48	57.4		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 44/47/65	281		0.17	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 59/62/75	28.1		0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 42	77.5		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 41/71/40	169		0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 64	167		0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 72	2.50	[J]	0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-1 EV20110093-1							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 68	1.47	[J]	0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 57	1.69	[J]	0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 58	1.15	M,J	0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 67	9.95		0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 63	12.7		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 61/70/74/76	663		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 66	359		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 55	6.95		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 56	163		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 60	107		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 80	<0.23	[U]	0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 79	5.96	M,J	0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 78	<0.30	[U]	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 81	2.02	[J]	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 77	41.8		0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 104	<0.11	[U]	0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 96	2.23	M,J	0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 103	2.50	[J]	0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 94	2.24	M,J	0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 95	362		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 100/93/102/98	15.4		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 88/91	70.4		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 84	95.2		0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 89	5.23	[J]	0.38	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 121	<0.24	[U]	0.24	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 92	94.5		0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 113/90/101	465		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 83/99	290		0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 112	<0.25	[U]	0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 108/119/86/97/125/87	385	M	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 117/116/85/110/115	780	M	0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 82	57.1		0.47	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 111	<0.25	[U]	0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 120	0.87	M,J	0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 107/124	23.3		0.38	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 109	33.0		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 123	10.0		0.43	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 106	<0.36	[U]	0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 118	497		0.40	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 122	7.73		0.42	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 114	9.93		0.40	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 105	232		0.46	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 127	0.79	M,J,R	0.40	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 126	5.90	M,J	0.56	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 155	<0.19	[U]	0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 152	0.52	[J]	0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 150	0.46	J,R	0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 136	61.0		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 145	<0.21	M,U	0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 148	0.34	J,R	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 151/135	316	M	0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-1 EV20110093-1							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 154	3.49	M,J	0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 144	29.2		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 147/149	600		0.43	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 134/143	30.0		0.53	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 139/140	10.9		0.43	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 131	6.88		0.56	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 142	<0.56	[U]	0.56	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 132	178		0.52	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 133	8.62		0.49	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 165	6.85		0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 146	99.3		0.46	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 161	<0.34	[U]	0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 168/153	775		0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 141	128		0.51	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 130	42.4		0.60	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 137/164	78.7	M	0.43	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 138/163/129	818		0.49	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 160	<0.39	[U]	0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 158	68.2		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 128/166	191		0.45	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 159	26.6		0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 162	2.90	J,R	0.40	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 167	30.4		0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 156/157	86.9		0.57	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 169	13.6		0.43	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 188	0.58	[J]	0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 179	379		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 184	<0.19	[U]	0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 176	56.5		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 186	<0.22	[U]	0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 178	153		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 175	13.9		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 187	1590		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 182	<0.30	[U]	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 183	426		0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 185	128		0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 174	522		0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 177	220		0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 181	1.30	J,R	0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 171/173	56.1		0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 172	56.0		0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 192	<0.29	[U]	0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 180/193	1850	M	0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 191	10.7	M	0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 170	216		0.41	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 190	182		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 189	6.16	[J]	0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 202	579		0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 201	235		0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 204	<0.15	[U]	0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 197	34.2		0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-1 EV20110093-1							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 200	211		0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 198/199	2210		0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 196	644		0.24	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 203	1570		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 195	296		0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 194	1350		0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 205	34.9		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 208	499		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 207	194		0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 206	2130		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 209	382		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 1	54.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 3	64.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 4	59.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 15	69.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 19	60.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 37	110.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 54	54.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 81	73.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 77	75.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 104	67.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 123	73.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 118	70.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 114	73.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 105	69.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 126	69.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 155	63.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 167	80.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 156/157	75.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 169	85.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 188	71.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 189	84.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 202	79.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 205	98.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 208	70.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 206	75.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 209	45.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 28 Cleanup	70.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 111 Cleanup	79.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 178 Cleanup	86.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Total MonoCB	10.7	[J]	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total DiCB	87.9	[J]	0.58	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total TriCB	740	[J]	0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total TetraCB	2820	[J]	0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total PentaCB	3450	[J]	0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total HexaCB	3610	[J]	0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total HeptaCB	5870	[J]	0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total OctaCB	7160	[J]	0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total NonaCB	2820	[J]	0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
DecaCB	382	[J]	0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total PCB	27000	[J]	1.0	ng/kg	27-NOV-20	08-DEC-20	R5310125

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-1 EV20110093-1							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
Lower Bound PCB TEQ (WHO 2005)	1.03			pg/g	27-NOV-20	08-DEC-20	R5310125
Upper Bound PCB TEQ (WHO 2005)	1.03			pg/g	27-NOV-20	08-DEC-20	R5310125
Sample Size	14.7		0.010	g	27-NOV-20	08-DEC-20	R5310125
Extract Final Volume	25.0		0.10	ul	27-NOV-20	08-DEC-20	R5310125
L2531498-2 EV20110093-2							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	29.5		0.10	%	27-NOV-20	30-NOV-20	R5299813
PCB Congeners short run SPB-Octyl Column							
PCB 1	5.32	M,J	0.10	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 2	3.41	[J]	0.10	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 3	7.69		0.098	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 4	10.0	M	2.2	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 10	<1.2	[U]	1.2	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 9	<1.3	[U]	1.3	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 7	<1.2	[U]	1.2	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 6	5.0	M,J	1.3	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 5	<1.4	[U]	1.4	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 8	21.5		1.2	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 14	<0.61	[U]	0.61	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 11	22.4		0.62	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 13/12	5.46	[J]	0.63	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 15	79.5		0.67	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 19	24.3		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 30/18	46.6		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 17	26.0		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 27	15.2		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 24	1.34	[J]	0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 16	19.9		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 32	73.9		0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 34	<0.29	[U]	0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 23	<0.27	[U]	0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 29/26	33.9		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 25	13.4		0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 31	168		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 28/20	243		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 21/33	23.6		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 22	72.9		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 36	5.85	[J]	0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 39	2.09	[J]	0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 38	0.58	M,J,R	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 35	4.70	[J]	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 37	132		0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 54	0.942	[J]	0.096	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 50/53	48.8		0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 45/51	53.8		0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 46	15.0		0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 52	426		0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 73	<0.087	[U]	0.087	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 43	11.0		0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-2 EV20110093-2							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 69/49	221		0.10	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 48	63.7		0.12	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 44/47/65	314		0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 59/62/75	29.7		0.087	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 42	81.0		0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 41/71/40	179		0.12	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 64	186		0.087	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 72	2.19	M,J	0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 68	1.48	M,J	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 57	1.80	J,R	0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 58	1.43	M,J	0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 67	9.29		0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 63	12.3		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 61/70/74/76	746		0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 66	387		0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 55	7.94	M	0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 56	186		0.38	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 60	118		0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 80	<0.31	[U]	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 79	9.20		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 78	<0.40	[U]	0.40	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 81	2.14	[J]	0.40	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 77	50.0		0.41	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 104	<0.11	[U]	0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 96	3.12	[J]	0.10	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 103	2.90	[J]	0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 94	2.55	[J]	0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 95	486		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 100/93/102/98	18.7		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 88/91	95.1		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 84	144		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 89	8.18		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 121	<0.19	[U]	0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 92	137		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 113/90/101	732		0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 83/99	465		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 112	<0.20	[U]	0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 108/119/86/97/125/87	674	M	0.24	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 117/116/85/110/115	1330	M	0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 82	94.4	M	0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 111	<0.19	[U]	0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 120	0.88	M,J,R	0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 107/124	39.1		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 109	59.3	M	0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 123	15.2	M	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 106	<0.25	[U]	0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 118	925	M	0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 122	12.7	M	0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 114	21.1		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 105	397		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 127	2.30	[J]	0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-2 EV20110093-2							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 126	4.74	M,J	0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 155	<0.15	[U]	0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 152	0.78	[J]	0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 150	0.84	J,R	0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 136	89.2	M	0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 145	0.33	M,J,R	0.12	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 148	0.66	[J]	0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 151/135	307	M	0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 154	5.88	M,J	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 144	41.4		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 147/149	742		0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 134/143	51.2		0.48	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 139/140	18.6		0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 131	13.1		0.50	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 142	<0.51	[U]	0.51	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 132	326		0.47	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 133	14.4		0.44	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 165	3.84	[J]	0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 146	149		0.42	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 161	<0.31	[U]	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 168/153	899		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 141	191		0.46	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 130	76.9		0.54	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 137/164	144	M	0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 138/163/129	1380		0.44	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 160	<0.35	[U]	0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 158	118		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 128/166	246		0.40	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 159	16.8		0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 162	4.76	[J]	0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 167	49.0		0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 156/157	157		0.46	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 169	6.13	[J]	0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 188	0.58	J,R	0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 179	207		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 184	0.41	J,R	0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 176	36.3		0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 186	<0.20	[U]	0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 178	91.9		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 175	11.4		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 187	791	M	0.24	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 182	<0.26	[U]	0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 183	238		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 185	52.7		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 174	354		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 177	172		0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 181	2.44	[J]	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 171/173	64.4		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 172	56.6		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 192	<0.26	[U]	0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 180/193	1110		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-2 EV20110093-2							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 191	10.8		0.24	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 170	257		0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 190	110		0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 189	8.33		0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 202	227		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 201	78.4		0.17	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 204	<0.18	[U]	0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 197	11.5		0.17	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 200	90.0		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 198/199	903		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 196	271		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 203	637		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 195	139		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 194	559		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 205	15.1		0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 208	218		0.24	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 207	61.9		0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 206	818		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 209	312		0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 1	54.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 3	63.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 4	61.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 15	67.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 19	62.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 37	103.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 54	57.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 81	74.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 77	73.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 104	60.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 123	72.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 118	69.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 114	76.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 105	73.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 126	74.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 155	42.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 167	77.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 156/157	76.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 169	80.0	M	10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 188	52.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 189	81.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 202	64.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 205	92.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 208	47.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 206	69.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 209	29.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 28 Cleanup	68.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 111 Cleanup	77.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 178 Cleanup	79.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Total MonoCB	16.4	[J]	0.098	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total DiCB	144	[J]	0.61	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total TriCB	907	[J]	0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-2 EV20110093-2							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
Total TetraCB	3160	[J]	0.087	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total PentaCB	5670	[J]	0.10	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total HexaCB	5050	[J]	0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total HeptaCB	3570	[J]	0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total OctaCB	2930	[J]	0.17	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total NonaCB	1100	[J]	0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
DecaCB	312	[J]	0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total PCB	22900	[J]	1.0	ng/kg	27-NOV-20	08-DEC-20	R5310125
Lower Bound PCB TEQ (WHO 2005)	0.711			pg/g	27-NOV-20	08-DEC-20	R5310125
Upper Bound PCB TEQ (WHO 2005)	0.711			pg/g	27-NOV-20	08-DEC-20	R5310125
Sample Size	14.1		0.010	g	27-NOV-20	08-DEC-20	R5310125
Extract Final Volume	25.0		0.10	ul	27-NOV-20	08-DEC-20	R5310125
L2531498-3 EV20110093-3							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	27.1		0.10	%	27-NOV-20	30-NOV-20	R5299813
PCB Congeners short run SPB-Octyl Column							
PCB 1	3.52	M,J	0.10	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 2	3.01	[J]	0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 3	6.96		0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 4	9.7	M	3.4	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 10	<1.8	[U]	1.8	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 9	<1.9	[U]	1.9	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 7	<1.8	[U]	1.8	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 6	4.9	[J]	1.9	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 5	<2.1	[U]	2.1	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 8	19.9		1.7	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 14	<0.59	[U]	0.59	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 11	20.6		0.60	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 13/12	5.50	M,J	0.60	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 15	51.2		0.63	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 19	24.9		0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 30/18	45.8		0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 17	26.3		0.46	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 27	16.2		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 24	1.10	J,R	0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 16	16.1		0.54	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 32	83.0		0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 34	<0.40	M,U	0.40	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 23	<0.37	[U]	0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 29/26	37.9		0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 25	17.6		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 31	184		0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 28/20	244		0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 21/33	23.0		0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 22	78.7		0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 36	7.80		0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 39	2.42	[J]	0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 38	0.45	M,J,R	0.43	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 35	4.07	M,J	0.43	ng/kg	27-NOV-20	08-DEC-20	R5310125

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-3 EV20110093-3							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 37	133		0.45	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 54	1.53	[J]	0.12	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 50/53	60.4		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 45/51	65.7		0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 46	19.0		0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 52	470		0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 73	<0.14	[U]	0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 43	14.3		0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 69/49	287		0.17	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 48	75.4		0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 44/47/65	389		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 59/62/75	39.8		0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 42	111		0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 41/71/40	226		0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 64	227		0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 72	3.27	[J]	0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 68	1.93	[J]	0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 57	2.93	[J]	0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 58	0.95	M,J,R	0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 67	16.1		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 63	18.7		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 61/70/74/76	1010		0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 66	591	M	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 55	17.5	M	0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 56	280		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 60	207		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 80	0.33	J,R	0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 79	9.65	M	0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 78	<0.35	M,U	0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 81	2.90	J,R	0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 77	74.4		0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 104	<0.11	[U]	0.11	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 96	3.72	[J]	0.098	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 103	3.56	[J]	0.56	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 94	3.35	M,J	0.67	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 95	526		0.62	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 100/93/102/98	24.5		0.62	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 88/91	109		0.65	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 84	154		0.74	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 89	11.0		0.74	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 121	<0.47	[U]	0.47	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 92	134		0.71	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 113/90/101	687		0.56	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 83/99	445		0.69	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 112	<0.50	[U]	0.50	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 108/119/86/97/125/87	734	M	0.60	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 117/116/85/110/115	160	M,R	0.56	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 82	100	M	0.92	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 111	0.89	M,J,R	0.49	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 120	0.79	M,J,R	0.49	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 107/124	36.2		0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-3 EV20110093-3							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 109	53.8	M	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 123	14.8	M	0.38	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 106	<0.33	[U]	0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 118	804		0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 122	13.2	M	0.38	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 114	18.5	M	0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 105	369		0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 127	1.70	M,J,R	0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 126	4.66	M,J	0.44	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 155	<0.38	[U]	0.38	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 152	0.68	J,R	0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 150	0.82	[J]	0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 136	79.0		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 145	0.23	J,R	0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 148	0.59	[J]	0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 151/135	247	M	0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 154	2.70	M,J	0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 144	36.6		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 147/149	639		0.44	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 134/143	47.1		0.54	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 139/140	14.8		0.44	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 131	10.2		0.57	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 142	<0.57	[U]	0.57	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 132	294		0.53	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 133	12.4		0.50	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 165	1.69	[J]	0.38	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 146	120		0.47	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 161	<0.35	[U]	0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 168/153	681		0.38	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 141	169		0.52	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 130	67.5		0.61	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 137/164	124	M	0.44	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 138/163/129	1240		0.50	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 160	<0.40	[U]	0.40	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 158	94.6		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 128/166	196		0.46	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 159	9.75	M	0.40	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 162	3.80	J,R	0.41	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 167	40.6		0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 156/157	118		0.48	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 169	2.44	[J]	0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 188	0.62	J,R	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 179	96.9		0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 184	<0.18	[U]	0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 176	22.0		0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 186	<0.21	[U]	0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 178	50.8		0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 175	6.29	[J]	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 187	336		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 182	<0.28	[U]	0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 183	108		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-3 EV20110093-3							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 185	24.3		0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 174	216		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 177	124		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 181	2.52	M,J	0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 171/173	55.9		0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 172	44.5		0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 192	<0.27	[U]	0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 180/193	623		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 191	9.93		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 170	239		0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 190	64.5		0.24	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 189	7.36		0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 202	68.7		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 201	17.4		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 204	<0.19	[U]	0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 197	2.89	[J]	0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 200	32.2		0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 198/199	303		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 196	86.2		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 203	159		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 195	71.6		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 194	205		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 205	6.82		0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 208	83.4		0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 207	14.5		0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 206	245		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 209	286		0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 1	55.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 3	59.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 4	56.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 15	68.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 19	65.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 37	100.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 54	65.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 81	81.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 77	81.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 104	65.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 123	78.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 118	76.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 114	81.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 105	81.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 126	80.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 155	32.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 167	80.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 156/157	87.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 169	89.0	M	10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 188	40.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 189	93.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 202	49.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 205	100.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 208	36.0		10-145	%	27-NOV-20	08-DEC-20	R5310125

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-3 EV20110093-3							
Sampled By: Client on 17-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
Surrogate: 13C12 PCB 206	88.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 209	24.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 28 Cleanup	74.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 111 Cleanup	76.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 178 Cleanup	78.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Total MonoCB	13.5	[J]	0.10	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total DiCB	112	[J]	0.59	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total TriCB	946	[J]	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total TetraCB	4220	[J]	0.12	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total PentaCB	4410	[J]	0.098	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total HexaCB	4250	[J]	0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total HeptaCB	2030	[J]	0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total OctaCB	953	[J]	0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total NonaCB	343	[J]	0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
DecaCB	286	[J]	0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total PCB	17600	[J]	1.0	ng/kg	27-NOV-20	08-DEC-20	R5310125
Lower Bound PCB TEQ (WHO 2005)	0.588			pg/g	27-NOV-20	08-DEC-20	R5310125
Upper Bound PCB TEQ (WHO 2005)	0.589			pg/g	27-NOV-20	08-DEC-20	R5310125
Sample Size	14.8		0.010	g	27-NOV-20	08-DEC-20	R5310125
Extract Final Volume	25.0		0.10	ul	27-NOV-20	08-DEC-20	R5310125
L2531498-4 EV20110111-1							
Sampled By: Client on 18-NOV-20 @ 08:00							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	31.1		0.10	%	27-NOV-20	30-NOV-20	R5299813
PCB Congeners short run SPB-Octyl Column							
PCB 1	10.8		0.088	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 2	12.1		0.088	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 3	17.6		0.088	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 4	35.3		2.0	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 10	<1.1	[U]	1.1	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 9	6.0	J,R	1.1	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 7	4.3	J,R	1.1	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 6	17.2		1.1	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 5	2.0	M,J	1.2	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 8	85.9	M	1.0	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 14	0.84	M,J	0.58	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 11	175		0.58	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 13/12	11.4		0.59	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 15	69.2		0.60	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 19	13.7		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 30/18	99.3	M	0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 17	42.9		0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 27	7.30	M	0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 24	1.42	M,J	0.17	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 16	43.3		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 32	28.3		0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 34	<0.28	[U]	0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 23	<0.26	[U]	0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 29/26	25.1		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 25	11.2		0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-4 EV20110111-1							
Sampled By: Client on 18-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 31	141		0.24	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 28/20	159		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 21/33	76.7		0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 22	56.5		0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 36	3.61	M,J	0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 39	1.80	[J]	0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 38	0.87	M,J,R	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 35	6.60	[J]	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 37	72.4		0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 54	0.29	M,J,R	0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 50/53	25.3		0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 45/51	27.4		0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 46	7.94		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 52	404		0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 73	<0.12	[U]	0.12	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 43	7.40		0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 69/49	137		0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 48	39.0		0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 44/47/65	217		0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 59/62/75	15.1		0.12	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 42	44.3		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 41/71/40	92.5		0.17	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 64	115		0.12	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 72	2.50	J,R	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 68	4.70	[J]	0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 57	1.01	[J]	0.33	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 58	0.91	M,J	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 67	5.11	[J]	0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 63	8.52		0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 61/70/74/76	551	M	0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 66	253	M	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 55	5.09	M,J	0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 56	104		0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 60	75.3		0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 80	<0.28	[U]	0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 79	9.28		0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 78	0.44	M,J	0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 81	1.45	M,J	0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 77	38.4		0.38	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 104	<0.099	[U]	0.099	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 96	2.30	M,J,R	0.098	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 103	2.74	[J]	0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 94	2.20	[J]	0.42	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 95	508		0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 100/93/102/98	16.3		0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 88/91	86.0		0.41	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 84	146		0.46	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 89	5.15	[J]	0.46	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 121	2.03	[J]	0.30	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 92	147		0.44	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 113/90/101	758		0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-4 EV20110111-1							
Sampled By: Client on 18-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 83/99	466		0.43	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 112	<0.31	[U]	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 108/119/86/97/125/87	738	M	0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 117/116/85/110/115	1300	M	0.35	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 82	89.3		0.57	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 111	1.40	M,J,R	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 120	2.30	J,R	0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 107/124	38.4		0.43	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 109	57.4	M	0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 123	16.7	M	0.50	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 106	<0.41	[U]	0.41	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 118	920		0.44	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 122	12.8		0.48	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 114	17.8		0.45	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 105	381		0.47	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 127	1.60	M,J,R	0.46	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 126	5.27	M,J	0.54	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 155	0.79	[J]	0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 152	0.54	[J]	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 150	0.85	[J]	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 136	94.9		0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 145	0.44	M,J,R	0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 148	0.48	[J]	0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 151/135	290	M	0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 154	3.79	M,J	0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 144	39.9		0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 147/149	757		0.45	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 134/143	52.4		0.56	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 139/140	17.7		0.45	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 131	13.0		0.58	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 142	<0.59	[U]	0.59	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 132	441		0.54	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 133	14.1		0.52	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 165	1.83	[J]	0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 146	163		0.49	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 161	<0.36	[U]	0.36	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 168/153	855		0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 141	203		0.53	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 130	82.5		0.63	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 137/164	145	M	0.45	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 138/163/129	1460		0.51	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 160	<0.41	[U]	0.41	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 158	166		0.34	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 128/166	234		0.47	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 159	11.0		0.41	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 162	4.36	[J]	0.42	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 167	49.1		0.38	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 156/157	155		0.48	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 169	2.36	[J]	0.37	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 188	0.44	J,R	0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 179	90.9		0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-4 EV20110111-1							
Sampled By: Client on 18-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 184	0.56	J,R	0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 176	21.9		0.16	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 186	<0.17	[U]	0.17	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 178	71.3		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 175	7.27		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 187	312		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 182	<0.23	[U]	0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 183	114		0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 185	21.9	M	0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 174	215	M	0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 177	128		0.27	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 181	2.54	M,J	0.26	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 171/173	65.2	M	0.28	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 172	51.2		0.29	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 192	<0.22	[U]	0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 180/193	644		0.23	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 191	12.4		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 170	312		0.32	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 190	66.7		0.19	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 189	8.99		0.17	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 202	53.2		0.22	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 201	13.9		0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 204	<0.13	[U]	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 197	2.62	[J]	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 200	21.2		0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 198/199	207		0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 196	62.9		0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 203	126		0.18	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 195	60.5		0.25	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 194	145		0.24	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 205	6.99	[J]	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 208	91.5		0.31	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 207	11.8		0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 206	238		0.21	ng/kg	27-NOV-20	08-DEC-20	R5310125
PCB 209	299		0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 1	58.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 3	68.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 4	62.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 15	75.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 19	75.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 37	104.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 54	60.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 81	82.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 77	84.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 104	68.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 123	76.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 118	77.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 114	82.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 105	80.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 126	81.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 155	34.0		10-145	%	27-NOV-20	08-DEC-20	R5310125

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-4 EV20110111-1							
Sampled By: Client on 18-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
Surrogate: 13C12 PCB 167	81.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 156/157	88.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 169	101.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 188	47.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 189	102.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 202	56.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 205	117.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 208	38.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 206	94.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 209	25.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 28 Cleanup	75.0		5-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 111 Cleanup	79.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Surrogate: 13C12 PCB 178 Cleanup	122.0		10-145	%	27-NOV-20	08-DEC-20	R5310125
Total MonoCB	40.5	[J]	0.088	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total DiCB	407	[J]	0.58	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total TriCB	791	[J]	0.15	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total TetraCB	2190	[J]	0.12	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total PentaCB	5720	[J]	0.098	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total HexaCB	5260	[J]	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total HeptaCB	2150	[J]	0.14	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total OctaCB	699	[J]	0.13	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total NonaCB	341	[J]	0.20	ng/kg	27-NOV-20	08-DEC-20	R5310125
DecaCB	299	[J]	0.39	ng/kg	27-NOV-20	08-DEC-20	R5310125
Total PCB	17900	[J]	1.0	ng/kg	27-NOV-20	08-DEC-20	R5310125
Lower Bound PCB TEQ (WHO 2005)	0.649			pg/g	27-NOV-20	08-DEC-20	R5310125
Upper Bound PCB TEQ (WHO 2005)	0.649			pg/g	27-NOV-20	08-DEC-20	R5310125
Sample Size	14.0		0.010	g	27-NOV-20	08-DEC-20	R5310125
Extract Final Volume	25.0		0.10	ul	27-NOV-20	08-DEC-20	R5310125
L2531498-5 EV20110116-1							
Sampled By: Client on 18-NOV-20 @ 08:00							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	27.7		0.10	%	27-NOV-20	30-NOV-20	R5299813
PCB Congeners short run SPB-Octyl Column							
PCB 1	6.98		0.090	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 2	4.34	[J]	0.091	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 3	8.68		0.093	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 4	10.7		2.2	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 10	<1.3	[U]	1.3	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 9	<1.3	[U]	1.3	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 7	<1.3	[U]	1.3	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 6	5.5	M,J	1.3	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 5	<1.4	[U]	1.4	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 8	23.4		1.2	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 14	<0.68	[U]	0.68	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 11	21.9		0.69	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 13/12	5.03	[J]	0.70	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 15	44.0		0.76	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 19	10.2		0.42	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 30/18	53.2		0.22	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 17	21.6	M	0.26	ng/kg	27-NOV-20	09-DEC-20	R5310125

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-5 EV20110116-1							
Sampled By: Client on 18-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 27	4.98	M,J	0.19	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 24	0.77	M,J	0.19	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 16	17.6	M	0.30	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 32	24.0		0.17	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 34	0.34	J,R	0.28	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 23	<0.26	[U]	0.26	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 29/26	14.6		0.26	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 25	6.42	[J]	0.22	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 31	74.5		0.24	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 28/20	101		0.25	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 21/33	23.8		0.26	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 22	29.7		0.27	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 36	3.38	M,J	0.25	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 39	1.11	M,J	0.26	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 38	0.46	J,R	0.30	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 35	2.16	[J]	0.30	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 37	54.0		0.29	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 54	0.67	[J]	0.18	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 50/53	22.5		0.16	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 45/51	21.4		0.17	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 46	6.21	[J]	0.20	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 52	332	M	0.18	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 73	<0.14	[U]	0.14	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 43	4.90	M,J,R	0.21	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 69/49	127		0.16	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 48	23.5		0.18	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 44/47/65	169	M	0.17	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 59/62/75	11.6	M	0.14	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 42	32.0	M	0.20	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 41/71/40	72.9		0.19	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 64	86.7		0.14	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 72	2.55	[J]	0.41	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 68	1.76	[J]	0.37	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 57	0.73	[J]	0.44	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 58	<0.40	[U]	0.40	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 67	3.56	[J]	0.38	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 63	5.94	[J]	0.41	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 61/70/74/76	444		0.43	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 66	185	M	0.42	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 55	4.41	M,J	0.46	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 56	76.4		0.47	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 60	49.3		0.46	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 80	<0.38	[U]	0.38	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 79	8.75		0.41	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 78	<0.49	M,U	0.49	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 81	1.11	M,J	0.49	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 77	31.5		0.49	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 104	<0.14	[U]	0.14	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 96	2.01	[J]	0.14	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 103	2.81	[J]	0.28	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 94	1.80	[J]	0.34	ng/kg	27-NOV-20	09-DEC-20	R5310125

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-5 EV20110116-1							
Sampled By: Client on 18-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 95	457		0.31	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 100/93/102/98	13.0		0.31	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 88/91	77.4		0.32	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 84	114		0.37	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 89	4.85	[J]	0.37	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 121	<0.24	[U]	0.24	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 92	134		0.35	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 113/90/101	689		0.28	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 83/99	431		0.35	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 112	<0.25	[U]	0.25	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 108/119/86/97/125/87	596	M	0.30	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 117/116/85/110/115	1140	M	0.28	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 82	73.3		0.46	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 111	<0.25	[U]	0.25	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 120	1.68	[J]	0.24	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 107/124	34.0		0.37	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 109	52.4	M	0.32	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 123	13.1	M	0.41	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 106	<0.36	[U]	0.36	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 118	800	M	0.37	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 122	11.0	M	0.41	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 114	14.4	M	0.39	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 105	335		0.39	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 127	2.16	M,J	0.39	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 126	4.56	M,J	0.47	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 155	<0.20	[U]	0.20	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 152	0.60	[J]	0.16	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 150	0.66	J,R	0.16	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 136	70.4		0.17	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 145	<0.17	J,R	0.17	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 148	0.59	J,R	0.24	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 151/135	235	M	0.27	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 154	5.20	M,J	0.19	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 144	39.8	M	0.26	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 147/149	619		0.43	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 134/143	42.5		0.54	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 139/140	15.3		0.44	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 131	10.6		0.56	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 142	<0.57	[U]	0.57	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 132	276		0.52	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 133	13.0		0.50	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 165	1.93	M,J	0.38	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 146	137	M	0.47	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 161	<0.34	[U]	0.34	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 168/153	789		0.37	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 141	174		0.51	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 130	69.5		0.61	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 137/164	123	M	0.43	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 138/163/129	1200		0.49	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 160	<0.40	[U]	0.40	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 158	96.7		0.33	ng/kg	27-NOV-20	09-DEC-20	R5310125

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-5 EV20110116-1							
Sampled By: Client on 18-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 128/166	191		0.45	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 159	9.35	M	0.40	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 162	4.05	M,J	0.40	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 167	46.0		0.37	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 156/157	139		0.54	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 169	2.42	M,J	0.37	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 188	0.54	[J]	0.29	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 179	75.3		0.23	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 184	<0.20	[U]	0.20	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 176	19.5		0.23	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 186	<0.24	[U]	0.24	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 178	44.7		0.35	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 175	6.65	[J]	0.35	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 187	270		0.30	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 182	<0.32	[U]	0.32	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 183	99.0		0.33	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 185	18.7	M	0.40	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 174	176	M	0.33	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 177	105		0.38	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 181	2.34	[J]	0.37	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 171/173	49.9		0.40	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 172	48.7		0.40	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 192	<0.32	[U]	0.32	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 180/193	802	M	0.32	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 191	13.6	M	0.30	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 170	235		0.45	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 190	57.7		0.27	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 189	9.16		0.23	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 202	46.7		0.26	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 201	13.5		0.20	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 204	<0.20	[U]	0.20	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 197	2.80	J,R	0.19	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 200	18.2		0.21	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 198/199	192		0.30	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 196	58.6		0.31	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 203	117		0.28	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 195	49.0		0.30	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 194	131		0.29	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 205	6.08	[J]	0.19	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 208	71.6		0.35	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 207	12.4		0.29	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 206	189		0.36	ng/kg	27-NOV-20	09-DEC-20	R5310125
PCB 209	240		0.25	ng/kg	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 1	62.0		5-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 3	69.0		5-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 4	65.0		5-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 15	70.0		5-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 19	61.0		5-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 37	111.0		5-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 54	58.0		5-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 81	80.0		10-145	%	27-NOV-20	09-DEC-20	R5310125

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2531498-5 EV20110116-1							
Sampled By: Client on 18-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
Surrogate: 13C12 PCB 77	81.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 104	66.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 123	80.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 118	77.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 114	79.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 105	83.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 126	84.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 155	56.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 167	85.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 156/157	83.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 169	103.0	M	10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 188	63.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 189	101.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 202	75.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 205	104.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 208	60.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 206	101.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 209	42.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 28 Cleanup	74.0		5-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 111 Cleanup	83.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Surrogate: 13C12 PCB 178 Cleanup	86.0		10-145	%	27-NOV-20	09-DEC-20	R5310125
Total MonoCB	20.0	[J]	0.090	ng/kg	27-NOV-20	09-DEC-20	R5310125
Total DiCB	111	[J]	0.68	ng/kg	27-NOV-20	09-DEC-20	R5310125
Total TriCB	444	[J]	0.17	ng/kg	27-NOV-20	09-DEC-20	R5310125
Total TetraCB	1730	[J]	0.14	ng/kg	27-NOV-20	09-DEC-20	R5310125
Total PentaCB	5000	[J]	0.14	ng/kg	27-NOV-20	09-DEC-20	R5310125
Total HexaCB	4310	[J]	0.16	ng/kg	27-NOV-20	09-DEC-20	R5310125
Total HeptaCB	2030	[J]	0.20	ng/kg	27-NOV-20	09-DEC-20	R5310125
Total OctaCB	635	[J]	0.19	ng/kg	27-NOV-20	09-DEC-20	R5310125
Total NonaCB	273	[J]	0.29	ng/kg	27-NOV-20	09-DEC-20	R5310125
DecaCB	240	[J]	0.25	ng/kg	27-NOV-20	09-DEC-20	R5310125
Total PCB	14800	[J]	1.0	ng/kg	27-NOV-20	09-DEC-20	R5310125
Lower Bound PCB TEQ (WHO 2005)	0.573			pg/g	27-NOV-20	09-DEC-20	R5310125
Upper Bound PCB TEQ (WHO 2005)	0.573			pg/g	27-NOV-20	09-DEC-20	R5310125
Sample Size	14.5		0.010	g	27-NOV-20	09-DEC-20	R5310125
Extract Final Volume	25.0		0.10	ul	27-NOV-20	09-DEC-20	R5310125

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M	A peak has been manually integrated.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,R	A peak has been manually integrated, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
MOISTURE-BU	Soil	% Moisture	CCME PHC in Soil - Tier 1 (mod)
This method is used to determine the percent moisture in a sample. Samples are homogenized, moisture is removed by heating at 105°C until constant mass is achieved. The residues are measured gravimetrically and the difference in weight between the wet sample and the dried sample is used to determine the moisture content. This percent moisture can be used, in conjunction with analytical results, to report data on a dry weight basis.			
PCB-1668-OC2-HRMS-BU	Soil	PCB Congeners short run SPB-Octyl Column	EPA 1668A

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample
 mg/kg wwt - milligrams per kilogram based on wet weight of sample
 mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
 mg/L - unit of concentration based on volume, parts per million.
 < - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



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Client: ALS Environmental - Everett
 8620 Holly Drive, Suite 100
 Everett WA 98208

Contact: Glen Perry

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MOISTURE-BU		Soil						
Batch	R5299813							
WG3448731-2	LCS							
% Moisture			98.7		%		90-110	30-NOV-20
WG3448731-1	MB							
% Moisture			<0.10		%		0.3	30-NOV-20
PCB-1668-OC2-HRMS-BU		Soil						
Batch	R5310125							
WG3442613-2	LCS							
PCB 1			104.0		%		50-150	04-DEC-20
PCB 3			100.0		%		50-150	04-DEC-20
PCB 4			104.0		%		50-150	04-DEC-20
PCB 15			108.0		%		50-150	04-DEC-20
PCB 19			100.0		%		50-150	04-DEC-20
PCB 37			104.0		%		50-150	04-DEC-20
PCB 54			102.0		%		50-150	04-DEC-20
PCB 81			102.0		%		50-150	04-DEC-20
PCB 77			100.0		%		50-150	04-DEC-20
PCB 104			96.0		%		50-150	04-DEC-20
PCB 123			101.0		%		50-150	04-DEC-20
PCB 118			104.0		%		50-150	04-DEC-20
PCB 114			97.0		%		50-150	04-DEC-20
PCB 105			96.0		%		50-150	04-DEC-20
PCB 126			100.0		%		50-150	04-DEC-20
PCB 155			97.0		%		50-150	04-DEC-20
PCB 167			98.0		%		50-150	04-DEC-20
PCB 156/157			99.0		%		50-150	04-DEC-20
PCB 169			100.0		%		50-150	04-DEC-20
PCB 188			99.0		%		50-150	04-DEC-20
PCB 189			102.0		%		50-150	04-DEC-20
PCB 202			101.0		%		50-150	04-DEC-20
PCB 205			95.0		%		50-150	04-DEC-20
PCB 208			96.0		%		50-150	04-DEC-20
PCB 206			96.0		%		50-150	04-DEC-20
PCB 209			102.0		%		50-150	04-DEC-20
WG3442613-1	MB							
PCB 1			0.098	M,J,R	ng/kg		6.666	04-DEC-20
PCB 2			0.071	M,J,R	ng/kg		6.666	04-DEC-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5310125								
WG3442613-1 MB								
PCB 3			0.094	J,R	ng/kg		6.666	04-DEC-20
PCB 4			<0.68	[U]	ng/kg		6.666	04-DEC-20
PCB 10			<0.41	[U]	ng/kg		6.666	04-DEC-20
PCB 9			<0.42	[U]	ng/kg		6.666	04-DEC-20
PCB 7			<0.41	[U]	ng/kg		6.666	04-DEC-20
PCB 6			<0.42	[U]	ng/kg		6.666	04-DEC-20
PCB 5			<0.45	[U]	ng/kg		6.666	04-DEC-20
PCB 8			<0.40	[U]	ng/kg		6.666	04-DEC-20
PCB 14			<0.25	[U]	ng/kg		6.666	04-DEC-20
PCB 11			1.50	J,R	ng/kg		3.333	04-DEC-20
PCB 13/12			<0.24	[U]	ng/kg		6.666	04-DEC-20
PCB 15			0.31	M,J	ng/kg		6.666	04-DEC-20
PCB 19			<0.14	[U]	ng/kg		6.666	04-DEC-20
PCB 30/18			0.33	M,J,R	ng/kg		6.666	04-DEC-20
PCB 17			<0.12	[U]	ng/kg		6.666	04-DEC-20
PCB 27			<0.088	[U]	ng/kg		6.666	04-DEC-20
PCB 24			<0.091	[U]	ng/kg		6.666	04-DEC-20
PCB 16			<0.15	[U]	ng/kg		6.666	04-DEC-20
PCB 32			<0.083	[U]	ng/kg		6.666	04-DEC-20
PCB 34			<0.11	[U]	ng/kg		6.666	04-DEC-20
PCB 23			<0.11	M,U	ng/kg		6.666	04-DEC-20
PCB 29/26			<0.11	M,U	ng/kg		6.666	04-DEC-20
PCB 25			<0.094	[U]	ng/kg		6.666	04-DEC-20
PCB 31			0.320	J,R	ng/kg		6.666	04-DEC-20
PCB 28/20			0.48	[J]	ng/kg		6.666	04-DEC-20
PCB 21/33			0.15	M,J,R	ng/kg		6.666	04-DEC-20
PCB 22			0.16	M,J,R	ng/kg		6.666	04-DEC-20
PCB 36			<0.10	[U]	ng/kg		6.666	04-DEC-20
PCB 39			<0.10	[U]	ng/kg		6.666	04-DEC-20
PCB 38			<0.11	[U]	ng/kg		6.666	04-DEC-20
PCB 35			<0.11	[U]	ng/kg		6.666	04-DEC-20
PCB 37			<0.15	M,U	ng/kg		6.666	04-DEC-20
PCB 54			<0.043	[U]	ng/kg		6.666	04-DEC-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5310125								
WG3442613-1 MB								
PCB 50/53			<0.070	[U]	ng/kg		6.666	04-DEC-20
PCB 45/51			<0.074	[U]	ng/kg		6.666	04-DEC-20
PCB 46			<0.086	[U]	ng/kg		6.666	04-DEC-20
PCB 52			0.469	M,J	ng/kg		3.333	04-DEC-20
PCB 73			<0.054	[U]	ng/kg		6.666	04-DEC-20
PCB 43			<0.090	[U]	ng/kg		6.666	04-DEC-20
PCB 69/49			0.100	J,R	ng/kg		6.666	04-DEC-20
PCB 48			<0.074	[U]	ng/kg		6.666	04-DEC-20
PCB 44/47/65			0.420	M,J,R	ng/kg		6.666	04-DEC-20
PCB 59/62/75			<0.054	[U]	ng/kg		6.666	04-DEC-20
PCB 42			<0.084	[U]	ng/kg		6.666	04-DEC-20
PCB 41/71/40			0.078	J,R	ng/kg		6.666	04-DEC-20
PCB 64			0.098	J,R	ng/kg		6.666	04-DEC-20
PCB 72			<0.070	[U]	ng/kg		6.666	04-DEC-20
PCB 68			<0.065	[U]	ng/kg		6.666	04-DEC-20
PCB 57			<0.074	[U]	ng/kg		6.666	04-DEC-20
PCB 58			<0.068	[U]	ng/kg		6.666	04-DEC-20
PCB 67			<0.061	[U]	ng/kg		6.666	04-DEC-20
PCB 63			<0.068	[U]	ng/kg		6.666	04-DEC-20
PCB 61/70/74/76			0.590	M,J,R	ng/kg		6.666	04-DEC-20
PCB 66			0.178	[J]	ng/kg		6.666	04-DEC-20
PCB 55			<0.074	[U]	ng/kg		6.666	04-DEC-20
PCB 56			<0.075	[U]	ng/kg		6.666	04-DEC-20
PCB 60			<0.072	[U]	ng/kg		6.666	04-DEC-20
PCB 80			<0.062	[U]	ng/kg		6.666	04-DEC-20
PCB 79			<0.062	[U]	ng/kg		6.666	04-DEC-20
PCB 78			<0.077	[U]	ng/kg		6.666	04-DEC-20
PCB 81			<0.085	[U]	ng/kg		6.666	04-DEC-20
PCB 77			<0.090	[U]	ng/kg		6.666	04-DEC-20
PCB 104			<0.051	[U]	ng/kg		6.666	04-DEC-20
PCB 96			<0.046	[U]	ng/kg		6.666	04-DEC-20
PCB 103			<0.065	[U]	ng/kg		6.666	04-DEC-20
PCB 94			<0.077	[U]	ng/kg		6.666	04-DEC-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5310125								
WG3442613-1 MB								
PCB 95			0.190	J,R	ng/kg		6.666	04-DEC-20
PCB 100/93/102/98			<0.071	[U]	ng/kg		6.666	04-DEC-20
PCB 88/91			<0.072	[U]	ng/kg		6.666	04-DEC-20
PCB 84			0.096	J,R	ng/kg		6.666	04-DEC-20
PCB 89			<0.081	[U]	ng/kg		6.666	04-DEC-20
PCB 121			<0.052	[U]	ng/kg		6.666	04-DEC-20
PCB 92			<0.078	[U]	ng/kg		6.666	04-DEC-20
PCB 113/90/101			0.406	[J]	ng/kg		6.666	04-DEC-20
PCB 83/99			0.250	J,R	ng/kg		6.666	04-DEC-20
PCB 112			<0.052	[U]	ng/kg		6.666	04-DEC-20
PCB 108/119/86/97/125/87			0.280	M,J,R	ng/kg		6.666	04-DEC-20
PCB 117/116/85/110/115			0.647	M,J	ng/kg		6.666	04-DEC-20
PCB 82			<0.096	[U]	ng/kg		6.666	04-DEC-20
PCB 111			<0.051	[U]	ng/kg		6.666	04-DEC-20
PCB 120			<0.048	[U]	ng/kg		6.666	04-DEC-20
PCB 107/124			<0.056	[U]	ng/kg		6.666	04-DEC-20
PCB 109			<0.048	[U]	ng/kg		6.666	04-DEC-20
PCB 123			<0.074	[U]	ng/kg		6.666	04-DEC-20
PCB 106			<0.057	[U]	ng/kg		6.666	04-DEC-20
PCB 118			0.460	[J]	ng/kg		6.666	04-DEC-20
PCB 122			<0.061	[U]	ng/kg		6.666	04-DEC-20
PCB 114			0.048	J,R	ng/kg		6.666	04-DEC-20
PCB 105			0.220	J,R	ng/kg		6.666	04-DEC-20
PCB 127			<0.054	[U]	ng/kg		6.666	04-DEC-20
PCB 126			<0.089	[U]	ng/kg		6.666	04-DEC-20
PCB 155			<0.050	[U]	ng/kg		6.666	04-DEC-20
PCB 152			<0.048	[U]	ng/kg		6.666	04-DEC-20
PCB 150			<0.050	[U]	ng/kg		6.666	04-DEC-20
PCB 136			<0.052	[U]	ng/kg		6.666	04-DEC-20
PCB 145			<0.051	[U]	ng/kg		6.666	04-DEC-20
PCB 148			<0.072	[U]	ng/kg		6.666	04-DEC-20
PCB 151/135			<0.075	[U]	ng/kg		6.666	04-DEC-20
PCB 154			<0.057	[U]	ng/kg		6.666	04-DEC-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5310125								
WG3442613-1 MB								
PCB 144			<0.073	[U]	ng/kg		6.666	04-DEC-20
PCB 147/149			0.270	J,R	ng/kg		6.666	04-DEC-20
PCB 134/143			<0.086	[U]	ng/kg		6.666	04-DEC-20
PCB 139/140			<0.069	[U]	ng/kg		6.666	04-DEC-20
PCB 131			<0.088	[U]	ng/kg		6.666	04-DEC-20
PCB 142			<0.084	[U]	ng/kg		6.666	04-DEC-20
PCB 132			0.133	[J]	ng/kg		6.666	04-DEC-20
PCB 133			<0.076	[U]	ng/kg		6.666	04-DEC-20
PCB 165			<0.057	[U]	ng/kg		6.666	04-DEC-20
PCB 146			<0.067	[U]	ng/kg		6.666	04-DEC-20
PCB 161			<0.054	[U]	ng/kg		6.666	04-DEC-20
PCB 168/153			0.093	M,J,R	ng/kg		3.333	04-DEC-20
PCB 141			<0.074	[U]	ng/kg		6.666	04-DEC-20
PCB 130			<0.089	[U]	ng/kg		6.666	04-DEC-20
PCB 137/164			<0.062	[U]	ng/kg		6.666	04-DEC-20
PCB 138/163/129			0.234	[J]	ng/kg		6.666	04-DEC-20
PCB 160			<0.052	[U]	ng/kg		6.666	04-DEC-20
PCB 158			<0.047	[U]	ng/kg		6.666	04-DEC-20
PCB 128/166			<0.062	[U]	ng/kg		6.666	04-DEC-20
PCB 159			<0.053	[U]	ng/kg		6.666	04-DEC-20
PCB 162			<0.056	[U]	ng/kg		6.666	04-DEC-20
PCB 167			<0.052	[U]	ng/kg		6.666	04-DEC-20
PCB 156/157			<0.075	[U]	ng/kg		13.334	04-DEC-20
PCB 169			<0.057	[U]	ng/kg		6.666	04-DEC-20
PCB 188			<0.047	[U]	ng/kg		6.666	04-DEC-20
PCB 179			<0.042	[U]	ng/kg		6.666	04-DEC-20
PCB 184			<0.038	[U]	ng/kg		6.666	04-DEC-20
PCB 176			<0.042	[U]	ng/kg		6.666	04-DEC-20
PCB 186			<0.043	[U]	ng/kg		6.666	04-DEC-20
PCB 178			<0.062	[U]	ng/kg		6.666	04-DEC-20
PCB 175			<0.061	[U]	ng/kg		6.666	04-DEC-20
PCB 187			<0.052	[U]	ng/kg		6.666	04-DEC-20
PCB 182			<0.056	[U]	ng/kg		6.666	04-DEC-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5310125								
WG3442613-1 MB								
PCB 183			<0.058	[U]	ng/kg		6.666	04-DEC-20
PCB 185			<0.059	[U]	ng/kg		6.666	04-DEC-20
PCB 174			<0.058	[U]	ng/kg		6.666	04-DEC-20
PCB 177			<0.063	[U]	ng/kg		6.666	04-DEC-20
PCB 181			<0.058	[U]	ng/kg		6.666	04-DEC-20
PCB 171/173			<0.065	[U]	ng/kg		6.666	04-DEC-20
PCB 172			<0.064	[U]	ng/kg		6.666	04-DEC-20
PCB 192			<0.049	[U]	ng/kg		6.666	04-DEC-20
PCB 180/193			<0.050	[U]	ng/kg		3.333	04-DEC-20
PCB 191			<0.047	[U]	ng/kg		6.666	04-DEC-20
PCB 170			<0.067	[U]	ng/kg		6.666	04-DEC-20
PCB 190			<0.040	[U]	ng/kg		6.666	04-DEC-20
PCB 189			<0.033	[U]	ng/kg		6.666	04-DEC-20
PCB 202			<0.049	[U]	ng/kg		6.666	04-DEC-20
PCB 201			<0.047	[U]	ng/kg		6.666	04-DEC-20
PCB 204			<0.046	[U]	ng/kg		6.666	04-DEC-20
PCB 197			<0.044	[U]	ng/kg		6.666	04-DEC-20
PCB 200			<0.047	[U]	ng/kg		6.666	04-DEC-20
PCB 198/199			<0.063	[U]	ng/kg		6.666	04-DEC-20
PCB 196			<0.065	[U]	ng/kg		6.666	04-DEC-20
PCB 203			<0.056	[U]	ng/kg		6.666	04-DEC-20
PCB 195			<0.063	[U]	ng/kg		6.666	04-DEC-20
PCB 194			<0.057	[U]	ng/kg		6.666	04-DEC-20
PCB 205			<0.048	[U]	ng/kg		6.666	04-DEC-20
PCB 208			<0.099	[U]	ng/kg		6.666	04-DEC-20
PCB 207			<0.092	[U]	ng/kg		6.666	04-DEC-20
PCB 206			<0.12	[U]	ng/kg		6.666	04-DEC-20
PCB 209			<0.19	[U]	ng/kg		6.666	04-DEC-20
Surrogate: 13C12 PCB 1			54.0		%		5-145	04-DEC-20
Surrogate: 13C12 PCB 3			58.0		%		5-145	04-DEC-20
Surrogate: 13C12 PCB 4			56.0		%		5-145	04-DEC-20
Surrogate: 13C12 PCB 15			51.0		%		5-145	04-DEC-20
Surrogate: 13C12 PCB 19			53.0		%		5-145	04-DEC-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5310125							
WG3442613-1 MB								
Surrogate: 13C12 PCB 37			77.0		%		5-145	04-DEC-20
Surrogate: 13C12 PCB 54			66.0		%		5-145	04-DEC-20
Surrogate: 13C12 PCB 81			81.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 77			80.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 104			61.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 123			78.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 118			77.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 114			124.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 105			82.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 126			78.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 155			50.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 167			80.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 156/157			79.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 169			89.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 188			62.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 189			87.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 202			66.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 205			85.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 208			53.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 206			77.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 209			30.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 28 Cleanup			74.0		%		5-145	04-DEC-20
Surrogate: 13C12 PCB 111 Cleanup			80.0		%		10-145	04-DEC-20
Surrogate: 13C12 PCB 178 Cleanup			80.0		%		10-145	04-DEC-20
Total MonoCB			0.263	[J]	ng/kg		13.333	04-DEC-20
Total DiCB			1.81	[J]	ng/kg		26.667	04-DEC-20
Total TriCB			1.44	[J]	ng/kg		26.667	04-DEC-20
Total TetraCB			1.93	[J]	ng/kg		53.333	04-DEC-20
Total PentaCB			2.60	[J]	ng/kg		53.333	04-DEC-20
Total HexaCB			0.730	[J]	ng/kg		53.333	04-DEC-20
Total HeptaCB			<0.033	[U]	ng/kg		26.667	04-DEC-20
Total OctaCB			<0.044	[U]	ng/kg		26.667	04-DEC-20
Total NonaCB			<0.092	[U]	ng/kg		13.333	04-DEC-20
DecaCB			<0.19	[U]	ng/kg		13.333	04-DEC-20

Quality Control Report

Workorder: L2531498

Report Date: 09-DEC-20

Page 8 of 9

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5310125								
WG3442613-1 MB								
Total PCB			8.8	[J]	ng/kg		106.667	04-DEC-20
Sample Size			15.0		g		20	04-DEC-20
Extract Final Volume			25.0		ul		50	04-DEC-20

DRAFT

Quality Control Report

Workorder: L2531498

Report Date: 09-DEC-20

Page 9 of 9

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

L2531498

Date 11/18/20 Page 1 of 1

PROJECT ID: EV2011					ANALYSIS REQUESTED												OTHER (Specify)					
REPORT TO COMPANY: ALS Environmental - Everett					NWTPH-HCID NWTPH-DX NWTPH-GX BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	ADDRESS: 8620 Holly Drive #100 Everett, WA 98208		PHONE: 425-356-2600 P.O. #:		E-MAIL: Glen.Perry@ALSglobal.com		INVOICE TO COMPANY:		ATTENTION: Same as Above		ADDRESS:		PCB Congeners 1668 Dioxin Furans 1613 NUMBER OF CONTAINERS RECEIVED IN GOOD CONDITION?				
SAMPLE I.D.	DATE	TIME	TYPE	LAB#																		
1. EV20110093-1	11/17/20	8:00	Soil																X	X	1	✓
2. EV20110093-2	11/17/20																		X	X	1	✓
3. EV20110093-3	11/17/20																		X	X	1	✓
4. EV20110111-1	11-18-20																		X	X	1	✓
5. EV20110116-1	11-18-20																		X	X	1	✓
6.																						
7.																						
8.																						
9.																						
10.																						

SPECIAL INSTRUCTIONS Please email results by 12/2/20

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: [Signature] ALS 11/18/20 2:30
 Received By: ARRA BUKTA ALS 17 Nov 2020 12:25 9.5°C
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis: 5 3 2 1 SAME DAY
 Fuels & Hydrocarbon Analysis: 5 3 1 SAME DAY
 OTHER: _____
 Specify: _____



December 15, 2020

Mr. Kyle Gebhardt
Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

Dear Mr. Gebhardt,

On November 18th, 1 sample was received by our laboratory and assigned our laboratory project number EV20110116. The project was identified as your Baywood . The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Strider Construction 4721 Northwest Dr Bellingham, WA 98226	DATE:	12/15/2020
CLIENT CONTACT:	Kyle Gebhardt	ALS JOB#:	EV20110116
CLIENT PROJECT:	Baywood	ALS SAMPLE#:	EV20110116-01
CLIENT SAMPLE ID	Type A Soil #4	DATE RECEIVED:	11/18/2020
		COLLECTION DATE:	11/18/2020 1:35:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	55 H	25	1	MG/KG	12/15/2020	JNF
TPH-Oil Range	NWTPH-DX	130 H	50	1	MG/KG	12/15/2020	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	102	12/15/2020	JNF

H - Sample analyzed outside of hold time.
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.
 Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

DATE: 12/15/2020
ALS SDG#: EV20110116
WDOE ACCREDITATION: C601

CLIENT CONTACT: Kyle Gebhardt
CLIENT PROJECT: Baywood

LABORATORY BLANK RESULTS

MB-121520S - Batch 160740 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	12/15/2020	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	12/15/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Strider Construction 4721 Northwest Dr Bellingham, WA 98226	DATE:	12/15/2020
		ALS SDG#:	EV20110116
CLIENT CONTACT:	Kyle Gebhardt	WDOE ACCREDITATION:	C601
CLIENT PROJECT:	Baywood		

LABORATORY CONTROL SAMPLE RESULTS

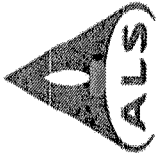
ALS Test Batch ID: 160740 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	119			75.5	122.1	12/15/2020	JNF
TPH-Diesel Range - BSD	NWTPH-DX	109	9		75.5	122.1	12/15/2020	JNF

APPROVED BY



Laboratory Director



ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV20110116

Date 11/18/20 Page 1 Of 1

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: P.O. #: E-MAIL: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED				SAMPLE I.D.	DATE	TIME	TYPE	LAB#	RECEIVED IN GOOD CONDITION?								
	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/>							Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polyyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/>	Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pb <input type="checkbox"/> TAL <input type="checkbox"/>
Baywood Strider Const Kyle Gebhardt	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		11/18/20	135	Soil	1							PCBs Congeners 1668 X Dioxin Furans 1615	1	
Elise Pot of Everitt																		

**NWTPH-Dx Requested by DHF
ASAP TAT (by 12/15 if possible)**

SPECIAL INSTRUCTIONS CC: Jon Banno + Elise

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: [Signature]
 Received By: [Signature]
 2. Relinquished By: [Signature]
 Received By: [Signature]

sub event
 Organic, Metals & Inorganic Analysis
 3 2 1
 Fuels & Hydrocarbon Analysis
 5 3 1

TURNAROUND REQUESTED in Business Days*
 OTHER: _____
 Specify: _____

*Turnaround request less than standard may incur Rush Charges



December 14, 2020

Mr. Kyle Gebhardt
Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

Dear Mr. Gebhardt,

On December 11th, 2 samples were received by our laboratory and assigned our laboratory project number EV20120073. The project was identified as your Baywood. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction DATE: 12/14/2020
4721 Northwest Dr ALS JOB#: EV20120073
Bellingham, WA 98226 ALS SAMPLE#: EV20120073-01
CLIENT CONTACT: Kyle Gebhardt DATE RECEIVED: 12/11/2020
CLIENT PROJECT: Baywood COLLECTION DATE: 11/17/2020 11:30:00 AM
CLIENT SAMPLE ID: 1 Type A Soil WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	100 H	25	1	MG/KG	12/11/2020	JNF
TPH-Oil Range	NWTPH-DX	200 H	50	1	MG/KG	12/11/2020	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	103	12/11/2020	JNF

H - Sample analyzed outside of hold time.
Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.
Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction DATE: 12/14/2020
4721 Northwest Dr ALS JOB#: EV20120073
Bellingham, WA 98226 ALS SAMPLE#: EV20120073-02
CLIENT CONTACT: Kyle Gebhardt DATE RECEIVED: 12/11/2020
CLIENT PROJECT: Baywood COLLECTION DATE: 11/17/2020 11:30:00 AM
CLIENT SAMPLE ID 2 Type A Soil WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

Table with 8 columns: ANALYTE, METHOD, RESULTS, REPORTING LIMITS, DILUTION FACTOR, UNITS, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range, TPH-Oil Range, and C25 surrogate.

H - Sample analyzed outside of hold time.
Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.
Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

DATE: 12/14/2020
ALS SDG#: EV20120073
WDOE ACCREDITATION: C601

CLIENT CONTACT: Kyle Gebhardt
CLIENT PROJECT: Baywood

LABORATORY BLANK RESULTS

MB-121120S - Batch 160660 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	12/11/2020	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	12/11/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

DATE: 12/14/2020
ALS SDG#: EV20120073
WDOE ACCREDITATION: C601

CLIENT CONTACT: Kyle Gebhardt
CLIENT PROJECT: Baywood

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 160660 - Soil by NWTPH-DX

Table with 7 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range - BS and TPH-Diesel Range - BSD.

APPROVED BY

[Handwritten signature]

Laboratory Director



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

**Chain of Custody/
 Laboratory Analysis Request**
EV20120073

ALS Job# (Laboratory Use Only)

~~EV20110093~~

Date _____ Page _____ Of _____

PROJECT ID: Baywood
 REPORT TO COMPANY: Strider Const
 PROJECT MANAGER: Kyle Gebhardt
 ADDRESS: 4721 NW DR.
Bellingham, WA 98226
 PHONE: 360 380 4234 P.O. #:
 E-MAIL: Kyle
 INVOICE TO COMPANY: Elise
 ATTENTION: Port of Everett
 ADDRESS:

ANALYSIS REQUESTED	RECEIVED IN GOOD CONDITION?			
	NUMBER OF CONTAINERS	OTHER (Specify)	DATE	PAGE
<input type="checkbox"/> NWTPH-HOLD <input checked="" type="checkbox"/> NWTPH-DX <input checked="" type="checkbox"/> NWTPH-GX <input type="checkbox"/> BTEX by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input checked="" type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM <input type="checkbox"/> PCBs by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pt Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) <u>see list</u> <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs		PCB Contaminants 1448 Drinking Water 1613 MTCAS, Cu, Ag, Zn		
1. Type A Soil	1		11/17	11:30
2. "	2		11/17	"
3. "	3		11/17	"
4.				
5.				
6.				
7.				
8.				
9.				
10.				

SPECIAL INSTRUCTIONS

CC: Jon Barnes & Pacific Topsoils. ~ Elise Groenwald a part of Everett

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: [Signature] 11/17/20 12:30 PM
 Received By: [Signature] 11/17/20 12:30 PM
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 12/11/20 OTHER:
 Specify: Kyle added dx to #1, 2
 on 1-day TAT via Dylan & Landan, Sm

Organic, Metals & Inorganic Analysis
 1 2 3 4 5
 Fuels & Hydrocarbon Analysis
 1 2 3 4 5
 Standard

*Turnaround times less than standard may incur Rush Charges

A2. Sand and Gravel Data



ALS Environmental - Everett
ATTN: Glen Perry
8620 Holly Drive, Suite 100
Everett WA 98208

Date Received: 06-NOV-20
Report Date: 16-NOV-20 13:48 (MT)
Version: FINAL

Client Phone: 425-356-2600

Certificate of Analysis

Lab Work Order #: L2526950
Project P.O. #: EV20110019
Job Reference: EV20110019
C of C Numbers:
Legal Site Desc:



Claire Kocharakkal, B.Sc.
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 1435 Norjohn Court, Unit 1, Burlington, ON, L7L 0E6 Canada | Phone: +1 905 331 3111 | Fax: +1 905 331 4567
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526950-1 EV20110019-1 Sampled By: Client on 02-NOV-20 @ 08:30 Matrix: Soil							
Miscellaneous Parameters							
% Moisture	3.58		0.10	%	07-NOV-20	09-NOV-20	R5282817
PCB Congeners short run SPB-Octyl Column							
PCB 1	<0.12	[U]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 2	0.63	J,R	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 3	0.460	J,R	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 4	<2.4	[U]	2.4	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 10	<1.2	[U]	1.2	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 9	<1.2	[U]	1.2	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 7	<1.1	[U]	1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 6	<1.2	[U]	1.2	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 5	<1.3	[U]	1.3	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 8	<1.1	[U]	1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 14	<0.28	[U]	0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 11	32.5		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 13/12	<0.27	[U]	0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 15	<0.26	[U]	0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 19	<0.28	[U]	0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 30/18	<0.17	[U]	0.17	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 17	<0.19	[U]	0.19	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 27	<0.14	[U]	0.14	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 24	<0.15	[U]	0.15	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 16	<0.24	[U]	0.24	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 32	<0.13	[U]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 34	<0.20	[U]	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 23	<0.18	[U]	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 29/26	<0.18	[U]	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 25	<0.17	[U]	0.17	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 31	0.35	M,J,R	0.17	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 28/20	0.52	M,J	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 21/33	0.26	M,J	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 22	<0.18	[U]	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 36	<0.17	[U]	0.17	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 39	<0.17	[U]	0.17	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 38	<0.19	[U]	0.19	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 35	<0.19	[U]	0.19	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 37	0.31	M,J,R	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 54	<0.067	[U]	0.067	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 50/53	<0.095	[U]	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 45/51	<0.098	[U]	0.098	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 46	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 52	1.14	[J]	0.099	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 73	<0.071	[U]	0.071	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 43	<0.12	[U]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 69/49	0.300	J,R	0.086	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 48	<0.095	[U]	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 44/47/65	0.680	M,J,R	0.089	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 59/62/75	<0.072	[U]	0.072	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 42	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 41/71/40	0.216	M,J	0.096	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 64	0.278	[J]	0.072	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 72	<0.082	[U]	0.082	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526950-1 EV20110019-1							
Sampled By: Client on 02-NOV-20 @ 08:30							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 68	<0.076	[U]	0.076	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 57	<0.085	[U]	0.085	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 58	<0.080	[U]	0.080	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 67	<0.073	[U]	0.073	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 63	<0.079	[U]	0.079	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 61/70/74/76	1.11	J,B	0.082	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 66	0.446	J,B	0.078	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 55	<0.084	[U]	0.084	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 56	0.150	J,R	0.085	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 60	<0.083	[U]	0.083	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 80	<0.071	[U]	0.071	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 79	<0.074	[U]	0.074	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 78	<0.088	[U]	0.088	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 81	<0.091	[U]	0.091	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 77	0.134	M,J	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 104	<0.091	[U]	0.091	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 96	<0.092	[U]	0.092	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 103	<0.097	[U]	0.097	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 94	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 95	1.94	M,J	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 100/93/102/98	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 88/91	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 84	0.61	J,R	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 89	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 121	<0.076	[U]	0.076	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 92	0.34	M,J	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 113/90/101	1.97	[J]	0.091	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 83/99	1.08	[J]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 112	<0.075	[U]	0.075	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 108/119/86/97/125/87	1.42	M,J	0.091	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 117/116/85/110/115	3.80	M	0.083	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 82	0.21	[J]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 111	<0.075	[U]	0.075	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 120	<0.070	[U]	0.070	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 107/124	<0.10	M,U	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 109	<0.099	[U]	0.099	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 123	<0.12	[U]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 106	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 118	1.87	[J]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 122	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 114	<0.12	[U]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 105	0.82	J,R	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 127	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 126	<0.13	[U]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 155	<0.038	[U]	0.038	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 152	<0.050	[U]	0.050	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 150	<0.048	[U]	0.048	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 136	0.380	[J]	0.050	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 145	<0.050	[U]	0.050	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 148	<0.066	[U]	0.066	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 151/135	0.833	[J]	0.067	ng/kg	07-NOV-20	15-NOV-20	R5285969

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526950-1 EV20110019-1							
Sampled By: Client on 02-NOV-20 @ 08:30							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 154	<0.055	[U]	0.055	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 144	<0.066	[U]	0.066	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 147/149	2.08	[J]	0.094	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 134/143	0.18	M,J,R	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 139/140	<0.094	[U]	0.094	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 131	<0.12	[U]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 142	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 132	0.99	[J]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 133	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 165	<0.078	[U]	0.078	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 146	0.362	[J]	0.086	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 161	<0.076	[U]	0.076	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 168/153	2.20	[J]	0.077	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 141	0.410	[J]	0.098	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 130	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 137/164	0.394	M,J	0.083	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 138/163/129	3.47		0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 160	<0.067	[U]	0.067	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 158	0.329	[J]	0.065	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 128/166	0.440	M,J,R	0.085	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 159	<0.071	[U]	0.071	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 162	<0.073	[U]	0.073	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 167	<0.078	[U]	0.078	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 156/157	0.49	M,J	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 169	<0.095	[U]	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 188	<0.071	[U]	0.071	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 179	0.310	J,R	0.076	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 184	<0.070	[U]	0.070	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 176	<0.077	[U]	0.077	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 186	<0.077	[U]	0.077	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 178	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 175	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 187	0.880	[J]	0.091	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 182	<0.096	[U]	0.096	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 183	0.442	[J]	0.097	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 185	<0.098	[U]	0.098	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 174	0.63	[J]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 177	0.44	[J]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 181	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 171/173	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 172	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 192	<0.083	[U]	0.083	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 180/193	1.58	M,J	0.087	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 191	<0.079	[U]	0.079	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 170	0.58	M,J	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 190	0.130	M,J,R	0.073	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 189	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 202	0.140	J,R	0.072	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 201	0.094	J,R	0.086	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 204	<0.087	[U]	0.087	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 197	0.095	J,R	0.082	ng/kg	07-NOV-20	15-NOV-20	R5285969

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526950-1 EV20110019-1							
Sampled By: Client on 02-NOV-20 @ 08:30							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 200	<0.088	[U]	0.088	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 198/199	0.76	[J]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 196	0.21	[J]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 203	0.36	J,R	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 195	0.147	M,J	0.087	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 194	0.496	M,J	0.081	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 205	<0.094	[U]	0.094	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 208	0.21	[J]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 207	<0.13	[U]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 206	0.67	M,J,R	0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 209	0.542	[J]	0.060	ng/kg	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 1	35.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 3	42.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 4	43.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 15	48.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 19	51.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 37	61.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 54	57.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 81	62.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 77	58.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 104	66.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 123	56.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 118	56.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 114	55.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 105	56.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 126	53.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 155	61.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 167	64.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 156/157	62.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 169	60.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 188	65.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 189	57.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 202	81.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 205	74.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 208	66.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 206	75.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 209	83.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 28 Cleanup	60.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 111 Cleanup	68.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 178 Cleanup	78.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Total MonoCB	1.09	[J]	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total DiCB	32.5	[J]	0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total TriCB	1.44	[J]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total TetraCB	4.45	[J]	0.067	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total PentaCB	14.1	[J]	0.070	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total HexaCB	12.6	[J]	0.038	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total HeptaCB	4.99	[J]	0.070	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total OctaCB	2.30	[J]	0.072	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total NonaCB	0.88	[J]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
DecaCB	0.542	[J]	0.060	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total PCB	74.8	[J]	1.0	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526950-1 EV20110019-1							
Sampled By: Client on 02-NOV-20 @ 08:30							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
Lower Bound PCB TEQ (WHO 2005)	0.0000841			pg/g	07-NOV-20	15-NOV-20	R5285969
Upper Bound PCB TEQ (WHO 2005)	0.0160			pg/g	07-NOV-20	15-NOV-20	R5285969
Sample Size	19.7		0.010	g	07-NOV-20	15-NOV-20	R5285969
Extract Final Volume	25.0		0.10	ul	07-NOV-20	15-NOV-20	R5285969
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	<0.038	[U]	0.038	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,7,8-PeCDD	<0.028	[U]	0.028	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,4,7,8-HxCDD	<0.056	[U]	0.056	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,6,7,8-HxCDD	<0.054	[U]	0.054	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,7,8,9-HxCDD	<0.057	[U]	0.057	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,4,6,7,8-HpCDD	0.860	J,R	0.019	pg/g	07-NOV-20	14-NOV-20	R5285969
OCDD	11.6		0.058	pg/g	07-NOV-20	14-NOV-20	R5285969
2,3,7,8-TCDF	<0.027	[U]	0.027	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,7,8-PeCDF	<0.027	M,U	0.027	pg/g	07-NOV-20	14-NOV-20	R5285969
2,3,4,7,8-PeCDF	0.063	[J]	0.023	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,4,7,8-HxCDF	<0.029	[U]	0.029	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,6,7,8-HxCDF	<0.028	[U]	0.028	pg/g	07-NOV-20	14-NOV-20	R5285969
2,3,4,6,7,8-HxCDF	<0.029	[U]	0.029	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,7,8,9-HxCDF	<0.038	[U]	0.038	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,4,6,7,8-HpCDF	0.190	M,J,R	0.023	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,4,7,8,9-HpCDF	<0.036	M,U	0.036	pg/g	07-NOV-20	14-NOV-20	R5285969
OCDF	0.627	[J]	0.020	pg/g	07-NOV-20	14-NOV-20	R5285969
Total-TCDD	<0.038	[U]	0.038	pg/g	07-NOV-20	14-NOV-20	R5285969
Total TCDD # Homologues	0				07-NOV-20	14-NOV-20	R5285969
Total-PeCDD	<0.028	[U]	0.028	pg/g	07-NOV-20	14-NOV-20	R5285969
Total PeCDD # Homologues	0				07-NOV-20	14-NOV-20	R5285969
Total-HxCDD	0.559		0.057	pg/g	07-NOV-20	14-NOV-20	R5285969
Total HxCDD # Homologues	2				07-NOV-20	14-NOV-20	R5285969
Total-HpCDD	<0.019	[U]	0.019	pg/g	07-NOV-20	14-NOV-20	R5285969
Total HpCDD # Homologues	0				07-NOV-20	14-NOV-20	R5285969
Total-TCDF	0.083		0.027	pg/g	07-NOV-20	14-NOV-20	R5285969
Total TCDF # Homologues	2				07-NOV-20	14-NOV-20	R5285969
Total-PeCDF	0.224		0.027	pg/g	07-NOV-20	14-NOV-20	R5285969
Total PeCDF # Homologues	3				07-NOV-20	14-NOV-20	R5285969
Total-HxCDF	<0.038	[U]	0.038	pg/g	07-NOV-20	14-NOV-20	R5285969
Total HxCDF # Homologues	0				07-NOV-20	14-NOV-20	R5285969
Total-HpCDF	<0.036	[U]	0.036	pg/g	07-NOV-20	14-NOV-20	R5285969
Total HpCDF # Homologues	0				07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-2,3,7,8-TCDD	64.0		25-164	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8-PeCDD	59.0		25-181	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	69.0		32-141	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	64.0		28-130	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	66.0		23-140	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-OCDD	66.0		17-157	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-2,3,7,8-TCDF	65.0		24-169	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8-PeCDF	59.0		24-185	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-2,3,4,7,8-PeCDF	60.0		21-178	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	67.0		26-152	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	66.0		26-123	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	68.0		29-147	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	63.0		28-136	%	07-NOV-20	14-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J,B	The analyte was detected below the calibrated range but above the EDL, and was detected in the Method Blank at >10% of the sample concentration.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M	A peak has been manually integrated.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DX-1613B-HRMS-BU	Soil	Dioxins and Furans HR 1613B	USEPA 1613B
Samples are extracted by Soxhlet. The extracts are prepared using column chromatography, reduced in volume and analyzed by isotope-dilution GC/HRMS			
MOISTURE-BU	Soil	% Moisture	CCME PHC in Soil - Tier 1 (mod)
This method is used to determine the percent moisture in a sample. Samples are homogenized, moisture is removed by heating at 105°C until constant mass is achieved. The residues are measured gravimetrically and the difference in weight between the wet sample and the dried sample is used to determine the moisture content. This percent moisture can be used, in conjunction with analytical results, to report data on a dry weight basis.			
PCB-1668-OC2-HRMS-BU	Soil	PCB Congeners short run SPB-Octyl Column	EPA 1668A

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample
 mg/kg wwt - milligrams per kilogram based on wet weight of sample
 mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
 mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



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Client: ALS Environmental - Everett
 8620 Holly Drive, Suite 100
 Everett WA 98208

Contact: Glen Perry

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5285969							
WG3440837-2 LCS								
2,3,7,8-TCDD			89.0		%		67-158	13-NOV-20
1,2,3,7,8-PeCDD			103.0		%		70-142	13-NOV-20
1,2,3,4,7,8-HxCDD			97.0		%		70-164	13-NOV-20
1,2,3,6,7,8-HxCDD			96.0		%		76-134	13-NOV-20
1,2,3,7,8,9-HxCDD			103.0		%		64-162	13-NOV-20
1,2,3,4,6,7,8-HpCDD			94.0		%		70-140	13-NOV-20
OCDD			95.0		%		78-144	13-NOV-20
2,3,7,8-TCDF			97.0		%		75-158	13-NOV-20
1,2,3,7,8-PeCDF			98.0		%		80-134	13-NOV-20
2,3,4,7,8-PeCDF			89.0		%		68-160	13-NOV-20
1,2,3,4,7,8-HxCDF			95.0		%		72-134	13-NOV-20
1,2,3,6,7,8-HxCDF			96.0		%		84-130	13-NOV-20
2,3,4,6,7,8-HxCDF			96.0		%		70-156	13-NOV-20
1,2,3,7,8,9-HxCDF			99.0		%		78-130	13-NOV-20
1,2,3,4,6,7,8-HpCDF			101.0		%		82-122	13-NOV-20
1,2,3,4,7,8,9-HpCDF			99.0		%		78-138	13-NOV-20
OCDF			87.0		%		63-170	13-NOV-20
WG3440837-1 MB								
2,3,7,8-TCDD			<0.027	[U]	pg/g		0.027	13-NOV-20
1,2,3,7,8-PeCDD			<0.012	[U]	pg/g		0.012	13-NOV-20
1,2,3,4,7,8-HxCDD			<0.019	[U]	pg/g		0.019	13-NOV-20
1,2,3,6,7,8-HxCDD			0.029	M,J,R	pg/g		0.018	13-NOV-20
1,2,3,7,8,9-HxCDD			<0.019	M,J,R	pg/g		0.019	13-NOV-20
1,2,3,4,6,7,8-HpCDD			<0.017	[U]	pg/g		0.017	13-NOV-20
OCDD			0.300	M,J,R	pg/g		0.02	13-NOV-20
2,3,7,8-TCDF			<0.015	[U]	pg/g		0.015	13-NOV-20
1,2,3,7,8-PeCDF			<0.016	[U]	pg/g		0.016	13-NOV-20
2,3,4,7,8-PeCDF			<0.014	[U]	pg/g		0.014	13-NOV-20
1,2,3,4,7,8-HxCDF			<0.0088	[U]	pg/g		0.0088	13-NOV-20
1,2,3,6,7,8-HxCDF			<0.0089	[U]	pg/g		0.0089	13-NOV-20
2,3,4,6,7,8-HxCDF			<0.0086	[U]	pg/g		0.0086	13-NOV-20
1,2,3,7,8,9-HxCDF			0.037	[J]	pg/g		0.011	13-NOV-20
1,2,3,4,6,7,8-HpCDF			0.0480	[J]	pg/g		0.0085	13-NOV-20
1,2,3,4,7,8,9-HpCDF			<0.012	[U]	pg/g		0.012	13-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5285969							
WG3440837-1	MB							
OCDF			0.200	M,J,R	pg/g		0.028	13-NOV-20
Total-TCDD			<0.027	[U]	pg/g		0.027	13-NOV-20
Total-PeCDD			<0.012	[U]	pg/g		0.012	13-NOV-20
Total-HxCDD			<0.019	[U]	pg/g		0.019	13-NOV-20
Total-HpCDD			<0.017	[U]	pg/g		0.017	13-NOV-20
Total-TCDF			<0.015	[U]	pg/g		0.015	13-NOV-20
Total-PeCDF			<0.016	[U]	pg/g		0.016	13-NOV-20
Total-HxCDF			0.037	A	pg/g		0.011	13-NOV-20
Total-HpCDF			0.048	A	pg/g		0.012	13-NOV-20
Surrogate: 13C12-2,3,7,8-TCDD			68.0		%		25-164	13-NOV-20
Surrogate: 13C12-1,2,3,7,8-PeCDD			67.0		%		25-181	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8-HxCDD			75.0		%		32-141	13-NOV-20
Surrogate: 13C12-1,2,3,6,7,8-HxCDD			75.0		%		28-130	13-NOV-20
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD			75.0		%		23-140	13-NOV-20
Surrogate: 13C12-OCDD			75.0		%		17-157	13-NOV-20
Surrogate: 13C12-2,3,7,8-TCDF			70.0		%		24-169	13-NOV-20
Surrogate: 13C12-1,2,3,7,8-PeCDF			66.0		%		24-185	13-NOV-20
Surrogate: 13C12-2,3,4,7,8-PeCDF			67.0		%		21-178	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8-HxCDF			71.0		%		26-152	13-NOV-20
Surrogate: 13C12-1,2,3,6,7,8-HxCDF			74.0		%		26-123	13-NOV-20
Surrogate: 13C12-2,3,4,6,7,8-HxCDF			73.0		%		29-147	13-NOV-20
Surrogate: 13C12-1,2,3,7,8,9-HxCDF			72.0		%		28-136	13-NOV-20
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF			73.0		%		28-143	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF			66.0		%		26-138	13-NOV-20
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)			64.0		%		35-197	13-NOV-20

COMMENTS: There were low levels of select targets detected in the method blank that were within the reference method control limits.

MOISTURE-BU **Soil**

Batch **R5282817**

WG3440849-2 **LCS**

% Moisture	99.3	%	90-110	09-NOV-20
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WG3440849-1 **MB**

% Moisture	<0.10	%	0.3	09-NOV-20
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PCB-1668-OC2-HRMS-BU **Soil**

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-2	LCS							
PCB 1			95.0		%		50-150	15-NOV-20
PCB 3			94.0		%		50-150	15-NOV-20
PCB 4			114.0		%		50-150	15-NOV-20
PCB 15			98.0		%		50-150	15-NOV-20
PCB 19			108.0		%		50-150	15-NOV-20
PCB 37			100.0		%		50-150	15-NOV-20
PCB 54			109.0		%		50-150	15-NOV-20
PCB 81			98.0		%		50-150	15-NOV-20
PCB 77			98.0		%		50-150	15-NOV-20
PCB 104			97.0		%		50-150	15-NOV-20
PCB 123			97.0		%		50-150	15-NOV-20
PCB 118			96.0		%		50-150	15-NOV-20
PCB 114			95.0		%		50-150	15-NOV-20
PCB 105			97.0		%		50-150	15-NOV-20
PCB 126			97.0		%		50-150	15-NOV-20
PCB 155			100.0		%		50-150	15-NOV-20
PCB 167			102.0		%		50-150	15-NOV-20
PCB 156/157			102.0		%		50-150	15-NOV-20
PCB 169			103.0		%		50-150	15-NOV-20
PCB 188			99.0		%		50-150	15-NOV-20
PCB 189			99.0		%		50-150	15-NOV-20
PCB 202			106.0		%		50-150	15-NOV-20
PCB 205			95.0		%		50-150	15-NOV-20
PCB 208			96.0		%		50-150	15-NOV-20
PCB 206			97.0		%		50-150	15-NOV-20
PCB 209			112.0		%		50-150	15-NOV-20
WG3440837-1 MB								
PCB 1			<0.080	[U]	ng/kg		5.882	15-NOV-20
PCB 2			0.088	M,J,R	ng/kg		5.882	15-NOV-20
PCB 3			0.094	[J]	ng/kg		5.882	15-NOV-20
PCB 4			<1.8	[U]	ng/kg		5.882	15-NOV-20
PCB 10			<0.77	[U]	ng/kg		5.882	15-NOV-20
PCB 9			<0.76	[U]	ng/kg		5.882	15-NOV-20
PCB 7			<0.74	[U]	ng/kg		5.882	15-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 6			<0.76	[U]	ng/kg		5.882	15-NOV-20
PCB 5			<0.82	[U]	ng/kg		5.882	15-NOV-20
PCB 8			<0.73	[U]	ng/kg		5.882	15-NOV-20
PCB 14			<0.21	[U]	ng/kg		5.882	15-NOV-20
PCB 11			1.95	[J]	ng/kg		2.941	15-NOV-20
PCB 13/12			<0.21	[U]	ng/kg		5.882	15-NOV-20
PCB 15			<0.17	[U]	ng/kg		5.882	15-NOV-20
PCB 19			<0.16	[U]	ng/kg		5.882	15-NOV-20
PCB 30/18			0.170	M,J,R	ng/kg		5.882	15-NOV-20
PCB 17			0.166	[J]	ng/kg		5.882	15-NOV-20
PCB 27			<0.061	[U]	ng/kg		5.882	15-NOV-20
PCB 24			<0.063	[U]	ng/kg		5.882	15-NOV-20
PCB 16			<0.10	[U]	ng/kg		5.882	15-NOV-20
PCB 32			<0.057	[U]	ng/kg		5.882	15-NOV-20
PCB 34			<0.076	[U]	ng/kg		5.882	15-NOV-20
PCB 23			<0.072	[U]	ng/kg		5.882	15-NOV-20
PCB 29/26			<0.071	[U]	ng/kg		5.882	15-NOV-20
PCB 25			<0.066	[U]	ng/kg		5.882	15-NOV-20
PCB 31			0.270	J,R	ng/kg		5.882	15-NOV-20
PCB 28/20			0.310	J,R	ng/kg		5.882	15-NOV-20
PCB 21/33			0.230	J,R	ng/kg		5.882	15-NOV-20
PCB 22			0.119	[J]	ng/kg		5.882	15-NOV-20
PCB 36			<0.065	[U]	ng/kg		5.882	15-NOV-20
PCB 39			<0.067	[U]	ng/kg		5.882	15-NOV-20
PCB 38			<0.076	[U]	ng/kg		5.882	15-NOV-20
PCB 35			<0.073	[U]	ng/kg		5.882	15-NOV-20
PCB 37			0.140	M,J,R	ng/kg		5.882	15-NOV-20
PCB 54			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 50/53			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 45/51			0.054	M,J,R	ng/kg		5.882	15-NOV-20
PCB 46			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 52			0.260	J,R	ng/kg		2.941	15-NOV-20
PCB 73			<0.022	[U]	ng/kg		5.882	15-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 43			<0.036	[U]	ng/kg		5.882	15-NOV-20
PCB 69/49			0.120	J,R	ng/kg		5.882	15-NOV-20
PCB 48			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 44/47/65			0.395	M,J	ng/kg		5.882	15-NOV-20
PCB 59/62/75			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 42			0.050	J,R	ng/kg		5.882	15-NOV-20
PCB 41/71/40			0.066	J,R	ng/kg		5.882	15-NOV-20
PCB 64			0.079	J,R	ng/kg		5.882	15-NOV-20
PCB 72			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 68			0.046	[J]	ng/kg		5.882	15-NOV-20
PCB 57			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 58			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 67			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 63			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 61/70/74/76			0.265	[J]	ng/kg		5.882	15-NOV-20
PCB 66			0.118	[J]	ng/kg		5.882	15-NOV-20
PCB 55			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 56			0.055	[J]	ng/kg		5.882	15-NOV-20
PCB 60			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 80			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 79			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 78			<0.027	[U]	ng/kg		5.882	15-NOV-20
PCB 81			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 77			<0.028	M,U	ng/kg		5.882	15-NOV-20
PCB 104			<0.030	[U]	ng/kg		5.882	15-NOV-20
PCB 96			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 103			<0.043	[U]	ng/kg		5.882	15-NOV-20
PCB 94			<0.049	[U]	ng/kg		5.882	15-NOV-20
PCB 95			0.154	[J]	ng/kg		5.882	15-NOV-20
PCB 100/93/102/98			<0.046	[U]	ng/kg		5.882	15-NOV-20
PCB 88/91			<0.047	[U]	ng/kg		5.882	15-NOV-20
PCB 84			<0.052	[U]	ng/kg		5.882	15-NOV-20
PCB 89			<0.051	[U]	ng/kg		5.882	15-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 121			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 92			<0.048	[U]	ng/kg		5.882	15-NOV-20
PCB 113/90/101			0.169	[J]	ng/kg		5.882	15-NOV-20
PCB 83/99			<0.047	[U]	ng/kg		5.882	15-NOV-20
PCB 112			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 108/119/86/97/125/87			0.133	M,J	ng/kg		5.882	15-NOV-20
PCB 117/116/85/110/115			0.255	M,J	ng/kg		5.882	15-NOV-20
PCB 82			<0.057	[U]	ng/kg		5.882	15-NOV-20
PCB 111			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 120			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 107/124			<0.032	[U]	ng/kg		5.882	15-NOV-20
PCB 109			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 123			<0.036	[U]	ng/kg		5.882	15-NOV-20
PCB 106			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 118			0.133	[J]	ng/kg		5.882	15-NOV-20
PCB 122			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 114			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 105			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 127			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 126			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 155			<0.028	[U]	ng/kg		5.882	15-NOV-20
PCB 152			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 150			<0.017	[U]	ng/kg		5.882	15-NOV-20
PCB 136			<0.018	M,U	ng/kg		5.882	15-NOV-20
PCB 145			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 148			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 151/135			0.039	M,J	ng/kg		5.882	15-NOV-20
PCB 154			<0.020	[U]	ng/kg		5.882	15-NOV-20
PCB 144			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 147/149			0.127	[J]	ng/kg		5.882	15-NOV-20
PCB 134/143			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 139/140			<0.021	[U]	ng/kg		5.882	15-NOV-20
PCB 131			<0.026	[U]	ng/kg		5.882	15-NOV-20

Quality Control Report

Workorder: L2526950

Report Date: 16-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 142			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 132			0.039	M,J,R	ng/kg		5.882	15-NOV-20
PCB 133			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 165			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 146			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 161			<0.017	[U]	ng/kg		5.882	15-NOV-20
PCB 168/153			0.111	[J]	ng/kg		2.941	15-NOV-20
PCB 141			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 130			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 137/164			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 138/163/129			0.172	[J]	ng/kg		5.882	15-NOV-20
PCB 160			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 158			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 128/166			0.026	M,J,R	ng/kg		5.882	15-NOV-20
PCB 159			<0.016	[U]	ng/kg		5.882	15-NOV-20
PCB 162			<0.016	[U]	ng/kg		5.882	15-NOV-20
PCB 167			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 156/157			0.039	[J]	ng/kg		11.764	15-NOV-20
PCB 169			<0.016	M,U	ng/kg		5.882	15-NOV-20
PCB 188			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 179			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 184			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 176			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 186			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 178			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 175			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 187			0.071	[J]	ng/kg		5.882	15-NOV-20
PCB 182			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 183			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 185			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 174			0.044	J,R	ng/kg		5.882	15-NOV-20
PCB 177			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 181			<0.035	[U]	ng/kg		5.882	15-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 171/173			<0.038	[U]	ng/kg		5.882	15-NOV-20
PCB 172			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 192			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 180/193			0.148	[J]	ng/kg		2.941	15-NOV-20
PCB 191			<0.027	[U]	ng/kg		5.882	15-NOV-20
PCB 170			<0.039	M,J,R	ng/kg		5.882	15-NOV-20
PCB 190			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 189			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 202			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 201			0.015	[J]	ng/kg		5.882	15-NOV-20
PCB 204			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 197			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 200			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 198/199			0.066	J,R	ng/kg		5.882	15-NOV-20
PCB 196			0.031	M,J,R	ng/kg		5.882	15-NOV-20
PCB 203			0.041	J,R	ng/kg		5.882	15-NOV-20
PCB 195			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 194			0.110	M,J,R	ng/kg		5.882	15-NOV-20
PCB 205			<0.011	[U]	ng/kg		5.882	15-NOV-20
PCB 208			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 207			<0.021	[U]	ng/kg		5.882	15-NOV-20
PCB 206			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 209			<0.021	[U]	ng/kg		5.882	15-NOV-20
Surrogate: 13C12 PCB 1			22.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 3			37.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 4			43.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 15			46.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 19			45.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 37			58.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 54			53.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 81			64.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 77			61.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 104			61.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 123			63.0		%		10-145	15-NOV-20



Quality Control Report

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-1 MB								
Surrogate: 13C12 PCB 118			64.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 114			66.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 105			67.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 126			65.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 155			32.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 167			68.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 156/157			70.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 169			76.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 188			38.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 189			78.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 202			57.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 205			76.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 208			36.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 206			73.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 209			50.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 28 Cleanup			58.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 111 Cleanup			66.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 178 Cleanup			74.0		%		10-145	15-NOV-20
Total MonoCB			0.182	[J]	ng/kg		11.765	15-NOV-20
Total DiCB			1.95	[J]	ng/kg		23.529	15-NOV-20
Total TriCB			1.41	[J]	ng/kg		23.529	15-NOV-20
Total TetraCB			1.51	[J]	ng/kg		47.059	15-NOV-20
Total PentaCB			0.844	[J]	ng/kg		47.059	15-NOV-20
Total HexaCB			0.553	[J]	ng/kg		47.059	15-NOV-20
Total HeptaCB			0.263	[J]	ng/kg		23.529	15-NOV-20
Total OctaCB			0.263	[J]	ng/kg		23.529	15-NOV-20
Total NonaCB			<0.021	[U]	ng/kg		11.765	15-NOV-20
DecaCB			<0.021	[U]	ng/kg		11.765	15-NOV-20
Total PCB			7.0	[J]	ng/kg		94.118	15-NOV-20
Sample Size			17.0		g		25	15-NOV-20
Extract Final Volume			25.0		ul		50	15-NOV-20

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Workorder: L2526950

Report Date: 16-NOV-20

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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

L2526950

Date 11/5/20 Page 1 Of 1

PROJECT ID: <u>EV20110019</u>					ANALYSIS REQUESTED												OTHER (Specify)			
REPORT TO COMPANY: <u>ALS Everett</u>					<input type="checkbox"/> NWTPH-HCID <input type="checkbox"/> NWTPH-DX <input type="checkbox"/> NWTPH-GX <input type="checkbox"/> BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM <input type="checkbox"/> PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> PFI Pol <input type="checkbox"/> TAL <input type="checkbox"/> <input type="checkbox"/> Metals Other (Specify) <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	ADDRESS: <u>8620 Holly Drive #100</u> <u>Everett, WA 98208</u>		PHONE: <u>425 356 2600</u> P.O. #: <u>EV20110019</u>		E-MAIL: <u>Glen.Perry@alsglobal.com</u>		INVOICE TO COMPANY:		ATTENTION: <u>Same as Above</u>		ADDRESS:		<input checked="" type="checkbox"/> PCB Congeners <u>1605/1615A</u> <input checked="" type="checkbox"/> Dioxin Furans <u>1613</u>		NUMBER OF CONTAINERS RECEIVED IN GOOD CONDITION?
SAMPLE I.D.	DATE	TIME	TYPE	LAB#																
<u>1. EV20110019-1</u>	<u>11/2/20</u>	<u>8:30</u>	<u>Soil</u>															<u>X</u>	<u>X</u>	
2.																				
3.																				
4.																				
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				

SPECIAL INSTRUCTIONS

Rush 5 day TAT by 11/16 if possible

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: [Signature] ALS 11/5/20 11:20 AM
 Received By: ARON BURTON 6-NOV-2020 13:50 9.0°C
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis
 10 Standard 3 2 1 SAME DAY
 Fuels & Hydrocarbon Analysis
 5 Standard 3 1 SAME DAY

OTHER: _____
 Specify: _____

*Turnaround request less than standard may incur Rush Charges



November 11, 2020

Mr. Mike Bursey
Granite Construction Co.
1525 E. Marine View Dr.
Everett, WA 98201

Dear Mr. Bursey,

On November 5th, 1 sample was received by our laboratory and assigned our laboratory project number EV20110019. The project was identified as your Port of Everett. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Granite Construction Co. 1525 E. Marine View Dr. Everett, WA 98201	DATE:	11/11/2020
CLIENT CONTACT:	Mike Bursey	ALS JOB#:	EV20110019
CLIENT PROJECT:	Port of Everett	ALS SAMPLE#:	EV20110019-01
CLIENT SAMPLE ID	Port Everett	DATE RECEIVED:	11/05/2020
		COLLECTION DATE:	11/2/2020 8:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Mercury	EPA-7471	0.028	0.020	1	MG/KG	11/05/2020	RAL
Arsenic	EPA-6020	3.8	0.20	1	MG/KG	11/05/2020	RAL
Cadmium	EPA-6020	0.12	0.10	1	MG/KG	11/05/2020	RAL
Chromium	EPA-6020	25	0.10	1	MG/KG	11/05/2020	RAL
Copper	EPA-6020	24	0.20	1	MG/KG	11/05/2020	RAL
Lead	EPA-6020	2.8	0.10	1	MG/KG	11/05/2020	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	11/05/2020	RAL
Zinc	EPA-6020	38	0.50	1	MG/KG	11/05/2020	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
Terphenyl-d14	EPA-8270 SIM	83.2	11/09/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Granite Construction Co. DATE: 11/11/2020
 1525 E. Marine View Dr. ALS SDG#: EV20110019
 Everett, WA 98201 WDOE ACCREDITATION: C601

CLIENT CONTACT: Mike Bursey
 CLIENT PROJECT: Port of Everett

LABORATORY BLANK RESULTS

MB-110620S - Batch 159461 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK

SUR09 - One or more surrogate recoveries were above the upper control limits. No target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes.

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R372380 - Batch R372380 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	11/05/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-110520S - Batch 159314 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	11/05/2020	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	11/05/2020	RAL
Chromium	EPA-6020	U	MG/KG	0.10	11/05/2020	RAL
Copper	EPA-6020	U	MG/KG	0.20	11/05/2020	RAL
Lead	EPA-6020	U	MG/KG	0.10	11/05/2020	RAL
Silver	EPA-6020	U	MG/KG	0.10	11/05/2020	RAL
Zinc	EPA-6020	U	MG/KG	0.88	11/05/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Granite Construction Co.
1525 E. Marine View Dr.
Everett, WA 98201

DATE: 11/11/2020
ALS SDG#: EV20110019
WDOE ACCREDITATION: C601

CLIENT CONTACT: Mike Bursey
CLIENT PROJECT: Port of Everett

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 159461 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	92.7			20	150	11/09/2020	JMK
Naphthalene - BSD	EPA-8270 SIM	95.4	3		20	150	11/09/2020	JMK
Benzo[A]Anthracene - BS	EPA-8270 SIM	74.0			20	150	11/09/2020	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	75.7	2		20	150	11/09/2020	JMK
Chrysene - BS	EPA-8270 SIM	79.0			20	150	11/09/2020	JMK
Chrysene - BSD	EPA-8270 SIM	94.9	18		20	150	11/09/2020	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	81.1			20	150	11/09/2020	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	82.1	1		20	150	11/09/2020	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	92.5			20	150	11/09/2020	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	99.1	7		20	150	11/09/2020	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	66.6			20	150	11/09/2020	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	68.8	3		20	150	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	88.3			20	150	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	89.9	2		20	150	11/09/2020	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	84.8			20	150	11/09/2020	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	85.6	1		20	150	11/09/2020	JMK
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	93.8			20	150	11/09/2020	JMK
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	98.8	5		20	150	11/09/2020	JMK

ALS Test Batch ID: R372380 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	109			81.8	117	11/05/2020	RAL
Mercury - BSD	EPA-7471	109	0		81.8	117	11/05/2020	RAL

ALS Test Batch ID: 159314 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	91.6			80	120	11/05/2020	RAL
Arsenic - BSD	EPA-6020	97.1	6		80	120	11/05/2020	RAL
Cadmium - BS	EPA-6020	96.5			80	120	11/05/2020	RAL
Cadmium - BSD	EPA-6020	103	7		80	120	11/05/2020	RAL
Chromium - BS	EPA-6020	93.1			80	120	11/05/2020	RAL
Chromium - BSD	EPA-6020	99.2	6		80	120	11/05/2020	RAL
Copper - BS	EPA-6020	98.0			80	120	11/05/2020	RAL
Copper - BSD	EPA-6020	103	5		80	120	11/05/2020	RAL
Lead - BS	EPA-6020	92.4			80	120	11/05/2020	RAL
Lead - BSD	EPA-6020	98.0	6		80	120	11/05/2020	RAL
Silver - BS	EPA-6020	96.7			80	120	11/05/2020	RAL

CERTIFICATE OF ANALYSIS

CLIENT:	Granite Construction Co. 1525 E. Marine View Dr. Everett, WA 98201	DATE:	11/11/2020
CLIENT CONTACT:	Mike Bursey	ALS SDG#:	EV20110019
CLIENT PROJECT:	Port of Everett	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Silver - BSD	EPA-6020	104	7		80	120	11/05/2020	RAL
Zinc - BS	EPA-6020	94.1			80	119	11/05/2020	RAL
Zinc - BSD	EPA-6020	100	6		80	119	11/05/2020	RAL

APPROVED BY



Laboratory Director



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

EV20110019

ALS Job# (Laboratory Use Only)

~~EV2011001~~

Date 11/02/2020 Page 1 Of 1

PROJECT ID:	REPORT TO COMPANY:	PROJECT MANAGER:	ADDRESS:	PHONE:	E-MAIL:	INVOICE TO COMPANY:	ATTENTION:	ADDRESS:	SAMPLE I.D.	DATE	TIME	TYPE	LAB#	ANALYSIS REQUESTED	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
Part of Everett	Granite Construction	Mike Bursay	Everett	425-754-1040 P.O. #:		Granite Construction	Mike Bursay	Invoice Part of Everett		11/2/2020	8:30am	S	1	<input checked="" type="checkbox"/> NWTPH-HCID <input type="checkbox"/> NWTPH-DX <input type="checkbox"/> NWTPH-GX <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input checked="" type="checkbox"/> PAH <input type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM <input type="checkbox"/> PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pfl Pol <input type="checkbox"/> TAL <input checked="" type="checkbox"/> Metals Other (Specify) <u>As</u> <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs	<input checked="" type="checkbox"/> As, Cd, Cr, Cu, Pb, Hg, Ag, Zn <input checked="" type="checkbox"/> Dioxin / Furans by EPA 1613 <input checked="" type="checkbox"/> PCB Congeners by EPA 1668A		
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SPECIAL INSTRUCTIONS CC: Elise at Part of Everett.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: White Sun
 Received By: Sun-7-11-20 ALS # 112-2020-0955
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis
 10 Standard 5 3 2 1 SAME DAY
 Fuels & Hydrocarbon Analysis
 5 Standard 3 1 SAME DAY

Specify: due 11/11/20

*Turnaround request less than standard may incur Rush Charges



November 30, 2020

Mr. Mike Bursey
Granite Construction Co.
1525 E. Marine View Dr.
Everett, WA 98201

Dear Mr. Bursey,

On November 5th, 1 sample was received by our laboratory and assigned our laboratory project number EV20110019. The project was identified as your Port of Everett. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Granite Construction Co. 1525 E. Marine View Dr. Everett, WA 98201	DATE:	11/30/2020
CLIENT CONTACT:	Mike Bursey	ALS JOB#:	EV20110019
CLIENT PROJECT:	Port of Everett	ALS SAMPLE#:	EV20110019-01
CLIENT SAMPLE ID	Port Everett	DATE RECEIVED:	11/05/2020
		COLLECTION DATE:	11/2/2020 8:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	4.0	1	UG/KG	11/09/2020	JMK
Chrysene	EPA-8270 SIM	U	4.0	1	UG/KG	11/09/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	4.0	1	UG/KG	11/09/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	4.0	1	UG/KG	11/09/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	4.0	1	UG/KG	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	4.0	1	UG/KG	11/09/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	4.0	1	UG/KG	11/09/2020	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Terphenyl-d14	EPA-8270 SIM	83.2	11/09/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Granite Construction Co. 1525 E. Marine View Dr. Everett, WA 98201	DATE:	11/30/2020
CLIENT CONTACT:	Mike Bursley	ALS SDG#:	EV20110019
CLIENT PROJECT:	Port of Everett	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-110620S - Batch 159461 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	4.0	11/09/2020	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	4.5	11/09/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	4.4	11/09/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	4.0	11/09/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	4.0	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	4.2	11/09/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	5.0	11/09/2020	JMK
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Granite Construction Co.
1525 E. Marine View Dr.
Everett, WA 98201

DATE: 11/30/2020
ALS SDG#: EV20110019
WDOE ACCREDITATION: C601

CLIENT CONTACT: Mike Bursey
CLIENT PROJECT: Port of Everett

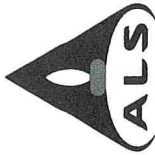
LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 159461 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	92.7			20	150	11/09/2020	JMK
Naphthalene - BSD	EPA-8270 SIM	95.4	3		20	150	11/09/2020	JMK
Benzo[A]Anthracene - BS	EPA-8270 SIM	74.0			20	150	11/09/2020	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	75.7	2		20	150	11/09/2020	JMK
Chrysene - BS	EPA-8270 SIM	79.0			20	150	11/09/2020	JMK
Chrysene - BSD	EPA-8270 SIM	94.9	18		20	150	11/09/2020	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	81.1			20	150	11/09/2020	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	82.1	1		20	150	11/09/2020	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	92.5			20	150	11/09/2020	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	99.1	7		20	150	11/09/2020	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	66.6			20	150	11/09/2020	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	68.8	3		20	150	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	88.3			20	150	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	89.9	2		20	150	11/09/2020	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	84.8			20	150	11/09/2020	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	85.6	1		20	150	11/09/2020	JMK
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	93.8			20	150	11/09/2020	JMK
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	98.8	5		20	150	11/09/2020	JMK

APPROVED BY

Laboratory Director



ALS Environmental
8620 Holly Drive, Suite 100
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Phone (425) 356-2600
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Chain Of Custody/ Laboratory Analysis Request EV20110019

ALS Job# (Laboratory Use Only)

~~EV20110001~~

Date 1/02/2020 Page 1 Of 1

PROJECT ID:	REPORT TO COMPANY:	PROJECT MANAGER:	ADDRESS:	PHONE:	E-MAIL:	INVOICE TO COMPANY:	ATTENTION:	ADDRESS:	SAMPLE I.D.	DATE	TIME	TYPE	LAB#
Part of Everett	Granite Construction	Mike Bursay	Everett	425-754-1040 P.O. #:		Granite Construction	Mike Bursay	Invoice Port of Everett	1. Part Everett	11/2/2019	8:30am	S	1
									2.				
									3.				
									4.				
									5.				
									6.				
									7.				
									8.				
									9.				
									10.				

ANALYSIS REQUESTED	OTHER (Specify)	RECEIVED IN GOOD CONDITION?
NMTPH-HClD		
NMTPH-DX		
NMTPH-GX		
BTEX by EPA 8021 <input type="checkbox"/>		
MTBE by EPA 8260 <input type="checkbox"/>		
Halogenated Volatiles by EPA 8260		
Volatile Organic Compounds by EPA 8260		
EDB / EDC by EPA 8260 SIM (water)		
EDB / EDC by EPA 8260 (soil)		
Semivolatile Organic Compounds by EPA 8270		
Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM		
PCB by EPA 8082 <input type="checkbox"/>		
Pesticides by EPA 8081 <input type="checkbox"/>		
Metals-MTCA-5 <input type="checkbox"/>		
RCRA-8 <input type="checkbox"/>		
Pb <input type="checkbox"/>		
Pol <input type="checkbox"/>		
TAL <input type="checkbox"/>		
Metals Other (Specify)		
TCLP-Metals <input type="checkbox"/>		
VOA <input type="checkbox"/>		
Semi-Vol <input type="checkbox"/>		
Pest <input type="checkbox"/>		
Herbs <input type="checkbox"/>		
As, Cd, Cr, Cu, Pb, Hg, Ag, Zn		
Dioxin / Furans by EPA 1613		
PCB Congeners		
PCB Congeners by EPA 16684		
NUMBER OF CONTAINERS		
RECEIVED IN GOOD CONDITION?		

SPECIAL INSTRUCTIONS CC: Elise at Port of Everett.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: *White Sun*

Received By: *Su-711* ALS #11.7.2020 0955

2. Relinquished By: _____

Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis

10 Standard 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis

5 Standard 3 1 SAME DAY

Specify: due 11/11/20

*Turnaround request less than standard may incur Rush Charges

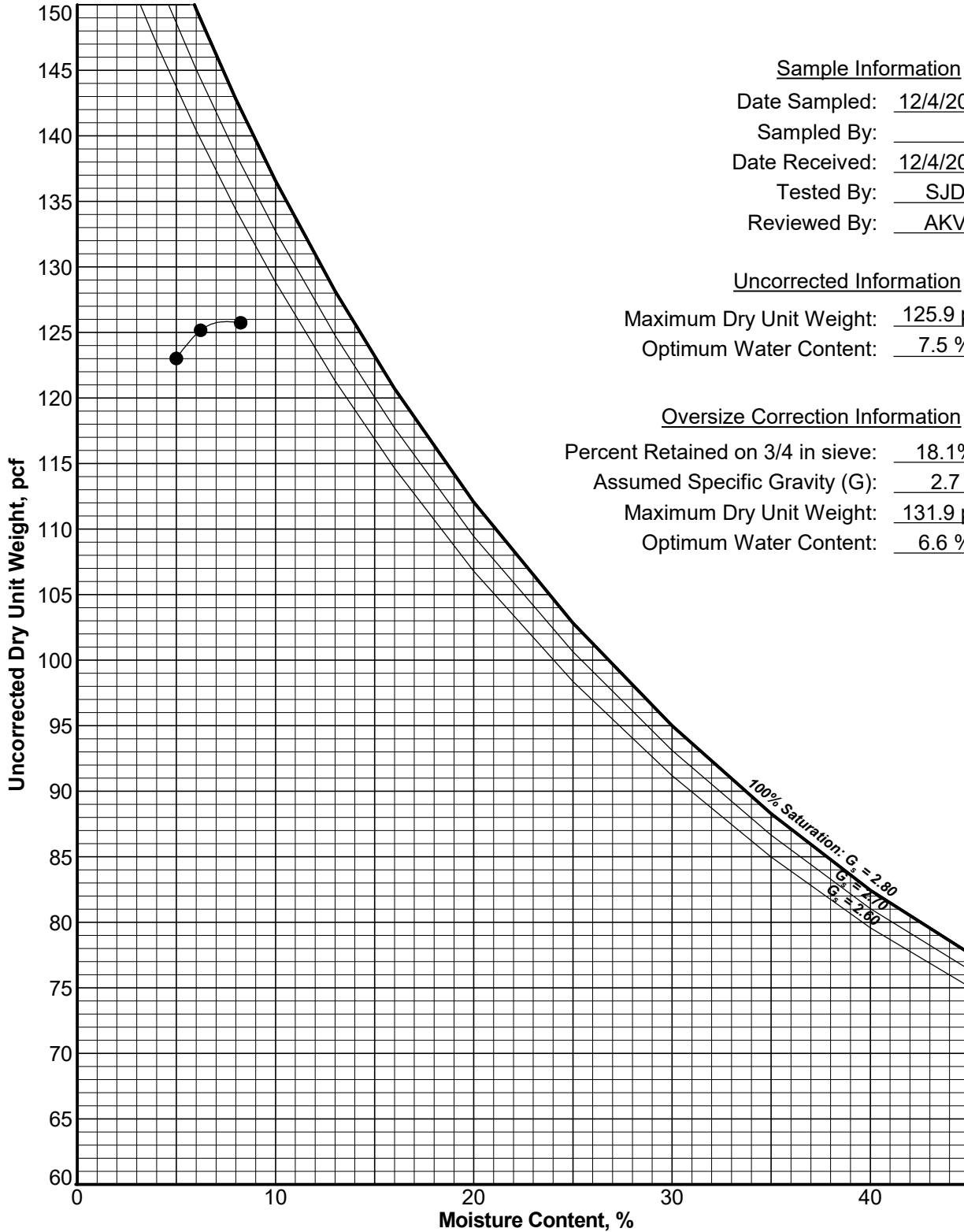
A3. Soil Compaction Testing

Port of Everett - Baywood

Sand/Gravel

Everett, WA

ASTM D698 Method C, Mechanical Rammer



Sample Information

Date Sampled: 12/4/2020
 Sampled By: _____
 Date Received: 12/4/2020
 Tested By: SJD
 Reviewed By: AKV

Uncorrected Information

Maximum Dry Unit Weight: 125.9 pcf
 Optimum Water Content: 7.5 %

Oversize Correction Information

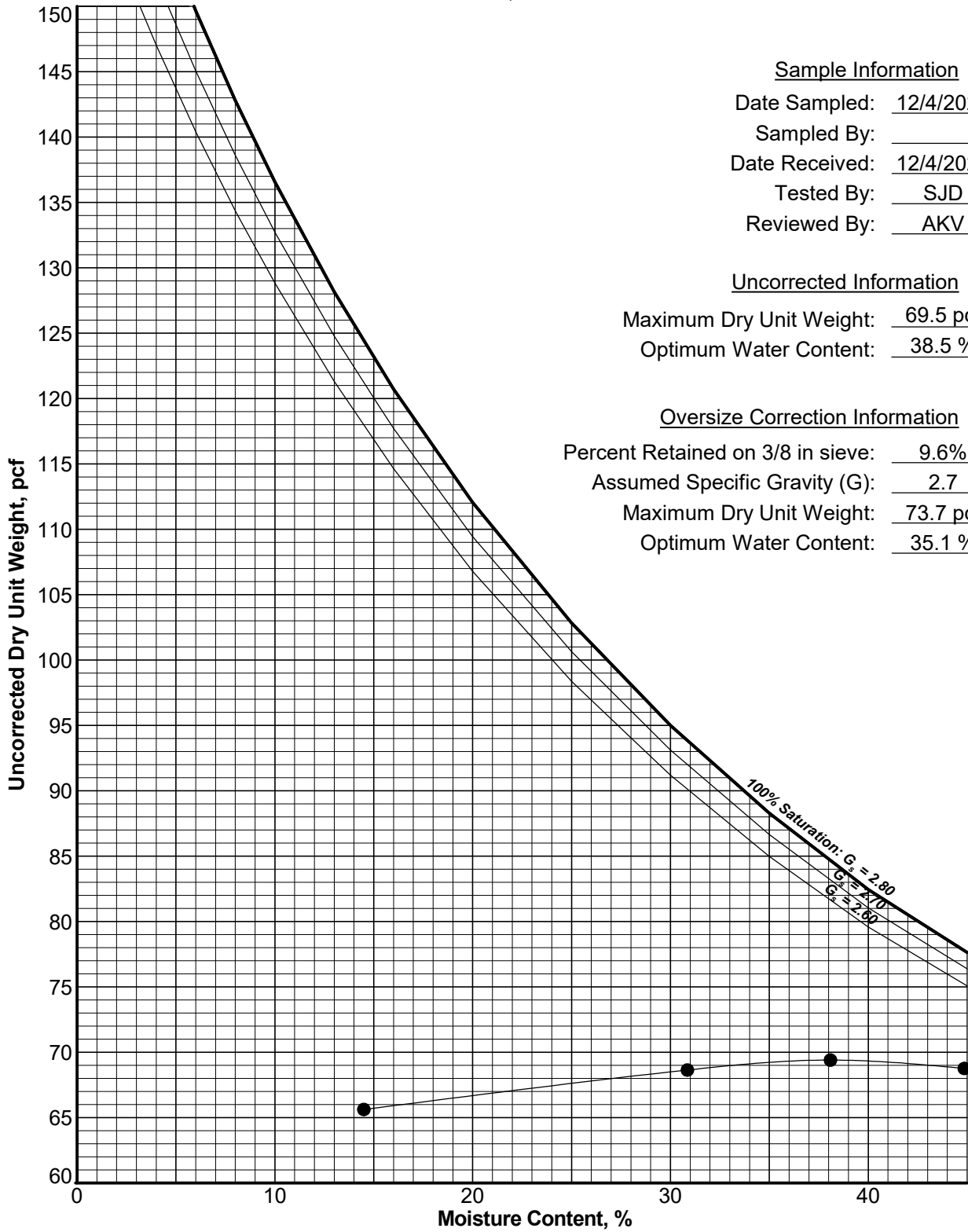
Percent Retained on 3/4 in sieve: 18.1%
 Assumed Specific Gravity (G): 2.7
 Maximum Dry Unit Weight: 131.9 pcf
 Optimum Water Content: 6.6 %

Port of Everett - Baywood

Topsoil

Everett, WA

ASTM D698 Method B, Mechanical Rammer



Sample Information

Date Sampled: 12/4/2020
 Sampled By: _____
 Date Received: 12/4/2020
 Tested By: SJD
 Reviewed By: AKV

Uncorrected Information

Maximum Dry Unit Weight: 69.5 pcf
 Optimum Water Content: 38.5 %

Oversize Correction Information

Percent Retained on 3/8 in sieve: 9.6%
 Assumed Specific Gravity (G): 2.7
 Maximum Dry Unit Weight: 73.7 pcf
 Optimum Water Content: 35.1 %



ALS Environmental - Everett
ATTN: Glen Perry
8620 Holly Drive, Suite 100
Everett WA 98208

Date Received: 06-NOV-20
Report Date: 16-NOV-20 13:48 (MT)
Version: FINAL

Client Phone: 425-356-2600

Certificate of Analysis

Lab Work Order #: L2526950
Project P.O. #: EV20110019
Job Reference: EV20110019
C of C Numbers:
Legal Site Desc:



Claire Kocharakkal, B.Sc.
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526950-1 EV20110019-1 Sampled By: Client on 02-NOV-20 @ 08:30 Matrix: Soil							
Miscellaneous Parameters							
% Moisture	3.58		0.10	%	07-NOV-20	09-NOV-20	R5282817
PCB Congeners short run SPB-Octyl Column							
PCB 1	<0.12	[U]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 2	0.63	J,R	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 3	0.460	J,R	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 4	<2.4	[U]	2.4	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 10	<1.2	[U]	1.2	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 9	<1.2	[U]	1.2	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 7	<1.1	[U]	1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 6	<1.2	[U]	1.2	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 5	<1.3	[U]	1.3	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 8	<1.1	[U]	1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 14	<0.28	[U]	0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 11	32.5		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 13/12	<0.27	[U]	0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 15	<0.26	[U]	0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 19	<0.28	[U]	0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 30/18	<0.17	[U]	0.17	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 17	<0.19	[U]	0.19	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 27	<0.14	[U]	0.14	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 24	<0.15	[U]	0.15	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 16	<0.24	[U]	0.24	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 32	<0.13	[U]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 34	<0.20	[U]	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 23	<0.18	[U]	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 29/26	<0.18	[U]	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 25	<0.17	[U]	0.17	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 31	0.35	M,J,R	0.17	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 28/20	0.52	M,J	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 21/33	0.26	M,J	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 22	<0.18	[U]	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 36	<0.17	[U]	0.17	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 39	<0.17	[U]	0.17	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 38	<0.19	[U]	0.19	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 35	<0.19	[U]	0.19	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 37	0.31	M,J,R	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 54	<0.067	[U]	0.067	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 50/53	<0.095	[U]	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 45/51	<0.098	[U]	0.098	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 46	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 52	1.14	[J]	0.099	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 73	<0.071	[U]	0.071	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 43	<0.12	[U]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 69/49	0.300	J,R	0.086	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 48	<0.095	[U]	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 44/47/65	0.680	M,J,R	0.089	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 59/62/75	<0.072	[U]	0.072	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 42	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 41/71/40	0.216	M,J	0.096	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 64	0.278	[J]	0.072	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 72	<0.082	[U]	0.082	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526950-1 EV20110019-1							
Sampled By: Client on 02-NOV-20 @ 08:30							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 68	<0.076	[U]	0.076	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 57	<0.085	[U]	0.085	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 58	<0.080	[U]	0.080	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 67	<0.073	[U]	0.073	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 63	<0.079	[U]	0.079	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 61/70/74/76	1.11	J,B	0.082	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 66	0.446	J,B	0.078	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 55	<0.084	[U]	0.084	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 56	0.150	J,R	0.085	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 60	<0.083	[U]	0.083	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 80	<0.071	[U]	0.071	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 79	<0.074	[U]	0.074	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 78	<0.088	[U]	0.088	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 81	<0.091	[U]	0.091	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 77	0.134	M,J	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 104	<0.091	[U]	0.091	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 96	<0.092	[U]	0.092	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 103	<0.097	[U]	0.097	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 94	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 95	1.94	M,J	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 100/93/102/98	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 88/91	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 84	0.61	J,R	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 89	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 121	<0.076	[U]	0.076	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 92	0.34	M,J	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 113/90/101	1.97	[J]	0.091	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 83/99	1.08	[J]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 112	<0.075	[U]	0.075	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 108/119/86/97/125/87	1.42	M,J	0.091	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 117/116/85/110/115	3.80	M	0.083	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 82	0.21	[J]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 111	<0.075	[U]	0.075	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 120	<0.070	[U]	0.070	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 107/124	<0.10	M,U	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 109	<0.099	[U]	0.099	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 123	<0.12	[U]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 106	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 118	1.87	[J]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 122	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 114	<0.12	[U]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 105	0.82	J,R	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 127	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 126	<0.13	[U]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 155	<0.038	[U]	0.038	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 152	<0.050	[U]	0.050	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 150	<0.048	[U]	0.048	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 136	0.380	[J]	0.050	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 145	<0.050	[U]	0.050	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 148	<0.066	[U]	0.066	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 151/135	0.833	[J]	0.067	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526950-1 EV20110019-1							
Sampled By: Client on 02-NOV-20 @ 08:30							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 154	<0.055	[U]	0.055	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 144	<0.066	[U]	0.066	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 147/149	2.08	[J]	0.094	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 134/143	0.18	M,J,R	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 139/140	<0.094	[U]	0.094	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 131	<0.12	[U]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 142	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 132	0.99	[J]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 133	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 165	<0.078	[U]	0.078	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 146	0.362	[J]	0.086	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 161	<0.076	[U]	0.076	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 168/153	2.20	[J]	0.077	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 141	0.410	[J]	0.098	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 130	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 137/164	0.394	M,J	0.083	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 138/163/129	3.47		0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 160	<0.067	[U]	0.067	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 158	0.329	[J]	0.065	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 128/166	0.440	M,J,R	0.085	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 159	<0.071	[U]	0.071	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 162	<0.073	[U]	0.073	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 167	<0.078	[U]	0.078	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 156/157	0.49	M,J	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 169	<0.095	[U]	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 188	<0.071	[U]	0.071	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 179	0.310	J,R	0.076	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 184	<0.070	[U]	0.070	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 176	<0.077	[U]	0.077	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 186	<0.077	[U]	0.077	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 178	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 175	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 187	0.880	[J]	0.091	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 182	<0.096	[U]	0.096	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 183	0.442	[J]	0.097	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 185	<0.098	[U]	0.098	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 174	0.63	[J]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 177	0.44	[J]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 181	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 171/173	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 172	<0.11	[U]	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 192	<0.083	[U]	0.083	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 180/193	1.58	M,J	0.087	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 191	<0.079	[U]	0.079	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 170	0.58	M,J	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 190	0.130	M,J,R	0.073	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 189	<0.10	[U]	0.10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 202	0.140	J,R	0.072	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 201	0.094	J,R	0.086	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 204	<0.087	[U]	0.087	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 197	0.095	J,R	0.082	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526950-1 EV20110019-1							
Sampled By: Client on 02-NOV-20 @ 08:30							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 200	<0.088	[U]	0.088	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 198/199	0.76	[J]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 196	0.21	[J]	0.12	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 203	0.36	J,R	0.11	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 195	0.147	M,J	0.087	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 194	0.496	M,J	0.081	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 205	<0.094	[U]	0.094	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 208	0.21	[J]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 207	<0.13	[U]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 206	0.67	M,J,R	0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 209	0.542	[J]	0.060	ng/kg	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 1	35.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 3	42.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 4	43.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 15	48.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 19	51.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 37	61.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 54	57.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 81	62.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 77	58.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 104	66.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 123	56.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 118	56.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 114	55.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 105	56.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 126	53.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 155	61.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 167	64.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 156/157	62.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 169	60.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 188	65.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 189	57.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 202	81.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 205	74.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 208	66.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 206	75.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 209	83.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 28 Cleanup	60.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 111 Cleanup	68.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 178 Cleanup	78.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Total MonoCB	1.09	[J]	0.095	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total DiCB	32.5	[J]	0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total TriCB	1.44	[J]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total TetraCB	4.45	[J]	0.067	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total PentaCB	14.1	[J]	0.070	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total HexaCB	12.6	[J]	0.038	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total HeptaCB	4.99	[J]	0.070	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total OctaCB	2.30	[J]	0.072	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total NonaCB	0.88	[J]	0.13	ng/kg	07-NOV-20	15-NOV-20	R5285969
DecaCB	0.542	[J]	0.060	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total PCB	74.8	[J]	1.0	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526950-1 EV20110019-1							
Sampled By: Client on 02-NOV-20 @ 08:30							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
Lower Bound PCB TEQ (WHO 2005)	0.0000841			pg/g	07-NOV-20	15-NOV-20	R5285969
Upper Bound PCB TEQ (WHO 2005)	0.0160			pg/g	07-NOV-20	15-NOV-20	R5285969
Sample Size	19.7		0.010	g	07-NOV-20	15-NOV-20	R5285969
Extract Final Volume	25.0		0.10	ul	07-NOV-20	15-NOV-20	R5285969
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	<0.038	[U]	0.038	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,7,8-PeCDD	<0.028	[U]	0.028	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,4,7,8-HxCDD	<0.056	[U]	0.056	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,6,7,8-HxCDD	<0.054	[U]	0.054	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,7,8,9-HxCDD	<0.057	[U]	0.057	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,4,6,7,8-HpCDD	0.860	J,R	0.019	pg/g	07-NOV-20	14-NOV-20	R5285969
OCDD	11.6		0.058	pg/g	07-NOV-20	14-NOV-20	R5285969
2,3,7,8-TCDF	<0.027	[U]	0.027	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,7,8-PeCDF	<0.027	M,U	0.027	pg/g	07-NOV-20	14-NOV-20	R5285969
2,3,4,7,8-PeCDF	0.063	[J]	0.023	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,4,7,8-HxCDF	<0.029	[U]	0.029	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,6,7,8-HxCDF	<0.028	[U]	0.028	pg/g	07-NOV-20	14-NOV-20	R5285969
2,3,4,6,7,8-HxCDF	<0.029	[U]	0.029	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,7,8,9-HxCDF	<0.038	[U]	0.038	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,4,6,7,8-HpCDF	0.190	M,J,R	0.023	pg/g	07-NOV-20	14-NOV-20	R5285969
1,2,3,4,7,8,9-HpCDF	<0.036	M,U	0.036	pg/g	07-NOV-20	14-NOV-20	R5285969
OCDF	0.627	[J]	0.020	pg/g	07-NOV-20	14-NOV-20	R5285969
Total-TCDD	<0.038	[U]	0.038	pg/g	07-NOV-20	14-NOV-20	R5285969
Total TCDD # Homologues	0				07-NOV-20	14-NOV-20	R5285969
Total-PeCDD	<0.028	[U]	0.028	pg/g	07-NOV-20	14-NOV-20	R5285969
Total PeCDD # Homologues	0				07-NOV-20	14-NOV-20	R5285969
Total-HxCDD	0.559		0.057	pg/g	07-NOV-20	14-NOV-20	R5285969
Total HxCDD # Homologues	2				07-NOV-20	14-NOV-20	R5285969
Total-HpCDD	<0.019	[U]	0.019	pg/g	07-NOV-20	14-NOV-20	R5285969
Total HpCDD # Homologues	0				07-NOV-20	14-NOV-20	R5285969
Total-TCDF	0.083		0.027	pg/g	07-NOV-20	14-NOV-20	R5285969
Total TCDF # Homologues	2				07-NOV-20	14-NOV-20	R5285969
Total-PeCDF	0.224		0.027	pg/g	07-NOV-20	14-NOV-20	R5285969
Total PeCDF # Homologues	3				07-NOV-20	14-NOV-20	R5285969
Total-HxCDF	<0.038	[U]	0.038	pg/g	07-NOV-20	14-NOV-20	R5285969
Total HxCDF # Homologues	0				07-NOV-20	14-NOV-20	R5285969
Total-HpCDF	<0.036	[U]	0.036	pg/g	07-NOV-20	14-NOV-20	R5285969
Total HpCDF # Homologues	0				07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-2,3,7,8-TCDD	64.0		25-164	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8-PeCDD	59.0		25-181	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	69.0		32-141	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	64.0		28-130	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	66.0		23-140	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-OCDD	66.0		17-157	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-2,3,7,8-TCDF	65.0		24-169	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8-PeCDF	59.0		24-185	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-2,3,4,7,8-PeCDF	60.0		21-178	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	67.0		26-152	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	66.0		26-123	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	68.0		29-147	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	63.0		28-136	%	07-NOV-20	14-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526950-1 EV20110019-1 Sampled By: Client on 02-NOV-20 @ 08:30 Matrix: Soil							
Dioxins and Furans HR 1613B							
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	67.0		28-143	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	58.0		26-138	%	07-NOV-20	14-NOV-20	R5285969
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	69.0		35-197	%	07-NOV-20	14-NOV-20	R5285969
Lower Bound PCDD/F TEQ (WHO 2005)	0.0224			pg/g	07-NOV-20	14-NOV-20	R5285969
Mid Point PCDD/F TEQ (WHO 2005)	0.0824			pg/g	07-NOV-20	14-NOV-20	R5285969
Upper Bound PCDD/F TEQ (WHO 2005)	0.132			pg/g	07-NOV-20	14-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J,B	The analyte was detected below the calibrated range but above the EDL, and was detected in the Method Blank at >10% of the sample concentration.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M	A peak has been manually integrated.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DX-1613B-HRMS-BU	Soil	Dioxins and Furans HR 1613B	USEPA 1613B
Samples are extracted by Soxhlet. The extracts are prepared using column chromatography, reduced in volume and analyzed by isotope-dilution GC/HRMS			
MOISTURE-BU	Soil	% Moisture	CCME PHC in Soil - Tier 1 (mod)
This method is used to determine the percent moisture in a sample. Samples are homogenized, moisture is removed by heating at 105°C until constant mass is achieved. The residues are measured gravimetrically and the difference in weight between the wet sample and the dried sample is used to determine the moisture content. This percent moisture can be used, in conjunction with analytical results, to report data on a dry weight basis.			
PCB-1668-OC2-HRMS-BU	Soil	PCB Congeners short run SPB-Octyl Column	EPA 1668A

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample
 mg/kg wwt - milligrams per kilogram based on wet weight of sample
 mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
 mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2526950

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Client: ALS Environmental - Everett
 8620 Holly Drive, Suite 100
 Everett WA 98208

Contact: Glen Perry

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5285969							
WG3440837-2 LCS								
2,3,7,8-TCDD			89.0		%		67-158	13-NOV-20
1,2,3,7,8-PeCDD			103.0		%		70-142	13-NOV-20
1,2,3,4,7,8-HxCDD			97.0		%		70-164	13-NOV-20
1,2,3,6,7,8-HxCDD			96.0		%		76-134	13-NOV-20
1,2,3,7,8,9-HxCDD			103.0		%		64-162	13-NOV-20
1,2,3,4,6,7,8-HpCDD			94.0		%		70-140	13-NOV-20
OCDD			95.0		%		78-144	13-NOV-20
2,3,7,8-TCDF			97.0		%		75-158	13-NOV-20
1,2,3,7,8-PeCDF			98.0		%		80-134	13-NOV-20
2,3,4,7,8-PeCDF			89.0		%		68-160	13-NOV-20
1,2,3,4,7,8-HxCDF			95.0		%		72-134	13-NOV-20
1,2,3,6,7,8-HxCDF			96.0		%		84-130	13-NOV-20
2,3,4,6,7,8-HxCDF			96.0		%		70-156	13-NOV-20
1,2,3,7,8,9-HxCDF			99.0		%		78-130	13-NOV-20
1,2,3,4,6,7,8-HpCDF			101.0		%		82-122	13-NOV-20
1,2,3,4,7,8,9-HpCDF			99.0		%		78-138	13-NOV-20
OCDF			87.0		%		63-170	13-NOV-20
WG3440837-1 MB								
2,3,7,8-TCDD			<0.027	[U]	pg/g		0.027	13-NOV-20
1,2,3,7,8-PeCDD			<0.012	[U]	pg/g		0.012	13-NOV-20
1,2,3,4,7,8-HxCDD			<0.019	[U]	pg/g		0.019	13-NOV-20
1,2,3,6,7,8-HxCDD			0.029	M,J,R	pg/g		0.018	13-NOV-20
1,2,3,7,8,9-HxCDD			<0.019	M,J,R	pg/g		0.019	13-NOV-20
1,2,3,4,6,7,8-HpCDD			<0.017	[U]	pg/g		0.017	13-NOV-20
OCDD			0.300	M,J,R	pg/g		0.02	13-NOV-20
2,3,7,8-TCDF			<0.015	[U]	pg/g		0.015	13-NOV-20
1,2,3,7,8-PeCDF			<0.016	[U]	pg/g		0.016	13-NOV-20
2,3,4,7,8-PeCDF			<0.014	[U]	pg/g		0.014	13-NOV-20
1,2,3,4,7,8-HxCDF			<0.0088	[U]	pg/g		0.0088	13-NOV-20
1,2,3,6,7,8-HxCDF			<0.0089	[U]	pg/g		0.0089	13-NOV-20
2,3,4,6,7,8-HxCDF			<0.0086	[U]	pg/g		0.0086	13-NOV-20
1,2,3,7,8,9-HxCDF			0.037	[J]	pg/g		0.011	13-NOV-20
1,2,3,4,6,7,8-HpCDF			0.0480	[J]	pg/g		0.0085	13-NOV-20
1,2,3,4,7,8,9-HpCDF			<0.012	[U]	pg/g		0.012	13-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5285969							
WG3440837-1	MB							
OCDF			0.200	M,J,R	pg/g		0.028	13-NOV-20
Total-TCDD			<0.027	[U]	pg/g		0.027	13-NOV-20
Total-PeCDD			<0.012	[U]	pg/g		0.012	13-NOV-20
Total-HxCDD			<0.019	[U]	pg/g		0.019	13-NOV-20
Total-HpCDD			<0.017	[U]	pg/g		0.017	13-NOV-20
Total-TCDF			<0.015	[U]	pg/g		0.015	13-NOV-20
Total-PeCDF			<0.016	[U]	pg/g		0.016	13-NOV-20
Total-HxCDF			0.037	A	pg/g		0.011	13-NOV-20
Total-HpCDF			0.048	A	pg/g		0.012	13-NOV-20
Surrogate: 13C12-2,3,7,8-TCDD			68.0		%		25-164	13-NOV-20
Surrogate: 13C12-1,2,3,7,8-PeCDD			67.0		%		25-181	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8-HxCDD			75.0		%		32-141	13-NOV-20
Surrogate: 13C12-1,2,3,6,7,8-HxCDD			75.0		%		28-130	13-NOV-20
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD			75.0		%		23-140	13-NOV-20
Surrogate: 13C12-OCDD			75.0		%		17-157	13-NOV-20
Surrogate: 13C12-2,3,7,8-TCDF			70.0		%		24-169	13-NOV-20
Surrogate: 13C12-1,2,3,7,8-PeCDF			66.0		%		24-185	13-NOV-20
Surrogate: 13C12-2,3,4,7,8-PeCDF			67.0		%		21-178	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8-HxCDF			71.0		%		26-152	13-NOV-20
Surrogate: 13C12-1,2,3,6,7,8-HxCDF			74.0		%		26-123	13-NOV-20
Surrogate: 13C12-2,3,4,6,7,8-HxCDF			73.0		%		29-147	13-NOV-20
Surrogate: 13C12-1,2,3,7,8,9-HxCDF			72.0		%		28-136	13-NOV-20
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF			73.0		%		28-143	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF			66.0		%		26-138	13-NOV-20
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)			64.0		%		35-197	13-NOV-20

COMMENTS: There were low levels of select targets detected in the method blank that were within the reference method control limits.

MOISTURE-BU **Soil**

Batch **R5282817**

WG3440849-2 **LCS**

% Moisture 99.3 % 90-110 09-NOV-20

WG3440849-1 **MB**

% Moisture <0.10 % 0.3 09-NOV-20

PCB-1668-OC2-HRMS-BU **Soil**

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-2 LCS								
PCB 1			95.0		%		50-150	15-NOV-20
PCB 3			94.0		%		50-150	15-NOV-20
PCB 4			114.0		%		50-150	15-NOV-20
PCB 15			98.0		%		50-150	15-NOV-20
PCB 19			108.0		%		50-150	15-NOV-20
PCB 37			100.0		%		50-150	15-NOV-20
PCB 54			109.0		%		50-150	15-NOV-20
PCB 81			98.0		%		50-150	15-NOV-20
PCB 77			98.0		%		50-150	15-NOV-20
PCB 104			97.0		%		50-150	15-NOV-20
PCB 123			97.0		%		50-150	15-NOV-20
PCB 118			96.0		%		50-150	15-NOV-20
PCB 114			95.0		%		50-150	15-NOV-20
PCB 105			97.0		%		50-150	15-NOV-20
PCB 126			97.0		%		50-150	15-NOV-20
PCB 155			100.0		%		50-150	15-NOV-20
PCB 167			102.0		%		50-150	15-NOV-20
PCB 156/157			102.0		%		50-150	15-NOV-20
PCB 169			103.0		%		50-150	15-NOV-20
PCB 188			99.0		%		50-150	15-NOV-20
PCB 189			99.0		%		50-150	15-NOV-20
PCB 202			106.0		%		50-150	15-NOV-20
PCB 205			95.0		%		50-150	15-NOV-20
PCB 208			96.0		%		50-150	15-NOV-20
PCB 206			97.0		%		50-150	15-NOV-20
PCB 209			112.0		%		50-150	15-NOV-20
WG3440837-1 MB								
PCB 1			<0.080	[U]	ng/kg		5.882	15-NOV-20
PCB 2			0.088	M,J,R	ng/kg		5.882	15-NOV-20
PCB 3			0.094	[J]	ng/kg		5.882	15-NOV-20
PCB 4			<1.8	[U]	ng/kg		5.882	15-NOV-20
PCB 10			<0.77	[U]	ng/kg		5.882	15-NOV-20
PCB 9			<0.76	[U]	ng/kg		5.882	15-NOV-20
PCB 7			<0.74	[U]	ng/kg		5.882	15-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 6			<0.76	[U]	ng/kg		5.882	15-NOV-20
PCB 5			<0.82	[U]	ng/kg		5.882	15-NOV-20
PCB 8			<0.73	[U]	ng/kg		5.882	15-NOV-20
PCB 14			<0.21	[U]	ng/kg		5.882	15-NOV-20
PCB 11			1.95	[J]	ng/kg		2.941	15-NOV-20
PCB 13/12			<0.21	[U]	ng/kg		5.882	15-NOV-20
PCB 15			<0.17	[U]	ng/kg		5.882	15-NOV-20
PCB 19			<0.16	[U]	ng/kg		5.882	15-NOV-20
PCB 30/18			0.170	M,J,R	ng/kg		5.882	15-NOV-20
PCB 17			0.166	[J]	ng/kg		5.882	15-NOV-20
PCB 27			<0.061	[U]	ng/kg		5.882	15-NOV-20
PCB 24			<0.063	[U]	ng/kg		5.882	15-NOV-20
PCB 16			<0.10	[U]	ng/kg		5.882	15-NOV-20
PCB 32			<0.057	[U]	ng/kg		5.882	15-NOV-20
PCB 34			<0.076	[U]	ng/kg		5.882	15-NOV-20
PCB 23			<0.072	[U]	ng/kg		5.882	15-NOV-20
PCB 29/26			<0.071	[U]	ng/kg		5.882	15-NOV-20
PCB 25			<0.066	[U]	ng/kg		5.882	15-NOV-20
PCB 31			0.270	J,R	ng/kg		5.882	15-NOV-20
PCB 28/20			0.310	J,R	ng/kg		5.882	15-NOV-20
PCB 21/33			0.230	J,R	ng/kg		5.882	15-NOV-20
PCB 22			0.119	[J]	ng/kg		5.882	15-NOV-20
PCB 36			<0.065	[U]	ng/kg		5.882	15-NOV-20
PCB 39			<0.067	[U]	ng/kg		5.882	15-NOV-20
PCB 38			<0.076	[U]	ng/kg		5.882	15-NOV-20
PCB 35			<0.073	[U]	ng/kg		5.882	15-NOV-20
PCB 37			0.140	M,J,R	ng/kg		5.882	15-NOV-20
PCB 54			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 50/53			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 45/51			0.054	M,J,R	ng/kg		5.882	15-NOV-20
PCB 46			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 52			0.260	J,R	ng/kg		2.941	15-NOV-20
PCB 73			<0.022	[U]	ng/kg		5.882	15-NOV-20

Quality Control Report

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 43			<0.036	[U]	ng/kg		5.882	15-NOV-20
PCB 69/49			0.120	J,R	ng/kg		5.882	15-NOV-20
PCB 48			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 44/47/65			0.395	M,J	ng/kg		5.882	15-NOV-20
PCB 59/62/75			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 42			0.050	J,R	ng/kg		5.882	15-NOV-20
PCB 41/71/40			0.066	J,R	ng/kg		5.882	15-NOV-20
PCB 64			0.079	J,R	ng/kg		5.882	15-NOV-20
PCB 72			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 68			0.046	[J]	ng/kg		5.882	15-NOV-20
PCB 57			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 58			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 67			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 63			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 61/70/74/76			0.265	[J]	ng/kg		5.882	15-NOV-20
PCB 66			0.118	[J]	ng/kg		5.882	15-NOV-20
PCB 55			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 56			0.055	[J]	ng/kg		5.882	15-NOV-20
PCB 60			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 80			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 79			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 78			<0.027	[U]	ng/kg		5.882	15-NOV-20
PCB 81			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 77			<0.028	M,U	ng/kg		5.882	15-NOV-20
PCB 104			<0.030	[U]	ng/kg		5.882	15-NOV-20
PCB 96			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 103			<0.043	[U]	ng/kg		5.882	15-NOV-20
PCB 94			<0.049	[U]	ng/kg		5.882	15-NOV-20
PCB 95			0.154	[J]	ng/kg		5.882	15-NOV-20
PCB 100/93/102/98			<0.046	[U]	ng/kg		5.882	15-NOV-20
PCB 88/91			<0.047	[U]	ng/kg		5.882	15-NOV-20
PCB 84			<0.052	[U]	ng/kg		5.882	15-NOV-20
PCB 89			<0.051	[U]	ng/kg		5.882	15-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 121			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 92			<0.048	[U]	ng/kg		5.882	15-NOV-20
PCB 113/90/101			0.169	[J]	ng/kg		5.882	15-NOV-20
PCB 83/99			<0.047	[U]	ng/kg		5.882	15-NOV-20
PCB 112			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 108/119/86/97/125/87			0.133	M,J	ng/kg		5.882	15-NOV-20
PCB 117/116/85/110/115			0.255	M,J	ng/kg		5.882	15-NOV-20
PCB 82			<0.057	[U]	ng/kg		5.882	15-NOV-20
PCB 111			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 120			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 107/124			<0.032	[U]	ng/kg		5.882	15-NOV-20
PCB 109			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 123			<0.036	[U]	ng/kg		5.882	15-NOV-20
PCB 106			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 118			0.133	[J]	ng/kg		5.882	15-NOV-20
PCB 122			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 114			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 105			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 127			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 126			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 155			<0.028	[U]	ng/kg		5.882	15-NOV-20
PCB 152			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 150			<0.017	[U]	ng/kg		5.882	15-NOV-20
PCB 136			<0.018	M,U	ng/kg		5.882	15-NOV-20
PCB 145			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 148			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 151/135			0.039	M,J	ng/kg		5.882	15-NOV-20
PCB 154			<0.020	[U]	ng/kg		5.882	15-NOV-20
PCB 144			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 147/149			0.127	[J]	ng/kg		5.882	15-NOV-20
PCB 134/143			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 139/140			<0.021	[U]	ng/kg		5.882	15-NOV-20
PCB 131			<0.026	[U]	ng/kg		5.882	15-NOV-20

Quality Control Report

Workorder: L2526950

Report Date: 16-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 142			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 132			0.039	M,J,R	ng/kg		5.882	15-NOV-20
PCB 133			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 165			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 146			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 161			<0.017	[U]	ng/kg		5.882	15-NOV-20
PCB 168/153			0.111	[J]	ng/kg		2.941	15-NOV-20
PCB 141			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 130			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 137/164			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 138/163/129			0.172	[J]	ng/kg		5.882	15-NOV-20
PCB 160			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 158			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 128/166			0.026	M,J,R	ng/kg		5.882	15-NOV-20
PCB 159			<0.016	[U]	ng/kg		5.882	15-NOV-20
PCB 162			<0.016	[U]	ng/kg		5.882	15-NOV-20
PCB 167			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 156/157			0.039	[J]	ng/kg		11.764	15-NOV-20
PCB 169			<0.016	M,U	ng/kg		5.882	15-NOV-20
PCB 188			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 179			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 184			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 176			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 186			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 178			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 175			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 187			0.071	[J]	ng/kg		5.882	15-NOV-20
PCB 182			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 183			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 185			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 174			0.044	J,R	ng/kg		5.882	15-NOV-20
PCB 177			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 181			<0.035	[U]	ng/kg		5.882	15-NOV-20

Quality Control Report

Workorder: L2526950

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 171/173			<0.038	[U]	ng/kg		5.882	15-NOV-20
PCB 172			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 192			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 180/193			0.148	[J]	ng/kg		2.941	15-NOV-20
PCB 191			<0.027	[U]	ng/kg		5.882	15-NOV-20
PCB 170			<0.039	M,J,R	ng/kg		5.882	15-NOV-20
PCB 190			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 189			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 202			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 201			0.015	[J]	ng/kg		5.882	15-NOV-20
PCB 204			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 197			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 200			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 198/199			0.066	J,R	ng/kg		5.882	15-NOV-20
PCB 196			0.031	M,J,R	ng/kg		5.882	15-NOV-20
PCB 203			0.041	J,R	ng/kg		5.882	15-NOV-20
PCB 195			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 194			0.110	M,J,R	ng/kg		5.882	15-NOV-20
PCB 205			<0.011	[U]	ng/kg		5.882	15-NOV-20
PCB 208			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 207			<0.021	[U]	ng/kg		5.882	15-NOV-20
PCB 206			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 209			<0.021	[U]	ng/kg		5.882	15-NOV-20
Surrogate: 13C12 PCB 1			22.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 3			37.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 4			43.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 15			46.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 19			45.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 37			58.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 54			53.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 81			64.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 77			61.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 104			61.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 123			63.0		%		10-145	15-NOV-20



Quality Control Report

Workorder: L2526950

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-1 MB								
Surrogate: 13C12 PCB 118			64.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 114			66.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 105			67.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 126			65.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 155			32.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 167			68.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 156/157			70.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 169			76.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 188			38.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 189			78.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 202			57.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 205			76.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 208			36.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 206			73.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 209			50.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 28 Cleanup			58.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 111 Cleanup			66.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 178 Cleanup			74.0		%		10-145	15-NOV-20
Total MonoCB			0.182	[J]	ng/kg		11.765	15-NOV-20
Total DiCB			1.95	[J]	ng/kg		23.529	15-NOV-20
Total TriCB			1.41	[J]	ng/kg		23.529	15-NOV-20
Total TetraCB			1.51	[J]	ng/kg		47.059	15-NOV-20
Total PentaCB			0.844	[J]	ng/kg		47.059	15-NOV-20
Total HexaCB			0.553	[J]	ng/kg		47.059	15-NOV-20
Total HeptaCB			0.263	[J]	ng/kg		23.529	15-NOV-20
Total OctaCB			0.263	[J]	ng/kg		23.529	15-NOV-20
Total NonaCB			<0.021	[U]	ng/kg		11.765	15-NOV-20
DecaCB			<0.021	[U]	ng/kg		11.765	15-NOV-20
Total PCB			7.0	[J]	ng/kg		94.118	15-NOV-20
Sample Size			17.0		g		25	15-NOV-20
Extract Final Volume			25.0		ul		50	15-NOV-20

Quality Control Report

Workorder: L2526950

Report Date: 16-NOV-20

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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# _____ (Laboratory Use Only)

L2526950

Date 11/5/20 Page 1 Of 1

PROJECT ID: <u>EV20110019</u>					ANALYSIS REQUESTED												OTHER (Specify)			
REPORT TO COMPANY: <u>ALS Everett</u>					<input type="checkbox"/> NWTPH-HCID <input type="checkbox"/> NWTPH-DX <input type="checkbox"/> NWTPH-GX <input type="checkbox"/> BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM <input type="checkbox"/> PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> PFI Pol <input type="checkbox"/> TAL <input type="checkbox"/> <input type="checkbox"/> Metals Other (Specify) <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	ADDRESS: <u>8620 Holly Drive #100 Everett, WA 98208</u>		PHONE: <u>425 356 2600</u> P.O. #: <u>EV20110019</u>		E-MAIL: <u>Glen.Perry@alsglobal.com</u>		INVOICE TO COMPANY:		ATTENTION: <u>Same as Above</u>		ADDRESS:		<input type="checkbox"/> PCB Congeners <u>1606/1615A</u> <input type="checkbox"/> Dioxin Furans <u>1613</u>		NUMBER OF CONTAINERS RECEIVED IN GOOD CONDITION?
SAMPLE I.D.	DATE	TIME	TYPE	LAB#																
<u>1. EV20110019-1</u>	<u>11/2/20</u>	<u>8:30</u>	<u>Soil</u>															<u>X</u>	<u>X</u>	
2.																				
3.																				
4.																				
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				

SPECIAL INSTRUCTIONS Rush 5 day TAT by 11/16 if possible

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: [Signature] ALS 11/5/20 11:20 AM
 Received By: ARON BURTON 6-NOV-2020 13:50 9.0°C
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis: 10 Standard 3 2 1 SAME DAY
 Fuels & Hydrocarbon Analysis: 5 Standard 3 1 SAME DAY
 OTHER: _____
 Specify: _____

*Turnaround request less than standard may incur Rush Charges



ALS Environmental - Everett
ATTN: Glen Perry
8620 Holly Drive, Suite 100
Everett WA 98208

Date Received: 06-NOV-20
Report Date: 16-NOV-20 13:43 (MT)
Version: FINAL

Client Phone: 425-356-2600

Certificate of Analysis

Lab Work Order #: L2526941
Project P.O. #: EV20110024
Job Reference: EV20110024
C of C Numbers:
Legal Site Desc:



Claire Kocharakkal, B.Sc.
Account Manager

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ADDRESS: 1435 Norjohn Court, Unit 1, Burlington, ON, L7L 0E6 Canada | Phone: +1 905 331 3111 | Fax: +1 905 331 4567
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1							
Sampled By: Client on 05-NOV-20 @ 08:00							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	24.7		0.10	%	07-NOV-20	09-NOV-20	R5282817
PCB Congeners short run SPB-Octyl Column							
PCB 1	4.94		0.22	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 2	6.84		0.22	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 3	9.94		0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 4	<10	[U]	10	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 10	<5.5	[U]	5.5	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 9	<5.5	[U]	5.5	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 7	<5.3	[U]	5.3	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 6	<5.5	[U]	5.5	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 5	<5.9	[U]	5.9	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 8	15.9	M	5.2	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 14	<1.1	[U]	1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 11	26.8		1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 13/12	5.1	M	1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 15	41.0		1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 19	10.5		0.68	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 30/18	58.3		0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 17	25.7		0.61	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 27	5.90		0.45	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 24	1.00	J,R	0.46	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 16	23.9		0.74	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 32	27.5		0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 34	<0.56	[U]	0.56	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 23	<0.53	[U]	0.53	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 29/26	15.6		0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 25	6.77		0.49	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 31	86.9		0.50	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 28/20	108		0.51	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 21/33	23.4		0.53	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 22	31.5		0.53	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 36	3.57		0.48	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 39	1.12	[J]	0.49	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 38	0.87	J,R	0.56	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 35	2.20	M,J	0.54	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 37	50.4		0.58	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 54	0.65	[J]	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 50/53	30.2		0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 45/51	28.8		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 46	8.94		0.32	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 52	469		0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 73	<0.20	[U]	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 43	5.41		0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 69/49	158		0.25	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 48	23.8		0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 44/47/65	229		0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 59/62/75	14.0		0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 42	39.3		0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 41/71/40	70.4		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 64	84.3		0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 72	2.51	[J]	0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1							
Sampled By: Client on 05-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 68	2.07	M,J	0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 57	0.72	M,J,R	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 58	22.6		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 67	3.59		0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 63	6.75		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 61/70/74/76	459	M	0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 66	171	M	0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 55	2.83	M,J	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 56	70.4		0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 60	34.2		0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 80	<0.25	[U]	0.25	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 79	7.67	M	0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 78	<0.31	M,U	0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 81	1.49	M,J	0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 77	31.7		0.32	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 104	<0.24	[U]	0.24	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 96	3.72		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 103	5.18		0.39	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 94	3.14	[J]	0.45	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 95	721		0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 100/93/102/98	20.2		0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 88/91	121		0.43	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 84	200		0.47	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 89	5.28		0.46	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 121	<0.31	[U]	0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 92	192		0.45	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 113/90/101	957		0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 83/99	571		0.44	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 112	<0.30	[U]	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 108/119/86/97/125/87	595	M	0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 117/116/85/110/115	1390	M	0.34	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 82	90.8	M	0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 111	0.78	M,J,R	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 120	1.88	[J]	0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 107/124	40.3		0.50	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 109	62.2		0.48	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 123	17.5		0.58	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 106	<0.52	[U]	0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 118	927		0.56	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 122	11.2		0.54	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 114	17.5		0.59	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 105	422		0.59	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 127	1.19	[J]	0.48	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 126	5.05		0.66	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 155	0.16	M,J	0.14	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 152	0.74	M,J	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 150	1.24	M,J	0.19	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 136	112		0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 145	0.38	M,J	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 148	1.71	[J]	0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 151/135	296	M	0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1							
Sampled By: Client on 05-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 154	8.19	M	0.23	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 144	38.2		0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 147/149	736		0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 134/143	54.0		0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 139/140	18.4		0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 131	13.1		0.52	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 142	<0.51	[U]	0.51	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 132	312		0.48	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 133	15.6		0.47	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 165	1.72	[J]	0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 146	144		0.39	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 161	<0.34	[U]	0.34	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 168/153	911		0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 141	164		0.44	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 130	<0.51	[U]	0.51	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 137/164	122	M	0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 138/163/129	1240		0.45	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 160	<0.30	[U]	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 158	93.3		0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 128/166	175		0.38	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 159	7.24		0.32	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 162	3.26	[J]	0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 167	56.0		0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 156/157	173		0.55	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 169	2.27	M,J	0.46	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 188	0.74	[J]	0.25	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 179	90.7		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 184	0.29	J,R	0.25	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 176	20.7		0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 186	<0.28	[U]	0.28	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 178	51.2		0.39	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 175	7.45		0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 187	272		0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 182	1.68	[J]	0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 183	111		0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 185	18.0	M	0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 174	179	M	0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 177	102		0.39	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 181	1.83	[J]	0.36	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 171/173	45.8		0.40	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 172	29.4		0.39	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 192	<0.30	[U]	0.30	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 180/193	357		0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 191	5.95		0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 170	143		0.41	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 190	34.6		0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 189	9.01		0.37	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 202	51.8		0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 201	23.4		0.22	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 204	0.34	J,R	0.23	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 197	5.93		0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1							
Sampled By: Client on 05-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 200	17.2		0.23	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 198/199	165		0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 196	50.5		0.31	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 203	107		0.27	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 195	36.0		0.26	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 194	87.1	M	0.24	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 205	6.72	M	0.29	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 208	71.0		0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 207	20.0		0.35	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 206	181		0.56	ng/kg	07-NOV-20	15-NOV-20	R5285969
PCB 209	268		0.15	ng/kg	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 1	44.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 3	51.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 4	53.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 15	54.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 19	68.0	M	5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 37	64.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 54	66.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 81	66.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 77	64.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 104	75.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 123	59.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 118	56.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 114	57.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 105	58.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 126	53.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 155	70.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 167	63.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 156/157	60.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 169	58.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 188	72.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 189	56.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 202	85.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 205	73.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 208	69.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 206	80.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 209	95.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 28 Cleanup	70.0		5-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 111 Cleanup	69.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Surrogate: 13C12 PCB 178 Cleanup	74.0		10-145	%	07-NOV-20	15-NOV-20	R5285969
Total MonoCB	21.7	[J]	0.21	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total DiCB	88.8	[J]	1.1	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total TriCB	483	[J]	0.42	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total TetraCB	1980	[J]	0.20	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total PentaCB	6380	[J]	0.24	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total HexaCB	4700	[J]	0.14	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total HeptaCB	1480	[J]	0.25	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total OctaCB	551	[J]	0.18	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total NonaCB	272	[J]	0.33	ng/kg	07-NOV-20	15-NOV-20	R5285969
DecaCB	268	[J]	0.15	ng/kg	07-NOV-20	15-NOV-20	R5285969
Total PCB	16200	[J]	1.0	ng/kg	07-NOV-20	15-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1							
Sampled By: Client on 05-NOV-20 @ 08:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
Lower Bound PCB TEQ (WHO 2005)	0.625			pg/g	07-NOV-20	15-NOV-20	R5285969
Upper Bound PCB TEQ (WHO 2005)	0.625			pg/g	07-NOV-20	15-NOV-20	R5285969
Sample Size	15.2		0.010	g	07-NOV-20	15-NOV-20	R5285969
Extract Final Volume	25.0		0.10	ul	07-NOV-20	15-NOV-20	R5285969
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	0.612	[J]	0.099	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,7,8-PeCDD	0.77	M,J,R	0.24	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,4,7,8-HxCDD	0.98	J,R	0.40	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,6,7,8-HxCDD	5.63		0.33	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,7,8,9-HxCDD	2.67	[J]	0.37	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,4,6,7,8-HpCDD	115		0.60	pg/g	07-NOV-20	13-NOV-20	R5285969
OCDD	1140		0.59	pg/g	07-NOV-20	13-NOV-20	R5285969
2,3,7,8-TCDF	1.16	M	0.16	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,7,8-PeCDF	0.76	[J]	0.20	pg/g	07-NOV-20	13-NOV-20	R5285969
2,3,4,7,8-PeCDF	1.99	[J]	0.19	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,4,7,8-HxCDF	1.30	J,R	0.25	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,6,7,8-HxCDF	0.99	[J]	0.24	pg/g	07-NOV-20	13-NOV-20	R5285969
2,3,4,6,7,8-HxCDF	1.12	RRR	0.27	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,7,8,9-HxCDF	0.63	M,J	0.22	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,4,6,7,8-HpCDF	24.1		0.18	pg/g	07-NOV-20	13-NOV-20	R5285969
1,2,3,4,7,8,9-HpCDF	1.70	M,J,R	0.30	pg/g	07-NOV-20	13-NOV-20	R5285969
OCDF	56.7		0.24	pg/g	07-NOV-20	13-NOV-20	R5285969
Total-TCDD	7.78		0.099	pg/g	07-NOV-20	13-NOV-20	R5285969
Total TCDD # Homologues	5				07-NOV-20	13-NOV-20	R5285969
Total-PeCDD	4.64		0.24	pg/g	07-NOV-20	13-NOV-20	R5285969
Total PeCDD # Homologues	3				07-NOV-20	13-NOV-20	R5285969
Total-HxCDD	32.7		0.40	pg/g	07-NOV-20	13-NOV-20	R5285969
Total HxCDD # Homologues	4				07-NOV-20	13-NOV-20	R5285969
Total-HpCDD	228		0.60	pg/g	07-NOV-20	13-NOV-20	R5285969
Total HpCDD # Homologues	2				07-NOV-20	13-NOV-20	R5285969
Total-TCDF	18.3		0.16	pg/g	07-NOV-20	13-NOV-20	R5285969
Total TCDF # Homologues	10				07-NOV-20	13-NOV-20	R5285969
Total-PeCDF	33.9		0.20	pg/g	07-NOV-20	13-NOV-20	R5285969
Total PeCDF # Homologues	8				07-NOV-20	13-NOV-20	R5285969
Total-HxCDF	38.7		0.27	pg/g	07-NOV-20	13-NOV-20	R5285969
Total HxCDF # Homologues	6				07-NOV-20	13-NOV-20	R5285969
Total-HpCDF	68.9		0.30	pg/g	07-NOV-20	13-NOV-20	R5285969
Total HpCDF # Homologues	2				07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-2,3,7,8-TCDD	77.0		25-164	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8-PeCDD	51.0		25-181	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	72.0		32-141	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	76.0		28-130	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	54.0		23-140	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-OCDD	47.0		17-157	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-2,3,7,8-TCDF	77.0		24-169	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8-PeCDF	61.0		24-185	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-2,3,4,7,8-PeCDF	55.0		21-178	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	72.0		26-152	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	72.0		26-123	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	67.0		29-147	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	78.0		28-136	%	07-NOV-20	13-NOV-20	R5285969

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2526941-1 EV20110024-1 Sampled By: Client on 05-NOV-20 @ 08:00 Matrix: Soil							
Dioxins and Furans HR 1613B							
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	53.0		28-143	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	45.0		26-138	%	07-NOV-20	13-NOV-20	R5285969
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	83.0	M	35-197	%	07-NOV-20	13-NOV-20	R5285969
Lower Bound PCDD/F TEQ (WHO 2005)	4.20			pg/g	07-NOV-20	13-NOV-20	R5285969
Mid Point PCDD/F TEQ (WHO 2005)	5.22			pg/g	07-NOV-20	13-NOV-20	R5285969
Upper Bound PCDD/F TEQ (WHO 2005)	5.22			pg/g	07-NOV-20	13-NOV-20	R5285969
Note: The results for 2,3,4,7,8,9-HxCDF may be elevated somewhat due to a nearby nonachlorodiphenylether							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M	A peak has been manually integrated.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
RRR	Refer to Report Remarks for issues regarding this analysis
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DX-1613B-HRMS-BU	Soil	Dioxins and Furans HR 1613B	USEPA 1613B
Samples are extracted by Soxhlet. The extracts are prepared using column chromatography, reduced in volume and analyzed by isotope-dilution GC/HRMS			
MOISTURE-BU	Soil	% Moisture	CCME PHC in Soil - Tier 1 (mod)
This method is used to determine the percent moisture in a sample. Samples are homogenized, moisture is removed by heating at 105°C until constant mass is achieved. The residues are measured gravimetrically and the difference in weight between the wet sample and the dried sample is used to determine the moisture content. This percent moisture can be used, in conjunction with analytical results, to report data on a dry weight basis.			
PCB-1668-OC2-HRMS-BU	Soil	PCB Congeners short run SPB-Octyl Column	EPA 1668A

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:
GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2526941

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Client: ALS Environmental - Everett
 8620 Holly Drive, Suite 100
 Everett WA 98208

Contact: Glen Perry

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
2,3,7,8-TCDD		0.612	0.706		pg/g	14	50	14-NOV-20
1,2,3,7,8-PeCDD		0.77	0.730		pg/g	5.3	50	14-NOV-20
1,2,3,4,7,8-HxCDD		0.98	1.10		pg/g	12	50	14-NOV-20
1,2,3,6,7,8-HxCDD		5.63	5.26		pg/g	6.8	50	14-NOV-20
1,2,3,7,8,9-HxCDD		2.67	2.85		pg/g	6.5	50	14-NOV-20
1,2,3,4,6,7,8-HpCDD		115	122		pg/g	5.9	50	14-NOV-20
OCDD		1140	1200		pg/g	5.1	50	14-NOV-20
2,3,7,8-TCDF		1.16	1.13		pg/g	2.6	50	14-NOV-20
1,2,3,7,8-PeCDF		0.76	0.80		pg/g	6.2	50	14-NOV-20
2,3,4,7,8-PeCDF		1.99	1.99		pg/g	0.0	50	14-NOV-20
1,2,3,4,7,8-HxCDF		1.30	1.73		pg/g	28	50	14-NOV-20
1,2,3,6,7,8-HxCDF		0.99	1.38		pg/g	33	50	14-NOV-20
2,3,4,6,7,8-HxCDF		1.12	2.43	G	pg/g	74	50	14-NOV-20
1,2,3,7,8,9-HxCDF		0.63	0.47		pg/g	29	50	14-NOV-20
1,2,3,4,6,7,8-HpCDF		24.1	26.3		pg/g	8.7	50	14-NOV-20
1,2,3,4,7,8,9-HpCDF		1.70	1.54		pg/g	9.9	50	14-NOV-20
OCDF		56.7	60.0		pg/g	5.7	50	14-NOV-20
Total-TCDD		7.78	8.90		pg/g	13	50	14-NOV-20
Total-PeCDD		4.64	4.03		pg/g	14	50	14-NOV-20
Total-HxCDD		32.7	41.4		pg/g	23	50	14-NOV-20
Total-HpCDD		228	241		pg/g	5.5	50	14-NOV-20
Total-TCDF		18.3	21.6		pg/g	17	50	14-NOV-20
Total-PeCDF		33.9	34.1		pg/g	0.6	50	14-NOV-20
Total-HxCDF		38.7	40.8		pg/g	5.3	50	14-NOV-20
Total-HpCDF		68.9	67.6		pg/g	1.9	50	14-NOV-20

COMMENTS: The results for 2,3,4,7,8,9-HxCDF may be elevated somewhat due to a nearby nonachlorodiphenylether

WG3440837-2	LCS							
2,3,7,8-TCDD			89.0		%		67-158	13-NOV-20
1,2,3,7,8-PeCDD			103.0		%		70-142	13-NOV-20
1,2,3,4,7,8-HxCDD			97.0		%		70-164	13-NOV-20
1,2,3,6,7,8-HxCDD			96.0		%		76-134	13-NOV-20
1,2,3,7,8,9-HxCDD			103.0		%		64-162	13-NOV-20
1,2,3,4,6,7,8-HpCDD			94.0		%		70-140	13-NOV-20
OCDD			95.0		%		78-144	13-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU	Soil							
Batch	R5285969							
WG3440837-2	LCS							
2,3,7,8-TCDF			97.0		%		75-158	13-NOV-20
1,2,3,7,8-PeCDF			98.0		%		80-134	13-NOV-20
2,3,4,7,8-PeCDF			89.0		%		68-160	13-NOV-20
1,2,3,4,7,8-HxCDF			95.0		%		72-134	13-NOV-20
1,2,3,6,7,8-HxCDF			96.0		%		84-130	13-NOV-20
2,3,4,6,7,8-HxCDF			96.0		%		70-156	13-NOV-20
1,2,3,7,8,9-HxCDF			99.0		%		78-130	13-NOV-20
1,2,3,4,6,7,8-HpCDF			101.0		%		82-122	13-NOV-20
1,2,3,4,7,8,9-HpCDF			99.0		%		78-138	13-NOV-20
OCDF			87.0		%		63-170	13-NOV-20
WG3440837-1	MB							
2,3,7,8-TCDD			<0.027	[U]	pg/g		0.027	13-NOV-20
1,2,3,7,8-PeCDD			<0.012	[U]	pg/g		0.012	13-NOV-20
1,2,3,4,7,8-HxCDD			<0.019	[U]	pg/g		0.019	13-NOV-20
1,2,3,6,7,8-HxCDD			0.029	M,J,R	pg/g		0.018	13-NOV-20
1,2,3,7,8,9-HxCDD			<0.019	M,J,R	pg/g		0.019	13-NOV-20
1,2,3,4,6,7,8-HpCDD			<0.017	[U]	pg/g		0.017	13-NOV-20
OCDD			0.300	M,J,R	pg/g		0.02	13-NOV-20
2,3,7,8-TCDF			<0.015	[U]	pg/g		0.015	13-NOV-20
1,2,3,7,8-PeCDF			<0.016	[U]	pg/g		0.016	13-NOV-20
2,3,4,7,8-PeCDF			<0.014	[U]	pg/g		0.014	13-NOV-20
1,2,3,4,7,8-HxCDF			<0.0088	[U]	pg/g		0.0088	13-NOV-20
1,2,3,6,7,8-HxCDF			<0.0089	[U]	pg/g		0.0089	13-NOV-20
2,3,4,6,7,8-HxCDF			<0.0086	[U]	pg/g		0.0086	13-NOV-20
1,2,3,7,8,9-HxCDF			0.037	[J]	pg/g		0.011	13-NOV-20
1,2,3,4,6,7,8-HpCDF			0.0480	[J]	pg/g		0.0085	13-NOV-20
1,2,3,4,7,8,9-HpCDF			<0.012	[U]	pg/g		0.012	13-NOV-20
OCDF			0.200	M,J,R	pg/g		0.028	13-NOV-20
Total-TCDD			<0.027	[U]	pg/g		0.027	13-NOV-20
Total-PeCDD			<0.012	[U]	pg/g		0.012	13-NOV-20
Total-HxCDD			<0.019	[U]	pg/g		0.019	13-NOV-20
Total-HpCDD			<0.017	[U]	pg/g		0.017	13-NOV-20
Total-TCDF			<0.015	[U]	pg/g		0.015	13-NOV-20
Total-PeCDF			<0.016	[U]	pg/g		0.016	13-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch R5285969								
WG3440837-1 MB								
Total-HxCDF			0.037	A	pg/g		0.011	13-NOV-20
Total-HpCDF			0.048	A	pg/g		0.012	13-NOV-20
Surrogate: 13C12-2,3,7,8-TCDD			68.0		%		25-164	13-NOV-20
Surrogate: 13C12-1,2,3,7,8-PeCDD			67.0		%		25-181	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8-HxCDD			75.0		%		32-141	13-NOV-20
Surrogate: 13C12-1,2,3,6,7,8-HxCDD			75.0		%		28-130	13-NOV-20
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD			75.0		%		23-140	13-NOV-20
Surrogate: 13C12-OCDD			75.0		%		17-157	13-NOV-20
Surrogate: 13C12-2,3,7,8-TCDF			70.0		%		24-169	13-NOV-20
Surrogate: 13C12-1,2,3,7,8-PeCDF			66.0		%		24-185	13-NOV-20
Surrogate: 13C12-2,3,4,7,8-PeCDF			67.0		%		21-178	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8-HxCDF			71.0		%		26-152	13-NOV-20
Surrogate: 13C12-1,2,3,6,7,8-HxCDF			74.0		%		26-123	13-NOV-20
Surrogate: 13C12-2,3,4,6,7,8-HxCDF			73.0		%		29-147	13-NOV-20
Surrogate: 13C12-1,2,3,7,8,9-HxCDF			72.0		%		28-136	13-NOV-20
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF			73.0		%		28-143	13-NOV-20
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF			66.0		%		26-138	13-NOV-20
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)			64.0		%		35-197	13-NOV-20

COMMENTS: There were low levels of select targets detected in the method blank that were within the reference method control limits.

MOISTURE-BU		Soil						
Batch R5282817								
WG3440849-3 DUP		L2526941-1						
% Moisture		24.7	23.4		%	5.4	20	09-NOV-20
WG3440849-2 LCS								
% Moisture			99.3		%		90-110	09-NOV-20
WG3440849-1 MB								
% Moisture			<0.10		%		0.3	09-NOV-20

PCB-1668-OC2-HRMS-BU		Soil						
Batch R5285969								
WG3440837-4 DUP		L2526941-1						
PCB 1		4.94	5.35		ng/kg	8.0	50	15-NOV-20
PCB 2		6.84	4.56		ng/kg	40	50	15-NOV-20
PCB 3		9.94	8.13		ng/kg	20	50	15-NOV-20
PCB 4		<10	9.9	G	ng/kg	N/A	50	15-NOV-20
PCB 10		<5.5	<0.89	RPD-NA	ng/kg	N/A	50	15-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
PCB 9		<5.5	<0.88	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 7		<5.3	<0.85	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 6		<5.5	4.50	G	ng/kg	N/A	50	15-NOV-20
PCB 5		<5.9	<0.95	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 8		15.9	16.1		ng/kg	1.3	50	15-NOV-20
PCB 14		<1.1	<0.24	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 11		26.8	27.0		ng/kg	0.7	50	15-NOV-20
PCB 13/12		5.1	5.28		ng/kg	3.3	50	15-NOV-20
PCB 15		41.0	43.7		ng/kg	6.4	50	15-NOV-20
PCB 19		10.5	9.33		ng/kg	12	50	15-NOV-20
PCB 30/18		58.3	62.8		ng/kg	7.4	50	15-NOV-20
PCB 17		25.7	26.8		ng/kg	4.2	50	15-NOV-20
PCB 27		5.90	6.21		ng/kg	5.1	50	15-NOV-20
PCB 24		1.00	1.02		ng/kg	2.0	50	15-NOV-20
PCB 16		23.9	27.1		ng/kg	13	50	15-NOV-20
PCB 32		27.5	29.0		ng/kg	5.3	50	15-NOV-20
PCB 34		<0.56	<0.27	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 23		<0.53	<0.25	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 29/26		15.6	18.7		ng/kg	18	50	15-NOV-20
PCB 25		6.77	7.63		ng/kg	12	50	15-NOV-20
PCB 31		86.9	102		ng/kg	16	50	15-NOV-20
PCB 28/20		108	141		ng/kg	27	50	15-NOV-20
PCB 21/33		23.4	32.1		ng/kg	31	50	15-NOV-20
PCB 22		31.5	45.0		ng/kg	35	50	15-NOV-20
PCB 36		3.57	3.97		ng/kg	11	50	15-NOV-20
PCB 39		1.12	1.22		ng/kg	8.5	50	15-NOV-20
PCB 38		0.87	0.53		ng/kg	49	50	15-NOV-20
PCB 35		2.20	2.91		ng/kg	28	50	15-NOV-20
PCB 37		50.4	58.8		ng/kg	15	50	15-NOV-20
PCB 54		0.65	0.538		ng/kg	19	50	15-NOV-20
PCB 50/53		30.2	24.3		ng/kg	22	50	15-NOV-20
PCB 45/51		28.8	25.8		ng/kg	11	50	15-NOV-20
PCB 46		8.94	8.18		ng/kg	8.9	50	15-NOV-20
PCB 52		469	448		ng/kg	4.6	50	15-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
PCB 73		<0.20	<0.065	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 43		5.41	4.77		ng/kg	13	50	15-NOV-20
PCB 69/49		158	148		ng/kg	6.5	50	15-NOV-20
PCB 48		23.8	23.9		ng/kg	0.4	50	15-NOV-20
PCB 44/47/65		229	216		ng/kg	5.8	50	15-NOV-20
PCB 59/62/75		14.0	13.0		ng/kg	7.4	50	15-NOV-20
PCB 42		39.3	38.7		ng/kg	1.5	50	15-NOV-20
PCB 41/71/40		70.4	73.8		ng/kg	4.7	50	15-NOV-20
PCB 64		84.3	73.5		ng/kg	14	50	15-NOV-20
PCB 72		2.51	2.18		ng/kg	14	50	15-NOV-20
PCB 68		2.07	1.69		ng/kg	20	50	15-NOV-20
PCB 57		0.72	0.66		ng/kg	8.1	50	15-NOV-20
PCB 58		22.6	23.2		ng/kg	2.6	50	15-NOV-20
PCB 67		3.59	3.48		ng/kg	3.1	50	15-NOV-20
PCB 63		6.75	6.83		ng/kg	1.2	50	15-NOV-20
PCB 61/70/74/76		459	512		ng/kg	11	50	15-NOV-20
PCB 66		171	183		ng/kg	6.8	50	15-NOV-20
PCB 55		2.83	2.65		ng/kg	6.6	50	15-NOV-20
PCB 56		70.4	79.3		ng/kg	12	50	15-NOV-20
PCB 60		34.2	38.8		ng/kg	13	50	15-NOV-20
PCB 80		<0.25	<0.10	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 79		7.67	8.32		ng/kg	8.1	50	15-NOV-20
PCB 78		<0.31	0.23	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 81		1.49	1.30		ng/kg	14	50	15-NOV-20
PCB 77		31.7	33.1		ng/kg	4.3	50	15-NOV-20
PCB 104		<0.24	0.095	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 96		3.72	3.57		ng/kg	4.1	50	15-NOV-20
PCB 103		5.18	4.50		ng/kg	14	50	15-NOV-20
PCB 94		3.14	2.66		ng/kg	17	50	15-NOV-20
PCB 95		721	712		ng/kg	1.3	50	15-NOV-20
PCB 100/93/102/98		20.2	19.5		ng/kg	3.5	50	15-NOV-20
PCB 88/91		121	122		ng/kg	0.8	50	15-NOV-20
PCB 84		200	211		ng/kg	5.4	50	15-NOV-20
PCB 89		5.28	5.51		ng/kg	4.3	50	15-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
PCB 121		<0.31	<0.13	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 92		192	198		ng/kg	3.1	50	15-NOV-20
PCB 113/90/101		957	1040		ng/kg	8.3	50	15-NOV-20
PCB 83/99		571	568		ng/kg	0.5	50	15-NOV-20
PCB 112		<0.30	<0.13	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 108/119/86/97/125/87		595	645		ng/kg	8.1	50	15-NOV-20
PCB 117/116/85/110/115		1390	1540		ng/kg	10	50	15-NOV-20
PCB 82		90.8	107		ng/kg	16	50	15-NOV-20
PCB 111		0.78	0.61		ng/kg	24	50	15-NOV-20
PCB 120		1.88	1.57		ng/kg	18	50	15-NOV-20
PCB 107/124		40.3	46.1		ng/kg	13	50	15-NOV-20
PCB 109		62.2	68.9		ng/kg	10	50	15-NOV-20
PCB 123		17.5	20.6		ng/kg	16	50	15-NOV-20
PCB 106		<0.52	<0.16	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 118		927	1030		ng/kg	11	50	15-NOV-20
PCB 122		11.2	12.2		ng/kg	8.5	50	15-NOV-20
PCB 114		17.5	21.1		ng/kg	19	50	15-NOV-20
PCB 105		422	478		ng/kg	12	50	15-NOV-20
PCB 127		1.19	1.55		ng/kg	26	50	15-NOV-20
PCB 126		5.05	5.28		ng/kg	4.5	50	15-NOV-20
PCB 155		0.16	0.109		ng/kg	39	50	15-NOV-20
PCB 152		0.74	0.834		ng/kg	12	50	15-NOV-20
PCB 150		1.24	1.13		ng/kg	9.3	50	15-NOV-20
PCB 136		112	122		ng/kg	8.5	50	15-NOV-20
PCB 145		0.38	0.403		ng/kg	6.9	50	15-NOV-20
PCB 148		1.71	1.10		ng/kg	43	50	15-NOV-20
PCB 151/135		296	329		ng/kg	11	50	15-NOV-20
PCB 154		8.19	7.48		ng/kg	9.1	50	15-NOV-20
PCB 144		38.2	38.5		ng/kg	0.8	50	15-NOV-20
PCB 147/149		736	821		ng/kg	11	50	15-NOV-20
PCB 134/143		54.0	61.7		ng/kg	13	50	15-NOV-20
PCB 139/140		18.4	19.9		ng/kg	7.8	50	15-NOV-20
PCB 131		13.1	14.7		ng/kg	12	50	15-NOV-20
PCB 142		<0.51	<0.32	RPD-NA	ng/kg	N/A	50	15-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
PCB 132		312	360		ng/kg	14	50	15-NOV-20
PCB 133		15.6	17.2		ng/kg	9.8	50	15-NOV-20
PCB 165		1.72	1.65		ng/kg	4.2	50	15-NOV-20
PCB 146		144	159		ng/kg	9.9	50	15-NOV-20
PCB 161		<0.34	<0.21	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 168/153		911	1020		ng/kg	11	50	15-NOV-20
PCB 141		164	192		ng/kg	16	50	15-NOV-20
PCB 130		<0.51	<0.32	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 137/164		122	141		ng/kg	14	50	15-NOV-20
PCB 138/163/129		1240	1390		ng/kg	11	50	15-NOV-20
PCB 160		<0.30	<0.19	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 158		93.3	108		ng/kg	15	50	15-NOV-20
PCB 128/166		175	201		ng/kg	14	50	15-NOV-20
PCB 159		7.24	8.86		ng/kg	20	50	15-NOV-20
PCB 162		3.26	4.16		ng/kg	24	50	15-NOV-20
PCB 167		56.0	61.6		ng/kg	9.5	50	15-NOV-20
PCB 156/157		173	189		ng/kg	8.8	50	15-NOV-20
PCB 169		2.27	2.59		ng/kg	13	50	15-NOV-20
PCB 188		0.74	0.705		ng/kg	4.6	50	15-NOV-20
PCB 179		90.7	107		ng/kg	16	50	15-NOV-20
PCB 184		0.29	0.400		ng/kg	32	50	15-NOV-20
PCB 176		20.7	26.0		ng/kg	23	50	15-NOV-20
PCB 186		<0.28	<0.10	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 178		51.2	63.1		ng/kg	21	50	15-NOV-20
PCB 175		7.45	9.22		ng/kg	21	50	15-NOV-20
PCB 187		272	342		ng/kg	23	50	15-NOV-20
PCB 182		1.68	1.66		ng/kg	1.2	50	15-NOV-20
PCB 183		111	144		ng/kg	26	50	15-NOV-20
PCB 185		18.0	23.7		ng/kg	27	50	15-NOV-20
PCB 174		179	226		ng/kg	23	50	15-NOV-20
PCB 177		102	128		ng/kg	23	50	15-NOV-20
PCB 181		1.83	2.30		ng/kg	23	50	15-NOV-20
PCB 171/173		45.8	59.1		ng/kg	25	50	15-NOV-20
PCB 172		29.4	38.5		ng/kg	27	50	15-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
PCB 192		<0.30	<0.11	RPD-NA	ng/kg	N/A	50	15-NOV-20
PCB 180/193		357	466		ng/kg	26	50	15-NOV-20
PCB 191		5.95	6.84		ng/kg	14	50	15-NOV-20
PCB 170		143	185		ng/kg	26	50	15-NOV-20
PCB 190		34.6	46.2		ng/kg	29	50	15-NOV-20
PCB 189		9.01	10.1		ng/kg	11	50	15-NOV-20
PCB 202		51.8	60.8		ng/kg	16	50	15-NOV-20
PCB 201		23.4	27.4		ng/kg	16	50	15-NOV-20
PCB 204		0.34	0.190	J	ng/kg	0.150	0.46	15-NOV-20
PCB 197		5.93	7.05		ng/kg	17	50	15-NOV-20
PCB 200		17.2	22.8		ng/kg	28	50	15-NOV-20
PCB 198/199		165	220		ng/kg	29	50	15-NOV-20
PCB 196		50.5	72.3		ng/kg	36	50	15-NOV-20
PCB 203		107	149		ng/kg	33	50	15-NOV-20
PCB 195		36.0	43.0		ng/kg	18	50	15-NOV-20
PCB 194		87.1	125		ng/kg	36	50	15-NOV-20
PCB 205		6.72	7.46		ng/kg	10	50	15-NOV-20
PCB 208		71.0	80.5		ng/kg	13	50	15-NOV-20
PCB 207		20.0	22.4		ng/kg	11	50	15-NOV-20
PCB 206		181	222		ng/kg	20	50	15-NOV-20
PCB 209		268	287		ng/kg	6.8	50	15-NOV-20
Total MonoCB		21.7	18.0		ng/kg	19	50	15-NOV-20
Total DiCB		88.8	106		ng/kg	18	50	15-NOV-20
Total TriCB		483	576		ng/kg	18	50	15-NOV-20
Total TetraCB		1980	2000		ng/kg	1.0	50	15-NOV-20
Total PentaCB		6380	6860		ng/kg	7.3	50	15-NOV-20
Total HexaCB		4700	5270		ng/kg	11	50	15-NOV-20
Total HeptaCB		1480	1890		ng/kg	24	50	15-NOV-20
Total OctaCB		551	735		ng/kg	29	50	15-NOV-20
Total NonaCB		272	325		ng/kg	18	50	15-NOV-20
DecaCB		268	287		ng/kg	6.8	50	15-NOV-20
Total PCB		16200	18100		ng/kg	11	50	15-NOV-20
Sample Size		15.2	15.7		g	3.2	150	15-NOV-20
Extract Final Volume		25.0	25.0		ul	0.0	150	15-NOV-20

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PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-4	DUP	L2526941-1						
COMMENTS: PCB-4 and PCB-6 failed the duplicate criteria. All other targets replicate well								
WG3440837-2	LCS							
PCB 1			95.0		%		50-150	15-NOV-20
PCB 3			94.0		%		50-150	15-NOV-20
PCB 4			114.0		%		50-150	15-NOV-20
PCB 15			98.0		%		50-150	15-NOV-20
PCB 19			108.0		%		50-150	15-NOV-20
PCB 37			100.0		%		50-150	15-NOV-20
PCB 54			109.0		%		50-150	15-NOV-20
PCB 81			98.0		%		50-150	15-NOV-20
PCB 77			98.0		%		50-150	15-NOV-20
PCB 104			97.0		%		50-150	15-NOV-20
PCB 123			97.0		%		50-150	15-NOV-20
PCB 118			96.0		%		50-150	15-NOV-20
PCB 114			95.0		%		50-150	15-NOV-20
PCB 105			97.0		%		50-150	15-NOV-20
PCB 126			97.0		%		50-150	15-NOV-20
PCB 155			100.0		%		50-150	15-NOV-20
PCB 167			102.0		%		50-150	15-NOV-20
PCB 156/157			102.0		%		50-150	15-NOV-20
PCB 169			103.0		%		50-150	15-NOV-20
PCB 188			99.0		%		50-150	15-NOV-20
PCB 189			99.0		%		50-150	15-NOV-20
PCB 202			106.0		%		50-150	15-NOV-20
PCB 205			95.0		%		50-150	15-NOV-20
PCB 208			96.0		%		50-150	15-NOV-20
PCB 206			97.0		%		50-150	15-NOV-20
PCB 209			112.0		%		50-150	15-NOV-20
WG3440837-1	MB							
PCB 1			<0.080	[U]	ng/kg		5.882	15-NOV-20
PCB 2			0.088	M,J,R	ng/kg		5.882	15-NOV-20
PCB 3			0.094	[J]	ng/kg		5.882	15-NOV-20
PCB 4			<1.8	[U]	ng/kg		5.882	15-NOV-20
PCB 10			<0.77	[U]	ng/kg		5.882	15-NOV-20
PCB 9			<0.76	[U]	ng/kg		5.882	15-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 7			<0.74	[U]	ng/kg		5.882	15-NOV-20
PCB 6			<0.76	[U]	ng/kg		5.882	15-NOV-20
PCB 5			<0.82	[U]	ng/kg		5.882	15-NOV-20
PCB 8			<0.73	[U]	ng/kg		5.882	15-NOV-20
PCB 14			<0.21	[U]	ng/kg		5.882	15-NOV-20
PCB 11			1.95	[J]	ng/kg		2.941	15-NOV-20
PCB 13/12			<0.21	[U]	ng/kg		5.882	15-NOV-20
PCB 15			<0.17	[U]	ng/kg		5.882	15-NOV-20
PCB 19			<0.16	[U]	ng/kg		5.882	15-NOV-20
PCB 30/18			0.170	M,J,R	ng/kg		5.882	15-NOV-20
PCB 17			0.166	[J]	ng/kg		5.882	15-NOV-20
PCB 27			<0.061	[U]	ng/kg		5.882	15-NOV-20
PCB 24			<0.063	[U]	ng/kg		5.882	15-NOV-20
PCB 16			<0.10	[U]	ng/kg		5.882	15-NOV-20
PCB 32			<0.057	[U]	ng/kg		5.882	15-NOV-20
PCB 34			<0.076	[U]	ng/kg		5.882	15-NOV-20
PCB 23			<0.072	[U]	ng/kg		5.882	15-NOV-20
PCB 29/26			<0.071	[U]	ng/kg		5.882	15-NOV-20
PCB 25			<0.066	[U]	ng/kg		5.882	15-NOV-20
PCB 31			0.270	J,R	ng/kg		5.882	15-NOV-20
PCB 28/20			0.310	J,R	ng/kg		5.882	15-NOV-20
PCB 21/33			0.230	J,R	ng/kg		5.882	15-NOV-20
PCB 22			0.119	[J]	ng/kg		5.882	15-NOV-20
PCB 36			<0.065	[U]	ng/kg		5.882	15-NOV-20
PCB 39			<0.067	[U]	ng/kg		5.882	15-NOV-20
PCB 38			<0.076	[U]	ng/kg		5.882	15-NOV-20
PCB 35			<0.073	[U]	ng/kg		5.882	15-NOV-20
PCB 37			0.140	M,J,R	ng/kg		5.882	15-NOV-20
PCB 54			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 50/53			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 45/51			0.054	M,J,R	ng/kg		5.882	15-NOV-20
PCB 46			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 52			0.260	J,R	ng/kg		2.941	15-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 73			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 43			<0.036	[U]	ng/kg		5.882	15-NOV-20
PCB 69/49			0.120	J,R	ng/kg		5.882	15-NOV-20
PCB 48			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 44/47/65			0.395	M,J	ng/kg		5.882	15-NOV-20
PCB 59/62/75			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 42			0.050	J,R	ng/kg		5.882	15-NOV-20
PCB 41/71/40			0.066	J,R	ng/kg		5.882	15-NOV-20
PCB 64			0.079	J,R	ng/kg		5.882	15-NOV-20
PCB 72			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 68			0.046	[J]	ng/kg		5.882	15-NOV-20
PCB 57			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 58			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 67			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 63			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 61/70/74/76			0.265	[J]	ng/kg		5.882	15-NOV-20
PCB 66			0.118	[J]	ng/kg		5.882	15-NOV-20
PCB 55			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 56			0.055	[J]	ng/kg		5.882	15-NOV-20
PCB 60			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 80			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 79			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 78			<0.027	[U]	ng/kg		5.882	15-NOV-20
PCB 81			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 77			<0.028	M,U	ng/kg		5.882	15-NOV-20
PCB 104			<0.030	[U]	ng/kg		5.882	15-NOV-20
PCB 96			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 103			<0.043	[U]	ng/kg		5.882	15-NOV-20
PCB 94			<0.049	[U]	ng/kg		5.882	15-NOV-20
PCB 95			0.154	[J]	ng/kg		5.882	15-NOV-20
PCB 100/93/102/98			<0.046	[U]	ng/kg		5.882	15-NOV-20
PCB 88/91			<0.047	[U]	ng/kg		5.882	15-NOV-20
PCB 84			<0.052	[U]	ng/kg		5.882	15-NOV-20



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 89			<0.051	[U]	ng/kg		5.882	15-NOV-20
PCB 121			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 92			<0.048	[U]	ng/kg		5.882	15-NOV-20
PCB 113/90/101			0.169	[J]	ng/kg		5.882	15-NOV-20
PCB 83/99			<0.047	[U]	ng/kg		5.882	15-NOV-20
PCB 112			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 108/119/86/97/125/87			0.133	M,J	ng/kg		5.882	15-NOV-20
PCB 117/116/85/110/115			0.255	M,J	ng/kg		5.882	15-NOV-20
PCB 82			<0.057	[U]	ng/kg		5.882	15-NOV-20
PCB 111			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 120			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 107/124			<0.032	[U]	ng/kg		5.882	15-NOV-20
PCB 109			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 123			<0.036	[U]	ng/kg		5.882	15-NOV-20
PCB 106			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 118			0.133	[J]	ng/kg		5.882	15-NOV-20
PCB 122			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 114			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 105			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 127			<0.031	[U]	ng/kg		5.882	15-NOV-20
PCB 126			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 155			<0.028	[U]	ng/kg		5.882	15-NOV-20
PCB 152			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 150			<0.017	[U]	ng/kg		5.882	15-NOV-20
PCB 136			<0.018	M,U	ng/kg		5.882	15-NOV-20
PCB 145			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 148			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 151/135			0.039	M,J	ng/kg		5.882	15-NOV-20
PCB 154			<0.020	[U]	ng/kg		5.882	15-NOV-20
PCB 144			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 147/149			0.127	[J]	ng/kg		5.882	15-NOV-20
PCB 134/143			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 139/140			<0.021	[U]	ng/kg		5.882	15-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5285969								
WG3440837-1 MB								
PCB 131			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 142			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 132			0.039	M,J,R	ng/kg		5.882	15-NOV-20
PCB 133			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 165			<0.018	[U]	ng/kg		5.882	15-NOV-20
PCB 146			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 161			<0.017	[U]	ng/kg		5.882	15-NOV-20
PCB 168/153			0.111	[J]	ng/kg		2.941	15-NOV-20
PCB 141			<0.022	[U]	ng/kg		5.882	15-NOV-20
PCB 130			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 137/164			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 138/163/129			0.172	[J]	ng/kg		5.882	15-NOV-20
PCB 160			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 158			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 128/166			0.026	M,J,R	ng/kg		5.882	15-NOV-20
PCB 159			<0.016	[U]	ng/kg		5.882	15-NOV-20
PCB 162			<0.016	[U]	ng/kg		5.882	15-NOV-20
PCB 167			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 156/157			0.039	[J]	ng/kg		11.764	15-NOV-20
PCB 169			<0.016	M,U	ng/kg		5.882	15-NOV-20
PCB 188			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 179			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 184			<0.024	[U]	ng/kg		5.882	15-NOV-20
PCB 176			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 186			<0.026	[U]	ng/kg		5.882	15-NOV-20
PCB 178			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 175			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 187			0.071	[J]	ng/kg		5.882	15-NOV-20
PCB 182			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 183			<0.033	[U]	ng/kg		5.882	15-NOV-20
PCB 185			<0.034	[U]	ng/kg		5.882	15-NOV-20
PCB 174			0.044	J,R	ng/kg		5.882	15-NOV-20
PCB 177			<0.037	[U]	ng/kg		5.882	15-NOV-20



Quality Control Report

Workorder: L2526941

Report Date: 16-NOV-20

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-1	MB							
PCB 181			<0.035	[U]	ng/kg		5.882	15-NOV-20
PCB 171/173			<0.038	[U]	ng/kg		5.882	15-NOV-20
PCB 172			<0.037	[U]	ng/kg		5.882	15-NOV-20
PCB 192			<0.029	[U]	ng/kg		5.882	15-NOV-20
PCB 180/193			0.148	[J]	ng/kg		2.941	15-NOV-20
PCB 191			<0.027	[U]	ng/kg		5.882	15-NOV-20
PCB 170			<0.039	M,J,R	ng/kg		5.882	15-NOV-20
PCB 190			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 189			<0.019	[U]	ng/kg		5.882	15-NOV-20
PCB 202			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 201			0.015	[J]	ng/kg		5.882	15-NOV-20
PCB 204			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 197			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 200			<0.013	[U]	ng/kg		5.882	15-NOV-20
PCB 198/199			0.066	J,R	ng/kg		5.882	15-NOV-20
PCB 196			0.031	M,J,R	ng/kg		5.882	15-NOV-20
PCB 203			0.041	J,R	ng/kg		5.882	15-NOV-20
PCB 195			<0.015	[U]	ng/kg		5.882	15-NOV-20
PCB 194			0.110	M,J,R	ng/kg		5.882	15-NOV-20
PCB 205			<0.011	[U]	ng/kg		5.882	15-NOV-20
PCB 208			<0.025	[U]	ng/kg		5.882	15-NOV-20
PCB 207			<0.021	[U]	ng/kg		5.882	15-NOV-20
PCB 206			<0.023	[U]	ng/kg		5.882	15-NOV-20
PCB 209			<0.021	[U]	ng/kg		5.882	15-NOV-20
Surrogate: 13C12 PCB 1			22.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 3			37.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 4			43.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 15			46.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 19			45.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 37			58.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 54			53.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 81			64.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 77			61.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 104			61.0		%		10-145	15-NOV-20



Quality Control Report

Workorder: L2526941

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5285969							
WG3440837-1 MB								
Surrogate: 13C12 PCB 123			63.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 118			64.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 114			66.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 105			67.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 126			65.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 155			32.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 167			68.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 156/157			70.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 169			76.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 188			38.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 189			78.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 202			57.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 205			76.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 208			36.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 206			73.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 209			50.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 28 Cleanup			58.0		%		5-145	15-NOV-20
Surrogate: 13C12 PCB 111 Cleanup			66.0		%		10-145	15-NOV-20
Surrogate: 13C12 PCB 178 Cleanup			74.0		%		10-145	15-NOV-20
Total MonoCB			0.182	[J]	ng/kg		11.765	15-NOV-20
Total DiCB			1.95	[J]	ng/kg		23.529	15-NOV-20
Total TriCB			1.41	[J]	ng/kg		23.529	15-NOV-20
Total TetraCB			1.51	[J]	ng/kg		47.059	15-NOV-20
Total PentaCB			0.844	[J]	ng/kg		47.059	15-NOV-20
Total HexaCB			0.553	[J]	ng/kg		47.059	15-NOV-20
Total HeptaCB			0.263	[J]	ng/kg		23.529	15-NOV-20
Total OctaCB			0.263	[J]	ng/kg		23.529	15-NOV-20
Total NonaCB			<0.021	[U]	ng/kg		11.765	15-NOV-20
DecaCB			<0.021	[U]	ng/kg		11.765	15-NOV-20
Total PCB			7.0	[J]	ng/kg		94.118	15-NOV-20
Sample Size			17.0		g		25	15-NOV-20
Extract Final Volume			25.0		ul		50	15-NOV-20

Quality Control Report

Workorder: L2526941

Report Date: 16-NOV-20

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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

L2526941

Date 11/5/20 Page 1 of 1

PROJECT ID: EV20110024					ANALYSIS REQUESTED										OTHER (Specify)				
REPORT TO COMPANY: ALS Everett					NWTPH-HCID NWTPH-DX NWTPH-GX BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	ADDRESS: 8620 Holly Drive #100 Everett WA 98208		PCB Congeners 1668A		Dioxin Furans 1613									
PROJECT MANAGER: Glen Perry						ADDRESS: 425 3562100 PO.# EV20110024													
E-MAIL:						ATTENTION: Same													
INVOICE TO COMPANY:						ADDRESS:													
SAMPLE I.D.						DATE		TIME		TYPE		LAB#		NUMBER OF CONTAINERS		RECEIVED IN GOOD CONDITION?			
1. EV20110024.1						11/5/20		800		Soil				X		X			
2.																			
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

SPECIAL INSTRUCTIONS: Standard TAT

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: Alan Brown ALS 11/5/20 1:00
 Received By: ARRAN BURTON 6 NOV-2020 13:50 9.6°C
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis
 10 Standard 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis
 5 Standard 3 1 SAME DAY

OTHER: _____
 Specify: _____

*Turnaround request less than standard may incur Rush Charges



November 11, 2020

Mr. Mike Bursey
Granite Construction Co.
1525 E. Marine View Dr.
Everett, WA 98201

Dear Mr. Bursey,

On November 5th, 1 sample was received by our laboratory and assigned our laboratory project number EV20110019. The project was identified as your Port of Everett. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Granite Construction Co. 1525 E. Marine View Dr. Everett, WA 98201	DATE:	11/11/2020
CLIENT CONTACT:	Mike Bursey	ALS JOB#:	EV20110019
CLIENT PROJECT:	Port of Everett	ALS SAMPLE#:	EV20110019-01
CLIENT SAMPLE ID	Port Everett	DATE RECEIVED:	11/05/2020
		COLLECTION DATE:	11/2/2020 8:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	
						DATE	BY
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Mercury	EPA-7471	0.028	0.020	1	MG/KG	11/05/2020	RAL
Arsenic	EPA-6020	3.8	0.20	1	MG/KG	11/05/2020	RAL
Cadmium	EPA-6020	0.12	0.10	1	MG/KG	11/05/2020	RAL
Chromium	EPA-6020	25	0.10	1	MG/KG	11/05/2020	RAL
Copper	EPA-6020	24	0.20	1	MG/KG	11/05/2020	RAL
Lead	EPA-6020	2.8	0.10	1	MG/KG	11/05/2020	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	11/05/2020	RAL
Zinc	EPA-6020	38	0.50	1	MG/KG	11/05/2020	RAL

SURROGATE	METHOD	%REC	ANALYSIS	
			DATE	BY
Terphenyl-d14	EPA-8270 SIM	83.2	11/09/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Granite Construction Co. 1525 E. Marine View Dr. Everett, WA 98201	DATE:	11/11/2020
CLIENT CONTACT:	Mike Bursey	ALS SDG#:	EV20110019
CLIENT PROJECT:	Port of Everett	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-110620S - Batch 159461 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK

SUR09 - One or more surrogate recoveries were above the upper control limits. No target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes.

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R372380 - Batch R372380 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	11/05/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-110520S - Batch 159314 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	11/05/2020	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	11/05/2020	RAL
Chromium	EPA-6020	U	MG/KG	0.10	11/05/2020	RAL
Copper	EPA-6020	U	MG/KG	0.20	11/05/2020	RAL
Lead	EPA-6020	U	MG/KG	0.10	11/05/2020	RAL
Silver	EPA-6020	U	MG/KG	0.10	11/05/2020	RAL
Zinc	EPA-6020	U	MG/KG	0.88	11/05/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Granite Construction Co.
1525 E. Marine View Dr.
Everett, WA 98201

DATE: 11/11/2020
ALS SDG#: EV20110019
WDOE ACCREDITATION: C601

CLIENT CONTACT: Mike Bursey
CLIENT PROJECT: Port of Everett

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 159461 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	92.7			20	150	11/09/2020	JMK
Naphthalene - BSD	EPA-8270 SIM	95.4	3		20	150	11/09/2020	JMK
Benzo[A]Anthracene - BS	EPA-8270 SIM	74.0			20	150	11/09/2020	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	75.7	2		20	150	11/09/2020	JMK
Chrysene - BS	EPA-8270 SIM	79.0			20	150	11/09/2020	JMK
Chrysene - BSD	EPA-8270 SIM	94.9	18		20	150	11/09/2020	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	81.1			20	150	11/09/2020	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	82.1	1		20	150	11/09/2020	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	92.5			20	150	11/09/2020	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	99.1	7		20	150	11/09/2020	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	66.6			20	150	11/09/2020	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	68.8	3		20	150	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	88.3			20	150	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	89.9	2		20	150	11/09/2020	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	84.8			20	150	11/09/2020	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	85.6	1		20	150	11/09/2020	JMK
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	93.8			20	150	11/09/2020	JMK
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	98.8	5		20	150	11/09/2020	JMK

ALS Test Batch ID: R372380 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	109			81.8	117	11/05/2020	RAL
Mercury - BSD	EPA-7471	109	0		81.8	117	11/05/2020	RAL

ALS Test Batch ID: 159314 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	91.6			80	120	11/05/2020	RAL
Arsenic - BSD	EPA-6020	97.1	6		80	120	11/05/2020	RAL
Cadmium - BS	EPA-6020	96.5			80	120	11/05/2020	RAL
Cadmium - BSD	EPA-6020	103	7		80	120	11/05/2020	RAL
Chromium - BS	EPA-6020	93.1			80	120	11/05/2020	RAL
Chromium - BSD	EPA-6020	99.2	6		80	120	11/05/2020	RAL
Copper - BS	EPA-6020	98.0			80	120	11/05/2020	RAL
Copper - BSD	EPA-6020	103	5		80	120	11/05/2020	RAL
Lead - BS	EPA-6020	92.4			80	120	11/05/2020	RAL
Lead - BSD	EPA-6020	98.0	6		80	120	11/05/2020	RAL
Silver - BS	EPA-6020	96.7			80	120	11/05/2020	RAL

CERTIFICATE OF ANALYSIS

CLIENT:	Granite Construction Co. 1525 E. Marine View Dr. Everett, WA 98201	DATE:	11/11/2020
CLIENT CONTACT:	Mike Bursey	ALS SDG#:	EV20110019
CLIENT PROJECT:	Port of Everett	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Silver - BSD	EPA-6020	104	7		80	120	11/05/2020	RAL
Zinc - BS	EPA-6020	94.1			80	119	11/05/2020	RAL
Zinc - BSD	EPA-6020	100	6		80	119	11/05/2020	RAL

APPROVED BY



Laboratory Director



November 11, 2020

Mr. Kyle Gebhardt
Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

Dear Mr. Gebhardt,

On November 5th, 1 sample was received by our laboratory and assigned our laboratory project number EV20110024. The project was identified as your Baywood. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Strider Construction 4721 Northwest Dr Bellingham, WA 98226	DATE:	11/11/2020
CLIENT CONTACT:	Kyle Gebhardt	ALS JOB#:	EV20110024
CLIENT PROJECT:	Baywood	ALS SAMPLE#:	EV20110024-01
CLIENT SAMPLE ID	Type A Topsoil	DATE RECEIVED:	11/05/2020
		COLLECTION DATE:	11/5/2020 8:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
HCID-Gas Range	NWTPH-HCID	U	20	1	MG/KG	11/11/2020	JNF
HCID-Diesel Range	NWTPH-HCID	U	50	1	MG/KG	11/11/2020	JNF
HCID-Oil Range	NWTPH-HCID	U	100	1	MG/KG	11/11/2020	JNF
Benzo[A]Anthracene	EPA-8270 SIM	28	20	1	UG/KG	11/09/2020	JMK
Chrysene	EPA-8270 SIM	42	20	1	UG/KG	11/09/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	52	20	1	UG/KG	11/09/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	31	20	1	UG/KG	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/09/2020	JMK
Mercury	EPA-7471	0.092	0.020	1	MG/KG	11/10/2020	RAL
Arsenic	EPA-6020	9.2	0.20	1	MG/KG	11/10/2020	RAL
Cadmium	EPA-6020	0.31	0.10	1	MG/KG	11/10/2020	RAL
Chromium	EPA-6020	36	0.10	1	MG/KG	11/10/2020	RAL
Copper	EPA-6020	25	0.20	1	MG/KG	11/10/2020	RAL
Lead	EPA-6020	53	0.10	1	MG/KG	11/10/2020	RAL
Silver	EPA-6020	0.10	0.10	1	MG/KG	11/10/2020	RAL
Zinc	EPA-6020	92	0.50	1	MG/KG	11/10/2020	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
BCB	NWTPH-HCID	85.8	11/11/2020	JNF
C25	NWTPH-HCID	85.7	11/11/2020	JNF
Terphenyl-d14	EPA-8270 SIM	86.8	11/09/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
 4721 Northwest Dr
 Bellingham, WA 98226

CLIENT CONTACT: Kyle Gebhardt
 CLIENT PROJECT: Baywood

DATE: 11/11/2020
 ALS SDG#: EV20110024
 WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MB-110920S - Batch 159476 - Soil by NWTPH-HCID

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
HCID-Gas Range	NWTPH-HCID	U	MG/KG	20	11/11/2020	JNF
HCID-Diesel Range	NWTPH-HCID	U	MG/KG	50	11/11/2020	JNF
HCID-Oil Range	NWTPH-HCID	U	MG/KG	100	11/11/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-110620S - Batch 159461 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	11/09/2020	JMK

SUR09 - One or more surrogate recoveries were above the upper control limits. No target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes.

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R372442 - Batch R372442 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	11/10/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111020S - Batch 159474 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	11/10/2020	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	11/10/2020	RAL
Chromium	EPA-6020	U	MG/KG	0.10	11/10/2020	RAL
Copper	EPA-6020	U	MG/KG	0.20	11/10/2020	RAL
Lead	EPA-6020	U	MG/KG	0.10	11/10/2020	RAL
Silver	EPA-6020	U	MG/KG	0.10	11/10/2020	RAL
Zinc	EPA-6020	U	MG/KG	0.88	11/10/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
 4721 Northwest Dr
 Bellingham, WA 98226

CLIENT CONTACT: Kyle Gebhardt
 CLIENT PROJECT: Baywood

DATE: 11/11/2020
 ALS SDG#: EV20110024
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 159461 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	92.7			20	150	11/09/2020	JMK
Naphthalene - BSD	EPA-8270 SIM	95.4	3		20	150	11/09/2020	JMK
Benzo[A]Anthracene - BS	EPA-8270 SIM	74.0			20	150	11/09/2020	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	75.7	2		20	150	11/09/2020	JMK
Chrysene - BS	EPA-8270 SIM	79.0			20	150	11/09/2020	JMK
Chrysene - BSD	EPA-8270 SIM	94.9	18		20	150	11/09/2020	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	81.1			20	150	11/09/2020	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	82.1	1		20	150	11/09/2020	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	92.5			20	150	11/09/2020	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	99.1	7		20	150	11/09/2020	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	66.6			20	150	11/09/2020	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	68.8	3		20	150	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	88.3			20	150	11/09/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	89.9	2		20	150	11/09/2020	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	84.8			20	150	11/09/2020	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	85.6	1		20	150	11/09/2020	JMK
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	93.8			20	150	11/09/2020	JMK
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	98.8	5		20	150	11/09/2020	JMK

ALS Test Batch ID: R372442 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	106			81.8	117	11/10/2020	RAL
Mercury - BSD	EPA-7471	105	1		81.8	117	11/10/2020	RAL

ALS Test Batch ID: 159474 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	98.2			80	120	11/10/2020	RAL
Arsenic - BSD	EPA-6020	100	2		80	120	11/10/2020	RAL
Cadmium - BS	EPA-6020	102			80	120	11/10/2020	RAL
Cadmium - BSD	EPA-6020	105	3		80	120	11/10/2020	RAL
Chromium - BS	EPA-6020	98.5			80	120	11/10/2020	RAL
Chromium - BSD	EPA-6020	100	2		80	120	11/10/2020	RAL
Copper - BS	EPA-6020	102			80	120	11/10/2020	RAL
Copper - BSD	EPA-6020	105	2		80	120	11/10/2020	RAL
Lead - BS	EPA-6020	96.5			80	120	11/10/2020	RAL
Lead - BSD	EPA-6020	101	4		80	120	11/10/2020	RAL
Silver - BS	EPA-6020	101			80	120	11/10/2020	RAL

CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
 4721 Northwest Dr
 Bellingham, WA 98226

DATE: 11/11/2020
 ALS SDG#: EV20110024
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Kyle Gebhardt
 CLIENT PROJECT: Baywood

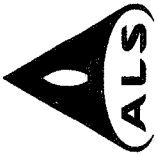
LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Silver - BSD	EPA-6020	105	4		80	120	11/10/2020	RAL
Zinc - BS	EPA-6020	101			80	119	11/10/2020	RAL
Zinc - BSD	EPA-6020	103	2		80	119	11/10/2020	RAL

APPROVED BY



Laboratory Director



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV20110024

Date 11/5/10 Page 1 Of 1

PROJECT ID:		ANALYSIS REQUESTED		
REPORT TO COMPANY:	PROJECT MANAGER:	OTHER (Specify)	RECEIVED IN GOOD CONDITION?	
Baywood	Kyle Gebhardt			
Strider Construction	4721 Northwest Drive			
Kyle Gebhardt	Bellingham WA 98226			
PHONE: 360 360 12370.#				
E-MAIL: Kyle@StriderConstruction.com				
INVOICE TO COMPANY: Strider Construction				
ATTENTION: Invoice Port of Everett				
ADDRESS:				
SAMPLE I.D.	DATE	TIME	TYPE	LAB#
1. Type A Topsoil	11/5/10	8:00	Soil	1
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

ANALYSIS REQUESTED

<input type="checkbox"/> NWTPH-HCID	<input checked="" type="checkbox"/>
<input type="checkbox"/> NWTPH-DX	
<input type="checkbox"/> NWTPH-GX	
<input type="checkbox"/> BTEX by EPA 8021	
<input type="checkbox"/> MTBE by EPA 8260	
<input type="checkbox"/> Halogenated Volatiles by EPA 8260	
<input type="checkbox"/> Volatile Organic Compounds by EPA 8260	
<input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water)	
<input type="checkbox"/> EDB / EDC by EPA 8260 (soil)	
<input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270	
<input checked="" type="checkbox"/> Polyyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	
<input type="checkbox"/> PCB by EPA 8082	
<input type="checkbox"/> Pesticides by EPA 8081	
<input type="checkbox"/> Metals-MTCA-5	
<input type="checkbox"/> RCRA-8	
<input type="checkbox"/> P1 Pol	
<input type="checkbox"/> TAL	
<input checked="" type="checkbox"/> Metals Other (Specify) <u>see list</u>	
<input type="checkbox"/> TCLP-Metals	
<input type="checkbox"/> VOA	
<input type="checkbox"/> Semi-Vol	
<input type="checkbox"/> Pest	
<input type="checkbox"/> Herbs	
<input checked="" type="checkbox"/> PCB congeners <u>1684</u>	
<input checked="" type="checkbox"/> Dioxin Furans <u>1613</u>	
<input type="checkbox"/> NUMBER OF CONTAINERS	<u>1</u>

SPECIAL INSTRUCTIONS CC: Report to jbaruse@pacifictrapsols.com CC: Elise at Port of Everett

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: [Signature]
 Received By: [Signature] ALS 11/5/10 1:00
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED IN BUSINESS DAYS*

Organic, Metals & Inorganic Analysis
 Standard SAME DAY
 1 2 3 4 5

Fuels & Hydrocarbon Analysis
 Standard SAME DAY
 1 2 3 4 5

OTHER: _____
 Specify: _____

*Turnaround request less than standard may incur Rush Charges



November 24, 2020

Mr. Kyle Gebhardt
Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

Dear Mr. Gebhardt,

On November 17th, 3 samples were received by our laboratory and assigned our laboratory project number EV20110093. The project was identified as your Baywood. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Manager



CERTIFICATE OF ANALYSIS

CLIENT:	Strider Construction 4721 Northwest Dr Bellingham, WA 98226	DATE:	11/24/2020
CLIENT CONTACT:	Kyle Gebhardt	ALS JOB#:	EV20110093
CLIENT PROJECT:	Baywood	ALS SAMPLE#:	EV20110093-01
CLIENT SAMPLE ID	1 Type A Soil	DATE RECEIVED:	11/17/2020
		COLLECTION DATE:	11/17/2020 11:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
HCID-Gas Range	NWTPH-HCID	U	20	1	MG/KG	11/19/2020	JNF
HCID-Diesel Range	NWTPH-HCID	U	50	1	MG/KG	11/19/2020	JNF
HCID-Oil Range	NWTPH-HCID	>100	100	1	MG/KG	11/19/2020	JNF
Benzo[A]Anthracene	EPA-8270 SIM	31	20	1	UG/KG	11/20/2020	JMK
Chrysene	EPA-8270 SIM	42	20	1	UG/KG	11/20/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	59	20	1	UG/KG	11/20/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	25	20	1	UG/KG	11/20/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	32	20	1	UG/KG	11/20/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	32	20	1	UG/KG	11/20/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/20/2020	JMK
Mercury	EPA-7471	0.070	0.020	1	MG/KG	11/17/2020	RAL
Arsenic	EPA-6020	5.6	0.20	1	MG/KG	11/18/2020	RAL
Cadmium	EPA-6020	0.25	0.10	1	MG/KG	11/18/2020	RAL
Chromium	EPA-6020	27	0.10	1	MG/KG	11/18/2020	RAL
Copper	EPA-6020	22	0.10	1	MG/KG	11/18/2020	RAL
Lead	EPA-6020	39	0.10	1	MG/KG	11/18/2020	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	11/18/2020	RAL
Zinc	EPA-6020	77	0.50	1	MG/KG	11/18/2020	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
BCB	NWTPH-HCID	75.4	11/19/2020	JNF
C25	NWTPH-HCID	79.3	11/19/2020	JNF
Terphenyl-d14	EPA-8270 SIM	96.5	11/20/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains an unidentified oil range product.



CERTIFICATE OF ANALYSIS

CLIENT:	Strider Construction 4721 Northwest Dr Bellingham, WA 98226	DATE:	11/24/2020
CLIENT CONTACT:	Kyle Gebhardt	ALS JOB#:	EV20110093
CLIENT PROJECT:	Baywood	ALS SAMPLE#:	EV20110093-02
CLIENT SAMPLE ID	2 Type A Soil	DATE RECEIVED:	11/17/2020
		COLLECTION DATE:	11/17/2020 11:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
HCID-Gas Range	NWTPH-HCID	U	20	1	MG/KG	11/19/2020	JNF
HCID-Diesel Range	NWTPH-HCID	U	50	1	MG/KG	11/19/2020	JNF
HCID-Oil Range	NWTPH-HCID	>100	100	1	MG/KG	11/19/2020	JNF
Benzo[A]Anthracene	EPA-8270 SIM	25	20	1	UG/KG	11/20/2020	JMK
Chrysene	EPA-8270 SIM	35	20	1	UG/KG	11/20/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	49	20	1	UG/KG	11/20/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	11/20/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	28	20	1	UG/KG	11/20/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	26	20	1	UG/KG	11/20/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/20/2020	JMK
Mercury	EPA-7471	0.073	0.020	1	MG/KG	11/17/2020	RAL
Arsenic	EPA-6020	5.8	0.20	1	MG/KG	11/18/2020	RAL
Cadmium	EPA-6020	0.31	0.10	1	MG/KG	11/18/2020	RAL
Chromium	EPA-6020	32	0.10	1	MG/KG	11/18/2020	RAL
Copper	EPA-6020	22	0.10	1	MG/KG	11/18/2020	RAL
Lead	EPA-6020	38	0.10	1	MG/KG	11/18/2020	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	11/18/2020	RAL
Zinc	EPA-6020	76	0.50	1	MG/KG	11/18/2020	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
BCB	NWTPH-HCID	79.7	11/19/2020	JNF
C25	NWTPH-HCID	85.6	11/19/2020	JNF
Terphenyl-d14	EPA-8270 SIM	90.4	11/20/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains an unidentified oil range product.



CERTIFICATE OF ANALYSIS

CLIENT:	Strider Construction 4721 Northwest Dr Bellingham, WA 98226	DATE:	11/24/2020
CLIENT CONTACT:	Kyle Gebhardt	ALS JOB#:	EV20110093
CLIENT PROJECT:	Baywood	ALS SAMPLE#:	EV20110093-03
CLIENT SAMPLE ID	3 Type A Soil	DATE RECEIVED:	11/17/2020
		COLLECTION DATE:	11/17/2020 11:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
HCID-Gas Range	NWTPH-HCID	U	20	1	MG/KG	11/19/2020	JNF
HCID-Diesel Range	NWTPH-HCID	U	50	1	MG/KG	11/19/2020	JNF
HCID-Oil Range	NWTPH-HCID	U	100	1	MG/KG	11/19/2020	JNF
Benzo[A]Anthracene	EPA-8270 SIM	27	20	1	UG/KG	11/20/2020	JMK
Chrysene	EPA-8270 SIM	35	20	1	UG/KG	11/20/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	53	20	1	UG/KG	11/20/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	22	20	1	UG/KG	11/20/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	37	20	1	UG/KG	11/20/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	28	20	1	UG/KG	11/20/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/20/2020	JMK
Mercury	EPA-7471	0.072	0.020	1	MG/KG	11/17/2020	RAL
Arsenic	EPA-6020	6.3	0.20	1	MG/KG	11/18/2020	RAL
Cadmium	EPA-6020	0.29	0.10	1	MG/KG	11/18/2020	RAL
Chromium	EPA-6020	29	0.10	1	MG/KG	11/18/2020	RAL
Copper	EPA-6020	23	0.10	1	MG/KG	11/18/2020	RAL
Lead	EPA-6020	45	0.10	1	MG/KG	11/18/2020	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	11/18/2020	RAL
Zinc	EPA-6020	80	0.50	1	MG/KG	11/18/2020	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
BCB	NWTPH-HCID	96.3	11/19/2020	JNF
C25	NWTPH-HCID	98.6	11/19/2020	JNF
Terphenyl-d14	EPA-8270 SIM	85.0	11/20/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

DATE: 11/24/2020
ALS SDG#: EV20110093
WDOE ACCREDITATION: C601

CLIENT CONTACT: Kyle Gebhardt
CLIENT PROJECT: Baywood

LABORATORY BLANK RESULTS

MB-111820 - Batch 160060 - Soil by NWTPH-HCID

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
HCID-Gas Range	NWTPH-HCID	U	MG/KG	20	11/19/2020	JNF
HCID-Diesel Range	NWTPH-HCID	U	MG/KG	50	11/19/2020	JNF
HCID-Oil Range	NWTPH-HCID	U	MG/KG	100	11/19/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111920S - Batch 159922 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R372938 - Batch R372938 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	11/17/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111820S - Batch 159829 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	11/18/2020	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	11/18/2020	RAL
Chromium	EPA-6020	U	MG/KG	0.10	11/18/2020	RAL
Copper	EPA-6020	U	MG/KG	0.10	11/18/2020	RAL
Lead	EPA-6020	U	MG/KG	0.10	11/18/2020	RAL
Silver	EPA-6020	U	MG/KG	0.10	11/18/2020	RAL
Zinc	EPA-6020	U	MG/KG	0.88	11/18/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
 4721 Northwest Dr
 Bellingham, WA 98226

CLIENT CONTACT: Kyle Gebhardt
 CLIENT PROJECT: Baywood

DATE: 11/24/2020
 ALS SDG#: EV20110093
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 159922 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	88.2			20	150	11/20/2020	JMK
Naphthalene - BSD	EPA-8270 SIM	89.7	2		20	150	11/20/2020	JMK
Benzo[A]Anthracene - BS	EPA-8270 SIM	73.9			20	150	11/20/2020	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	75.6	2		20	150	11/20/2020	JMK
Chrysene - BS	EPA-8270 SIM	88.1			20	150	11/20/2020	JMK
Chrysene - BSD	EPA-8270 SIM	89.9	2		20	150	11/20/2020	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	87.5			20	150	11/20/2020	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	89.2	2		20	150	11/20/2020	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	101			20	150	11/20/2020	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	101	0		20	150	11/20/2020	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	94.1			20	150	11/20/2020	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	97.1	3		20	150	11/20/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	82.0			20	150	11/20/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	79.8	3		20	150	11/20/2020	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	83.0			20	150	11/20/2020	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	80.1	4		20	150	11/20/2020	JMK
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	82.7			20	150	11/20/2020	JMK
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	80.9	2		20	150	11/20/2020	JMK

ALS Test Batch ID: R372938 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	106			81.8	117	11/17/2020	RAL
Mercury - BSD	EPA-7471	105	1		81.8	117	11/17/2020	RAL

ALS Test Batch ID: 159829 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	97.6			80	120	11/18/2020	RAL
Arsenic - BSD	EPA-6020	99.1	1		80	120	11/18/2020	RAL
Cadmium - BS	EPA-6020	102			80	120	11/18/2020	RAL
Cadmium - BSD	EPA-6020	103	1		80	120	11/18/2020	RAL
Chromium - BS	EPA-6020	98.3			80	120	11/18/2020	RAL
Chromium - BSD	EPA-6020	99.9	2		80	120	11/18/2020	RAL
Copper - BS	EPA-6020	102			80	120	11/18/2020	RAL
Copper - BSD	EPA-6020	104	1		80	120	11/18/2020	RAL
Lead - BS	EPA-6020	95.7			80	120	11/18/2020	RAL
Lead - BSD	EPA-6020	96.3	1		80	120	11/18/2020	RAL
Silver - BS	EPA-6020	100			80	120	11/18/2020	RAL



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

DATE: 11/24/2020
ALS SDG#: EV20110093
WDOE ACCREDITATION: C601

CLIENT CONTACT: Kyle Gebhardt
CLIENT PROJECT: Baywood

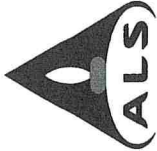
LABORATORY CONTROL SAMPLE RESULTS

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Silver - BSD, Zinc - BS, and Zinc - BSD.

APPROVED BY

Handwritten signature of M. Perry

Laboratory Manager



ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV2010093

Date _____ Page _____ Of _____

PROJECT ID: Baywood		ANALYSIS REQUESTED		OTHER (Specify)		RECEIVED IN GOOD CONDITION?
REPORT TO COMPANY: Strider Const	PROJECT MANAGER: Kyle Gehhardt					NUMBER OF CONTAINERS
ADDRESS: 4721 NW DR.	PHONE: 360 380 1234					
E-MAIL: Kyle	P.O. #: _____					
INVOICE TO COMPANY: Elise	ATTENTION: Port of Everett					
ADDRESS: _____	ADDRESS: _____					
SAMPLE I.D.	DATE	TIME	TYPE	LAB#		
1 Type A Soil	11/17	11:30	Soil	1	MTC-A-5 + Cu, Ag, Zn	
2 "	11/17	"	"	2	PCB Congenents 1648	
3 "	11/17	"	"	3	Dioxin Furans 1613	
4.						
5.						
6.						
7.						
8.						
9.						
10.						

SPECIAL INSTRUCTIONS CC: Jon Barnes & Pacific Topsoils. - Elise Groweuld a part of Everett

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: *[Signature]* 11/17/20 12:30 PM
 Received By: *[Signature]* 11/17/20 12:30 PM
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 OTHER: _____
 Specify: _____

Organic, Metals & Inorganic Analysis
 1 2 3 4 5 SAME DAY

Fuels & Hydrocarbon Analysis
 1 2 3 4 5 SAME DAY

*Turnaround request less than standard may incur Rush Charges



November 25, 2020

Mr. Kyle Gebhardt
Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

Dear Mr. Gebhardt,

On November 18th, 1 sample was received by our laboratory and assigned our laboratory project number EV20110116. The project was identified as your Baywood . The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Strider Construction 4721 Northwest Dr Bellingham, WA 98226	DATE:	11/25/2020
CLIENT CONTACT:	Kyle Gebhardt	ALS JOB#:	EV20110116
CLIENT PROJECT:	Baywood	ALS SAMPLE#:	EV20110116-01
CLIENT SAMPLE ID	Type A Soil #4	DATE RECEIVED:	11/18/2020
		COLLECTION DATE:	11/18/2020 1:35:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
HCID-Gas Range	NWTPH-HCID	U	20	1	MG/KG	11/19/2020	JNF
HCID-Diesel Range	NWTPH-HCID	U	50	1	MG/KG	11/19/2020	JNF
HCID-Oil Range	NWTPH-HCID	>100	100	1	MG/KG	11/19/2020	JNF
Benzo[A]Anthracene	EPA-8270 SIM	41	20	1	UG/KG	11/20/2020	JMK
Chrysene	EPA-8270 SIM	57	20	1	UG/KG	11/20/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	75	20	1	UG/KG	11/20/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	33	20	1	UG/KG	11/20/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	56	20	1	UG/KG	11/20/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	40	20	1	UG/KG	11/20/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/20/2020	JMK
Mercury	EPA-7471	0.073	0.020	1	MG/KG	11/21/2020	RAL
Arsenic	EPA-6020	6.5	0.20	1	MG/KG	11/18/2020	RAL
Cadmium	EPA-6020	0.22	0.10	1	MG/KG	11/18/2020	RAL
Chromium	EPA-6020	27	0.10	1	MG/KG	11/18/2020	RAL
Copper	EPA-6020	22	0.10	1	MG/KG	11/18/2020	RAL
Lead	EPA-6020	35	0.10	1	MG/KG	11/18/2020	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	11/18/2020	RAL
Zinc	EPA-6020	75	0.50	1	MG/KG	11/18/2020	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
BCB	NWTPH-HCID	86.9	11/19/2020	JNF
C25	NWTPH-HCID	97.1	11/19/2020	JNF
Terphenyl-d14	EPA-8270 SIM	89.7	11/20/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains an unidentified oil range product.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
 4721 Northwest Dr
 Bellingham, WA 98226

CLIENT CONTACT: Kyle Gebhardt
 CLIENT PROJECT: Baywood

DATE: 11/25/2020
 ALS SDG#: EV20110116
 WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MB-111820 - Batch 160060 - Soil by NWTPH-HCID

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
HCID-Gas Range	NWTPH-HCID	U	MG/KG	20	11/19/2020	JNF
HCID-Diesel Range	NWTPH-HCID	U	MG/KG	50	11/19/2020	JNF
HCID-Oil Range	NWTPH-HCID	U	MG/KG	100	11/19/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111920S - Batch 159922 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	11/20/2020	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R373405 - Batch R373405 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	11/21/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111820S - Batch 159829 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	11/18/2020	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	11/18/2020	RAL
Chromium	EPA-6020	U	MG/KG	0.10	11/18/2020	RAL
Copper	EPA-6020	U	MG/KG	0.10	11/18/2020	RAL
Lead	EPA-6020	U	MG/KG	0.10	11/18/2020	RAL
Silver	EPA-6020	U	MG/KG	0.10	11/18/2020	RAL
Zinc	EPA-6020	U	MG/KG	0.88	11/18/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
 4721 Northwest Dr
 Bellingham, WA 98226

CLIENT CONTACT: Kyle Gebhardt
 CLIENT PROJECT: Baywood

DATE: 11/25/2020
 ALS SDG#: EV20110116
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 159922 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	88.2			20	150	11/20/2020	JMK
Naphthalene - BSD	EPA-8270 SIM	89.7	2		20	150	11/20/2020	JMK
Benzo[A]Anthracene - BS	EPA-8270 SIM	73.9			20	150	11/20/2020	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	75.6	2		20	150	11/20/2020	JMK
Chrysene - BS	EPA-8270 SIM	88.1			20	150	11/20/2020	JMK
Chrysene - BSD	EPA-8270 SIM	89.9	2		20	150	11/20/2020	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	87.5			20	150	11/20/2020	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	89.2	2		20	150	11/20/2020	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	101			20	150	11/20/2020	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	101	0		20	150	11/20/2020	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	94.1			20	150	11/20/2020	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	97.1	3		20	150	11/20/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	82.0			20	150	11/20/2020	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	79.8	3		20	150	11/20/2020	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	83.0			20	150	11/20/2020	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	80.1	4		20	150	11/20/2020	JMK
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	82.7			20	150	11/20/2020	JMK
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	80.9	2		20	150	11/20/2020	JMK

ALS Test Batch ID: R373405 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	105			81.8	117	11/21/2020	RAL
Mercury - BSD	EPA-7471	106	2		81.8	117	11/21/2020	RAL

ALS Test Batch ID: 159829 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	97.6			80	120	11/18/2020	RAL
Arsenic - BSD	EPA-6020	99.1	1		80	120	11/18/2020	RAL
Cadmium - BS	EPA-6020	102			80	120	11/18/2020	RAL
Cadmium - BSD	EPA-6020	103	1		80	120	11/18/2020	RAL
Chromium - BS	EPA-6020	98.3			80	120	11/18/2020	RAL
Chromium - BSD	EPA-6020	99.9	2		80	120	11/18/2020	RAL
Copper - BS	EPA-6020	102			80	120	11/18/2020	RAL
Copper - BSD	EPA-6020	104	1		80	120	11/18/2020	RAL
Lead - BS	EPA-6020	95.7			80	120	11/18/2020	RAL
Lead - BSD	EPA-6020	96.3	1		80	120	11/18/2020	RAL
Silver - BS	EPA-6020	100			80	120	11/18/2020	RAL

CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
 4721 Northwest Dr
 Bellingham, WA 98226

DATE: 11/25/2020
 ALS SDG#: EV20110116
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Kyle Gebhardt
 CLIENT PROJECT: Baywood

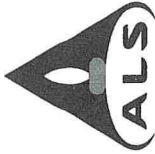
LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Silver - BSD	EPA-6020	99.4	1		80	120	11/18/2020	RAL
Zinc - BS	EPA-6020	100			80	119	11/18/2020	RAL
Zinc - BSD	EPA-6020	101	1		80	119	11/18/2020	RAL

APPROVED BY



Laboratory Director



ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

Eva20110116

Date 11/18/00 Page 1 Of 1

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: P.O. #: E-MAIL: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED				LAB#
	SAMPLE I.D.	DATE	TIME	TYPE	
Baywood Strider Const Kyle Gebhardt	1. Type A Soil #4	11/18/00	135	Soil	1
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				
	8.				
	9.				
	10.				

ANALYSIS REQUESTED	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
<input checked="" type="checkbox"/> NWTPH-HCID <input type="checkbox"/> NWTPH-DX <input type="checkbox"/> NWTPH-GX <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input checked="" type="checkbox"/> Semi-volatile Organic Compounds by EPA 8270 <input checked="" type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM <input type="checkbox"/> PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> P1 Pol <input type="checkbox"/> TAL <input checked="" type="checkbox"/> Metals Other (Specify) <i>MTCA-5 + Cu/Ag/Zn</i> <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs	<i>X PCB Congeners 168</i> <i>X Dioxin Furans 168</i>	1	

SPECIAL INSTRUCTIONS *CC: Jon Barnes + Elise*

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: *[Signature]*
 Received By: *[Signature]* *MS 11/18/00 2:00*
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis: 1 2 3 4 5 SAVE DAY
 Fuels & Hydrocarbon Analysis: 1 2 3 4 5 SAVE DAY

Specify: _____
 OTHER: _____

sub event
Standard

*Turnaround request less than standard may incur Rush Charges



December 14, 2020

Mr. Kyle Gebhardt
Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

Dear Mr. Gebhardt,

On December 11th, 2 samples were received by our laboratory and assigned our laboratory project number EV20120073. The project was identified as your Baywood. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction DATE: 12/14/2020
4721 Northwest Dr ALS JOB#: EV20120073
Bellingham, WA 98226 ALS SAMPLE#: EV20120073-01
CLIENT CONTACT: Kyle Gebhardt DATE RECEIVED: 12/11/2020
CLIENT PROJECT: Baywood COLLECTION DATE: 11/17/2020 11:30:00 AM
CLIENT SAMPLE ID: 1 Type A Soil WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	100 H	25	1	MG/KG	12/11/2020	JNF
TPH-Oil Range	NWTPH-DX	200 H	50	1	MG/KG	12/11/2020	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	103	12/11/2020	JNF

H - Sample analyzed outside of hold time.
Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.
Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Strider Construction 4721 Northwest Dr Bellingham, WA 98226	DATE:	12/14/2020
CLIENT CONTACT:	Kyle Gebhardt	ALS JOB#:	EV20120073
CLIENT PROJECT:	Baywood	ALS SAMPLE#:	EV20120073-02
CLIENT SAMPLE ID	2 Type A Soil	DATE RECEIVED:	12/11/2020
		COLLECTION DATE:	11/17/2020 11:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	88 H	25	1	MG/KG	12/11/2020	JNF
TPH-Oil Range	NWTPH-DX	220 H	50	1	MG/KG	12/11/2020	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	99.5	12/11/2020	JNF

H - Sample analyzed outside of hold time.
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.
 Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

DATE: 12/14/2020
ALS SDG#: EV20120073
WDOE ACCREDITATION: C601

CLIENT CONTACT: Kyle Gebhardt
CLIENT PROJECT: Baywood

LABORATORY BLANK RESULTS

MB-121120S - Batch 160660 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	12/11/2020	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	12/11/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Strider Construction
4721 Northwest Dr
Bellingham, WA 98226

DATE: 12/14/2020
ALS SDG#: EV20120073
WDOE ACCREDITATION: C601

CLIENT CONTACT: Kyle Gebhardt
CLIENT PROJECT: Baywood

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 160660 - Soil by NWTPH-DX

Table with 7 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range - BS and TPH-Diesel Range - BSD.

APPROVED BY

Handwritten signature of J. Perry

Laboratory Director



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain of Custody/ Laboratory Analysis Request EV20120073

ALS Job# (Laboratory Use Only)

~~EV20110093~~

Date _____ Page _____ Of _____

PROJECT ID: Baywood
 REPORT TO COMPANY: Strider Const
 PROJECT MANAGER: Kyle Gebhardt
 ADDRESS: 4721 NW DR. Bellingham, WA 98226
 PHONE: 360 380 4234 P.O. #: _____
 E-MAIL: Kyle
 INVOICE TO COMPANY: Elise
 ATTENTION: Port of Everett
 ADDRESS: _____

ANALYSIS REQUESTED	RECEIVED IN GOOD CONDITION?		
	NUMBER OF CONTAINERS	OTHER (Specify)	
<input type="checkbox"/> NMTTH-HOLD <input checked="" type="checkbox"/> NMTTH-DX <input checked="" type="checkbox"/> NMTTH-GX <input type="checkbox"/> BTEX by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input checked="" type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM <input type="checkbox"/> PCBs by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pt Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) <u>see list</u> <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs		PCB Contaminants 1448 Mercury 1613 Mtca 5, Cu, Ag, Zn	
1. Type A Soil	1		
2. "	2		
3. "	3		
4.			
5.			
6.			
7.			
8.			
9.			
10.			

SPECIAL INSTRUCTIONS

CC: Jon Barnes & Pacific Topsoils. ~ Elise Grosvenor a part of Everett

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: [Signature] 11/17/20 12:30 PM
 Received By: [Signature] 11/17/20 12:30 PM
 2. Relinquished By: _____
 Received By: _____

~~Site: Everett~~
 TURNAROUND REQUESTED in Business Days*
 12/11/20 OTHER:
 Specify: Kyle added dx to #1, 2
 on 1-day TAT via Dylan & Landau, Sm
 Organic, Metals & Inorganic Analysis
 1 SAME DAY
 2
 3
 4
 5
 Fuels & Hydrocarbon Analysis
 1
 2
 3
 4
 5
 Standard

*Turnaround requested less than standard may incur Rush Charges

Hydroseed Mulch and Wood Mulch Analytical Results and Laboratory Reports

DRAFT Table X
Wood Mulch PCB Congener Results
Port of Everett Baywood

Analyte	Screening Level	Field Sample ID, Lab Sample ID, Sample Date					
		HM-1-020321 2102089-01 2/3/2021	HM-2-020321 2102089-02 2/3/2021	HM-3-020321 2102089-03 2/3/2021	WM-1-020521 2102106-01 2/5/2021	WM-2-020521 2102106-02 2/5/2021	WM-3-020521 2102106-03 2/5/2021
PCB Congeners (pg/g; EPA 1668C)							
PCB-1	NL	1.39 U	1.51 U	1.49 U	0.41 U	1.25 U	0.39 U
PCB-2	NL	0.41 U	0.40 U	0.37 U	0.42 U	1.16 U	0.40 U
PCB-3	NL	1.58 U	1.88 U	1.57 U	0.83 U	1.77 U	0.40 U
PCB-4/10	NL	2.17 U	2.48 U	2.43 U	2.60 U	2.02 U	2.04 U
PCB-5/8	NL	1.65 U	1.90 U	1.91 U	1.99 U	1.52 U	1.59 U
PCB-6	NL	1.62 U	1.86 U	1.87 U	1.94 U	1.49 U	1.56 U
PCB-7/9	NL	1.72 U	1.98 U	1.98 U	2.06 U	1.58 U	1.65 U
PCB-11	NL	22.6	36.4	11.0	20.0 U	46.8 U	14.1
PCB-12/13	NL	1.72 U	1.86 U	2 U	1.98 U	1.56 U	1.65 U
PCB-14	NL	1.71 U	1.86 U	1.99 U	1.97 U	1.55 U	1.64 U
PCB-15	NL	4.07 U	1.87 U	2 U	1.98 U	1.56 U	1.65 U
PCB-16/32	NL	11.8 J	12.5 J	9.16 U	6.66 J	7.01 J	4.40 J
PCB-17	NL	8.97	13.2	3.88 J	4.70 U	13.6	1.99 U
PCB-18	NL	17.7	14.8	11.7	9.85	8.16	6.13 J
PCB-19	NL	0.91 U	0.67 U	0.70 U	0.95 U	0.64 U	0.74 U
PCB-20/21/33	NL	14.5 J	14.8 J	11.2 J	5.71 J	4.79 U	4.77 J
PCB-22	NL	8.18 U	10.6 U	4.82 U	3.56 U	9.24	3.67 J
PCB-23	NL	0.62 U	0.71 U	0.59 U	0.61 U	0.49 U	0.58 U
PCB-24/27	NL	1.28 U	1.46 U	0.50 U	0.66 U	1.92 U	0.54 U
PCB-25	NL	2.30 U	5.06 U	0.58 U	1.53 U	8.55 U	0.56 U
PCB-26	NL	2.98 J	2.20 U	1.99 U	1.83 U	1.52 U	0.88 U
PCB-28	NL	18.7	19.7	13.2	9.28	15.2	8.32
PCB-29	NL	0.64 U	0.74 U	0.62 U	0.63 U	0.51 U	0.60 U
PCB-30	NL	0.45 U	0.42 U	0.44 U	0.60 U	0.41 U	0.47 U
PCB-31	NL	20.5	22.2	16.4	9.30 U	7.57	6.65 U
PCB-34	NL	0.63 U	0.73 U	0.60 U	0.62 U	0.50 U	0.59 U
PCB-35	NL	0.59 U	0.67 U	0.56 U	1.01 U	0.46 U	0.52 U
PCB-36	NL	0.58 U	0.66 U	0.55 U	0.60 U	0.45 U	0.51 U
PCB-37	NL	6.21 J	6.15 J	4.35 U	3.02 U	3.60 J	3.88 J
PCB-38	NL	3.30 J	11.1	0.56 U	2.30 U	18.5	0.52 U
PCB-39	NL	0.62 U	0.70 U	0.58 U	0.64 U	0.48 U	0.55 U
PCB-40	NL	7.93 U	7.34	4.98 U	1.27 U	0.93 U	2.27 J
PCB-41/64/71/72	NL	32.1	27.8 J	26.1 J	9.70 J	6.33 U	8.30 J
PCB-42/59	NL	9.96 J	8.60 U	8.86 J	2.88 U	2.50 U	3.04 J
PCB-43/49	NL	26.2	27.8 U	21.2	8.93 U	19.1	9.48 J
PCB-44	NL	41.0	38.8	28.8	14.6 U	11.9	15.0
PCB-45	NL	4.53 U	4.48 U	4.24 J	1.33 U	1.41 U	1.34 U
PCB-46	NL	2.10 U	3.47 J	2.03 U	0.99 U	0.72 U	0.75 U
PCB-47	NL	150	488	8.09	95.5	823	4.90 J
PCB-48/75	NL	8.85 J	5.33 J	5.73 U	1.34 J	0.51 U	1.73 U
PCB-50	NL	0.89 U	0.62 U	0.68 U	0.80 U	0.56 U	0.62 U
PCB-51	NL	23.2	72.1	1.16 U	14.1	119	0.67 U
PCB-52/69	NL	45.4	45.9	36.1	28.0	20.0	24.4
PCB-53	NL	4.91 J	4.14 J	3.33 U	2.03 U	0.86 U	1.55 J
PCB-54	NL	0.73 U	0.51 U	0.56 U	0.66 U	0.47 U	0.51 U
PCB-55	NL	0.60 U	0.41 U	0.46 U	0.57 U	0.41 U	0.39 U
PCB-56/60	NL	26.6	22.0 U	21.4	6.84 J	6.51 J	8.46 J
PCB-57	NL	0.62 U	0.43 U	0.45 U	0.58 U	0.42 U	0.42 U
PCB-58	NL	0.61 U	0.43 U	0.45 U	0.58 U	0.42 U	0.41 U
PCB-61/70	NL	50.7	48.9	42.0	24.4	19.7 U	24.2
PCB-62	NL	0.78 U	0.54 U	0.58 U	0.70 U	0.51 U	0.53 U
PCB-63	NL	1.59 U	1.11 U	1.19 U	0.65 U	0.46 U	0.64 U
PCB-65	NL	0.70 U	0.48 U	0.52 U	0.63 U	0.46 U	0.47 U
PCB-66/76	NL	29.4	28.8	25.3	9.46 J	8.70 J	11.0 J

DRAFT Table X
Wood Mulch PCB Congener Results
Port of Everett Baywood

Analyte	Screening Level	Field Sample ID, Lab Sample ID, Sample Date					
		HM-1-020321 2102089-01 2/3/2021	HM-2-020321 2102089-02 2/3/2021	HM-3-020321 2102089-03 2/3/2021	WM-1-020521 2102106-01 2/5/2021	WM-2-020521 2102106-02 2/5/2021	WM-3-020521 2102106-03 2/5/2021
PCB-67	NL	0.65 U	0.46 U	0.48 U	0.62 U	0.44 U	0.44 U
PCB-68	NL	8.16	29.8	0.51 U	5.18 U	46.5	0.46 U
PCB-73	NL	0.64 U	0.45 U	0.48 U	0.58 U	0.43 U	0.44 U
PCB-74	NL	16.2	16.0	14.3	4.81 J	4.70 U	5.37 U
PCB-77	NL	2.71 U	2.23 U	1.79 U	2.81 J	1.45 U	2.38 U
PCB-78	NL	0.66 U	0.42 U	0.48 U	0.60 U	0.44 U	0.47 U
PCB-79	NL	0.62 U	0.42 U	0.46 U	0.57 U	0.41 U	0.87 U
PCB-80	NL	0.59 U	0.41 U	0.46 U	0.56 U	0.40 U	0.39 U
PCB-81	NL	1.37 J	0.45 U	1.48 U	0.64 U	0.47 U	0.51 U
PCB-82	NL	4.35 U	6.18 J	5.80 J	3.78 U	4.24 J	6.06 J
PCB-83	NL	0.37 U	0.38 U	0.38 U	0.41 U	0.28 U	0.40 U
PCB-84/92	NL	24.6	24.9	17.2	19.9 U	17.4	19.0 U
PCB-85/116	NL	8.72 J	8.02 U	7.44 U	9.02 J	7.60 J	10.4 J
PCB-86	NL	0.78 U	0.56 U	0.56 U	0.60 U	0.41 U	0.58 U
PCB-87/117/125	NL	18.8 J	19.7 J	15.5 J	20.3 J	17.7 J	19.9 U
PCB-88/91	NL	8.92 J	7.05 U	5.90 U	6.14 U	6.03 U	6.57 J
PCB-89	NL	0.85 U	0.55 U	0.55 U	0.60 U	0.42 U	0.55 U
PCB-90/101	NL	57.7	50.4	39.2	60.8	49.5	61.2
PCB-93	NL	0.69 U	0.70 U	0.69 U	0.79 U	0.54 U	0.68 U
PCB-94	NL	0.64 U	0.64 U	0.63 U	0.72 U	0.49 U	0.62 U
PCB-95/98/102	NL	47.1	40.3	30.5	31.1 U	30.5	36.1
PCB-96	NL	0.44 U	0.44 U	0.41 U	0.47 U	0.33 U	0.42 U
PCB-97	NL	19.2	14.5	11.9	12.6 U	10.5 U	15.8
PCB-99	NL	22.8	20.4	16.6	18.5 U	18.9	23.0
PCB-100	NL	0.52 U	0.54 U	0.50 U	0.58 U	0.40 U	0.51 U
PCB-103	NL	0.54 U	0.56 U	0.52 U	0.60 U	0.42 U	0.53 U
PCB-104	NL	0.43 U	0.44 U	0.41 U	0.47 U	0.33 U	0.42 U
PCB-105	NL	18.7	16.7	14.8	22.5	17.0 U	25.1
PCB-106/118	NL	38.2	34.1	30.9	43.0	42.4	51.2
PCB-107/109	NL	2.05 U	1.85 U	1.50 J	2.67 U	2.74 U	2.95 U
PCB-108/112	NL	1.78 J	1.81 J	2.02 J	3.06 J	2.19 J	2.84 J
PCB-110	NL	43.4 U	44.2	40.4	59.6	47.7	61.2
PCB-111/115	NL	1.28 U	0.962 J	1.22 J	0.39 U	0.58 U	1.02 J
PCB-113	NL	0.38 U	0.38 U	0.39 U	0.43 U	0.30 U	0.39 U
PCB-114	NL	0.93 U	1.04 U	0.63 U	0.52 U	0.48 U	1.29 U
PCB-119	NL	0.38 U	1.04 U	0.38 U	0.41 U	0.29 U	0.81 U
PCB-120	NL	0.32 U	0.33 U	0.33 U	0.35 U	0.25 U	0.34 U
PCB-121	NL	0.36 U	0.37 U	0.36 U	0.41 U	0.28 U	0.35 U
PCB-122	NL	0.53 U	0.62 U	0.73 U	0.61 U	0.56 U	0.64 U
PCB-123	NL	0.79 U	0.40 U	0.43 U	0.43 U	0.29 U	0.44 U
PCB-124	NL	1.19 U	1.17 U	1.24 U	2.40 J	1.97 J	3.17 U
PCB-126	NL	0.45 U	0.52 U	0.62 U	0.52 U	0.49 U	0.56 U
PCB-127	NL	0.43 U	0.50 U	0.60 U	0.47 U	0.47 U	0.55 U
PCB-128/162	NL	4.06 U	5.45 J	4.13 U	9.88 J	9.16 J	11.6 J
PCB-129	NL	1.23 U	1.42 J	1.66 J	2.13 U	2.72 J	2.58 U
PCB-130	NL	1.68 U	0.82 U	1.00 U	4.47 J	3.20 U	5.32 J
PCB-131/133	NL	1.06 J	1.34 J	0.46 U	1.05 U	1.29 U	1.98 J
PCB-132/161	NL	8.77 J	6.79 J	6.37 U	11.4 U	11.4 J	14.1 J
PCB-134/143	NL	1.31 U	1.52 U	1.13 U	2.49 U	2.47 J	2.72 J
PCB-135	NL	2.11 U	2.56 U	2.03 U	5.56 U	4.34 J	6.03 J
PCB-136	NL	4.13 J	3.85 J	2.58 U	6.20 U	5.89 J	6.34 J
PCB-137	NL	1.93 U	1.21 U	1.17 U	2.75 U	3.36 J	3.16 U
PCB-138/163/164	NL	26.6	21.7	22.6 J	55.5	50.2	63.1
PCB-139/149	NL	15.7 U	14.7 U	12.5 J	39.8	31.6	42.5
PCB-140	NL	0.31 U	0.24 U	0.26 U	0.33 U	0.30 U	0.26 U

DRAFT Table X
Wood Mulch PCB Congener Results
Port of Everett Baywood

Analyte	Screening Level	Field Sample ID, Lab Sample ID, Sample Date					
		HM-1-020321 2102089-01 2/3/2021	HM-2-020321 2102089-02 2/3/2021	HM-3-020321 2102089-03 2/3/2021	WM-1-020521 2102106-01 2/5/2021	WM-2-020521 2102106-02 2/5/2021	WM-3-020521 2102106-03 2/5/2021
		PCB-141	NL	4.27 U	4.32 U	4.29 U	9.60
PCB-142	NL	0.69 U	0.83 U	0.58 U	0.77 U	0.71 U	0.64 U
PCB-144	NL	2.10 U	1.63 J	1.18 U	1.92 J	2.13 U	1.59 U
PCB-145	NL	0.20 U	0.16 U	0.17 U	0.22 U	0.20 U	0.18 U
PCB-146/165	NL	3.67 J	2.90 U	1.76 U	6.32 U	7.01 J	7.03 U
PCB-147	NL	0.84 U	0.22 U	0.24 U	0.30 U	0.28 U	0.24 U
PCB-148	NL	0.30 U	0.24 U	0.26 U	0.32 U	0.29 U	0.26 U
PCB-150	NL	0.22 U	0.17 U	0.18 U	0.23 U	0.21 U	0.19 U
PCB-151	NL	4.63 U	5.81 J	3.30 U	9.02 U	9.62	9.06
PCB-152	NL	0.20 U	0.16 U	0.17 U	0.21 U	0.19 U	0.17 U
PCB-153	NL	18.7 U	17.9	19.3	45.0	40.7	51.3
PCB-154	NL	0.28 U	0.22 U	0.24 U	0.30 U	0.27 U	0.24 U
PCB-155	NL	0.23 U	0.19 U	0.20 U	0.25 U	0.23 U	0.20 U
PCB-156	NL	2.86 U	2.46 J	3.31 J	4.90 U	4.15 U	5.34 J
PCB-157	NL	0.49 U	0.87 U	0.94 U	1.62 U	1.37 U	2.02 U
PCB-158/160	NL	3.37 J	2.83 U	3.18 J	6.97 J	5.38 J	5.81 U
PCB-159	NL	0.41 U	0.53 U	0.34 U	0.47 U	0.42 U	0.41 U
PCB-166	NL	0.44 U	0.56 U	0.37 U	0.50 U	0.44 U	0.43 U
PCB-167	NL	1.43 J	0.56 U	0.38 U	2.90 J	1.77 U	2.41 U
PCB-168	NL	0.46 U	0.55 U	0.39 U	0.51 U	0.47 U	0.42 U
PCB-169	NL	0.44 U	0.60 U	0.41 U	0.56 U	0.46 U	0.38 U
PCB-170	NL	4.37 J	2.81 U	2.90 U	11.1	7.54 U	10.1
PCB-171	NL	1.01 U	0.52 U	1.50 J	3.34 J	2.83 U	1.82 U
PCB-172	NL	0.97 U	0.50 U	0.45 U	2.01 J	1.11 U	1.91 J
PCB-173	NL	1.15 U	0.59 U	0.53 U	0.95 U	0.43 U	0.56 U
PCB-174	NL	4.72 J	3.07 U	2.87 U	12.8	9.45	14.7
PCB-175	NL	0.98 U	0.43 U	0.47 U	0.75 U	0.36 U	0.45 U
PCB-176	NL	0.75 U	0.33 U	0.41 U	1.20 U	1.00 U	1.29 U
PCB-177	NL	2.55 U	2.02 U	1.93 U	5.67 U	3.67 U	6.65 U
PCB-178	NL	0.96 U	0.70 U	0.58 U	2.16 J	1.02 U	2.46 U
PCB-179	NL	1.87 U	1.19 U	1.89 J	5.19 J	3.91 U	5.99 U
PCB-180	NL	8.63 U	8.70	9.40	25.2	21.6	28.7
PCB-181	NL	0.92 U	0.47 U	0.42 U	0.76 U	0.34 U	0.45 U
PCB-182/187	NL	3.17 U	3.33 U	2.72 U	15.1 U	13.7 J	17.6
PCB-183	NL	2.22 U	2.56 J	3.14 U	5.44 U	4.71 J	6.04 U
PCB-184	NL	0.73 U	0.32 U	0.35 U	0.56 U	0.27 U	0.34 U
PCB-185	NL	0.99 U	0.51 U	0.45 U	0.75 U	0.95 U	1.53 U
PCB-186	NL	0.68 U	0.30 U	0.33 U	0.52 U	0.25 U	0.31 U
PCB-188	NL	0.72 U	0.32 U	0.35 U	0.56 U	0.26 U	0.33 U
PCB-189	NL	0.78 U	0.33 U	0.37 U	0.59 U	0.30 U	0.34 U
PCB-190	NL	0.72 U	1.19 J	0.40 U	3.16 J	2.29 J	1.61 J
PCB-191	NL	0.81 U	0.42 U	0.37 U	0.67 U	0.31 U	0.40 U
PCB-192	NL	0.76 U	0.39 U	0.35 U	0.63 U	0.28 U	0.37 U
PCB-193	NL	0.83 U	0.43 U	0.38 U	1.27 U	1.02 U	2.15 U
PCB-194	NL	2.26 U	2.30 U	2.09 U	6.45 J	5.48 U	7.08 U
PCB-195	NL	0.77 U	1.02 U	1.37 U	1.27 U	2.00 U	2.72 J
PCB-196/203	NL	1.80 U	1.84 U	1.74 U	8.60 J	7.73 J	15.2
PCB-197	NL	0.30 U	0.54 U	0.44 U	0.41 U	0.40 U	0.38 U
PCB-198	NL	0.41 U	0.74 U	0.60 U	0.57 U	0.56 U	0.52 U
PCB-199	NL	1.25 U	1.57 J	2.90 J	11.4	7.11 U	14.6
PCB-200	NL	0.31 U	0.57 U	0.46 U	1.26 J	0.98 U	1.18 U
PCB-201	NL	0.32 U	0.57 U	0.46 U	0.981 J	1.26 U	1.15 U
PCB-202	NL	0.29 U	0.52 U	0.42 U	2.28 J	1.59 J	4.00 U
PCB-204	NL	0.30 U	0.54 U	0.44 U	0.42 U	0.41 U	0.38 U
PCB-205	NL	0.58 U	0.77 U	1.03 U	0.96 U	0.76 U	0.37 U

DRAFT Table X
Wood Mulch PCB Congener Results
Port of Everett Baywood

Analyte	Screening Level	Field Sample ID, Lab Sample ID, Sample Date					
		HM-1-020321 2102089-01 2/3/2021	HM-2-020321 2102089-02 2/3/2021	HM-3-020321 2102089-03 2/3/2021	WM-1-020521 2102106-01 2/5/2021	WM-2-020521 2102106-02 2/5/2021	WM-3-020521 2102106-03 2/5/2021
PCB-206	NL	1.81 J	1.42 U	1.04 U	5.50 U	5.24 U	7.41 U
PCB-207	NL	0.38 U	0.68 U	0.68 U	1.17 J	0.34 U	0.75 U
PCB-208	NL	0.70 J	0.64 U	0.67 U	2.28 U	1.68 U	3.59 U
PCB-209	NL	0.456 U	0.70 U	0.91 U	7.54	5.23 J	8.07
TEQRiskWHO2005PCB (ND = 1/2 EDL)	2	0.0316	0.0370	0.0387	0.0368	0.0333	0.0365
Total monoCB	NL	2.98 U	3.38 U	3.06 U	0.83 U	4.18 U	0.40 U
Total diCB	NL	22.6	36.4	11.0	20 U	46.8 U	14.1
Total triCB	NL	105	114	56.4	31.5	82.8	31.2
Total tetraCB	NL	474	816	236	197	1060	113
Total pentaCB	NL	267	274	228	221	240	301
Total hexaCB	NL	49.0	68.4	62.5	176	193	231
Total heptaCB	NL	9.09	12.4	12.8	65.0	51.7	74.6
Total octaCB	NL	5.31 U	1.57	2.90	31.0	9.32	32.6
Total nonaCB	NL	2.51	0.64 U	1.04 U	1.17	6.92 U	11.7 U
DecaCB	NL	0.46 U	0.70 U	0.91 U	7.54	5.23	8.07
Total PCB Congeners (ND = 0)	30,000	928	1320	609	730	1640	804
Total PCB Congeners (ND = 1/2 EDL)	30,000	1044	1429	691	892	1758	900

Notes:

Bold text indicates detected analyte

U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Data has not been verified or validated for usability.

Acronyms/Abbreviations:

EDL = estimated detection limit

EPA = US Environmental Protection Agency

ID = Identification

Lab = laboratory

ND = not detected

NL = not listed

PCB = polychlorinated biphenyl

pg/g = picogram per gram



February 25, 2021

Vista Work Order No. 2102089

Mr. Dylan Frazer
Landau Associates
130 2nd Avenue South
Edmond, WA 98020

Dear Mr. Frazer,

Enclosed are the amended results for the sample set received at Vista Analytical Laboratory on February 05, 2021 under your Project Name 'BayWood / 147053.010.017'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

for

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2102089

Case Narrative

Sample Condition on Receipt:

Three soil samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements. As requested, the report was amended to change the toxic equivalency factors (TEFs) used for the TEQ calculation from the WHO 2005 TEFs to the WHO 2005 human health risk TEFs.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2102089-01	HM-1-020321	03-Feb-21 16:45	05-Feb-21 07:57	Amber Glass, 250mL
2102089-02	HM-2-020321	03-Feb-21 16:50	05-Feb-21 07:57	Amber Glass, 250mL
2102089-03	HM-3-020321	03-Feb-21 16:55	05-Feb-21 07:57	Amber Glass, 250mL

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BLK1		
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Solid	Sample Size:	3.00 g	Column:	ZB-1

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-1	ND	0.495			17-Feb-21 00:44	1
PCB-2	ND	0.524			17-Feb-21 00:44	1
PCB-3	ND	0.534			17-Feb-21 00:44	1
PCB-4/10	ND	3.04			17-Feb-21 00:44	1
PCB-5/8	ND	2.36			17-Feb-21 00:44	1
PCB-6	ND	2.31			17-Feb-21 00:44	1
PCB-7/9	ND	2.45			17-Feb-21 00:44	1
PCB-11	ND	2.33			17-Feb-21 00:44	1
PCB-12/13	ND	2.55			17-Feb-21 00:44	1
PCB-14	ND	2.53			17-Feb-21 00:44	1
PCB-15	ND	2.55			17-Feb-21 00:44	1
PCB-16/32	ND	1.14			17-Feb-21 00:44	1
PCB-17	ND	1.41			17-Feb-21 00:44	1
PCB-18	ND	1.31			17-Feb-21 00:44	1
PCB-19	ND	1.37			17-Feb-21 00:44	1
PCB-20/21/33	ND	0.872			17-Feb-21 00:44	1
PCB-22	ND	0.839			17-Feb-21 00:44	1
PCB-23	ND	0.892			17-Feb-21 00:44	1
PCB-24/27	ND	1.01			17-Feb-21 00:44	1
PCB-25	ND	0.869			17-Feb-21 00:44	1
PCB-26	ND	0.870			17-Feb-21 00:44	1
PCB-28	ND	0.784			17-Feb-21 00:44	1
PCB-29	ND	0.924			17-Feb-21 00:44	1
PCB-30	ND	0.862			17-Feb-21 00:44	1
PCB-31	ND	0.772			17-Feb-21 00:44	1
PCB-34	ND	0.906			17-Feb-21 00:44	1
PCB-35	ND	0.901			17-Feb-21 00:44	1
PCB-36	ND	0.882			17-Feb-21 00:44	1
PCB-37	ND	0.917			17-Feb-21 00:44	1
PCB-38	ND	0.898			17-Feb-21 00:44	1
PCB-39	ND	0.939			17-Feb-21 00:44	1
PCB-40	ND	1.42			17-Feb-21 00:44	1
PCB-41/64/71/72	ND	0.728			17-Feb-21 00:44	1
PCB-42/59	ND	0.834			17-Feb-21 00:44	1
PCB-43/49	ND	0.926			17-Feb-21 00:44	1
PCB-44	ND	1.07			17-Feb-21 00:44	1
PCB-45	ND	1.07			17-Feb-21 00:44	1
PCB-46	ND	1.11			17-Feb-21 00:44	1
PCB-47	ND	0.942			17-Feb-21 00:44	1
PCB-48/75	ND	0.783			17-Feb-21 00:44	1
PCB-50	ND	0.783			17-Feb-21 00:44	1
PCB-51	ND	0.857			17-Feb-21 00:44	1
PCB-52/69	ND		1.60		17-Feb-21 00:44	1
PCB-53	ND	0.912			17-Feb-21 00:44	1
PCB-54	ND	0.645			17-Feb-21 00:44	1
PCB-55	ND	0.707			17-Feb-21 00:44	1
PCB-56/60	ND	0.796			17-Feb-21 00:44	1
PCB-57	ND	0.699			17-Feb-21 00:44	1
PCB-58	ND	0.696			17-Feb-21 00:44	1
PCB-61/70	ND		1.82		17-Feb-21 00:44	1
PCB-62	ND	0.784			17-Feb-21 00:44	1
PCB-63	ND	0.775			17-Feb-21 00:44	1
PCB-65	ND	0.701			17-Feb-21 00:44	1

Sample ID: Method Blank

EPA Method 1668C

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BLK1		
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Solid	Sample Size:	3.00 g	Column:	ZB-1

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-66/76	ND	0.703			17-Feb-21 00:44	1
PCB-67	ND	0.741			17-Feb-21 00:44	1
PCB-68	ND	0.684			17-Feb-21 00:44	1
PCB-73	ND	0.656			17-Feb-21 00:44	1
PCB-74	ND	0.692			17-Feb-21 00:44	1
PCB-77	ND	0.935			17-Feb-21 00:44	1
PCB-78	ND	0.889			17-Feb-21 00:44	1
PCB-79	ND	0.710			17-Feb-21 00:44	1
PCB-80	ND	0.698			17-Feb-21 00:44	1
PCB-81	ND	0.951			17-Feb-21 00:44	1
PCB-82	ND	1.16			17-Feb-21 00:44	1
PCB-83	ND	0.604			17-Feb-21 00:44	1
PCB-84/92	ND	0.862			17-Feb-21 00:44	1
PCB-85/116	ND	0.764			17-Feb-21 00:44	1
PCB-86	ND	0.889			17-Feb-21 00:44	1
PCB-87/117/125	ND	0.702			17-Feb-21 00:44	1
PCB-88/91	ND	0.801			17-Feb-21 00:44	1
PCB-89	ND	0.804			17-Feb-21 00:44	1
PCB-90/101	ND	0.787			17-Feb-21 00:44	1
PCB-93	ND	0.958			17-Feb-21 00:44	1
PCB-94	ND	0.878			17-Feb-21 00:44	1
PCB-95/98/102	ND	0.681			17-Feb-21 00:44	1
PCB-96	ND	0.528			17-Feb-21 00:44	1
PCB-97	ND	0.838			17-Feb-21 00:44	1
PCB-99	ND	0.717			17-Feb-21 00:44	1
PCB-100	ND	0.644			17-Feb-21 00:44	1
PCB-103	ND	0.673			17-Feb-21 00:44	1
PCB-104	ND	0.528			17-Feb-21 00:44	1
PCB-105	ND	0.906			17-Feb-21 00:44	1
PCB-106/118	ND	0.706			17-Feb-21 00:44	1
PCB-107/109	ND	0.668			17-Feb-21 00:44	1
PCB-108/112	ND	0.756			17-Feb-21 00:44	1
PCB-110	ND	0.628			17-Feb-21 00:44	1
PCB-111/115	ND	0.582			17-Feb-21 00:44	1
PCB-113	ND	0.566			17-Feb-21 00:44	1
PCB-114	ND	0.873			17-Feb-21 00:44	1
PCB-119	ND	0.615			17-Feb-21 00:44	1
PCB-120	ND	0.525			17-Feb-21 00:44	1
PCB-121	ND	0.498			17-Feb-21 00:44	1
PCB-122	ND	1.02			17-Feb-21 00:44	1
PCB-123	ND	0.740			17-Feb-21 00:44	1
PCB-124	ND	0.686			17-Feb-21 00:44	1
PCB-126	ND	0.981			17-Feb-21 00:44	1
PCB-127	ND	0.868			17-Feb-21 00:44	1
PCB-128/162	ND	0.613			17-Feb-21 00:44	1
PCB-129	ND	0.713			17-Feb-21 00:44	1
PCB-130	ND	0.763			17-Feb-21 00:44	1
PCB-131/133	ND	0.625			17-Feb-21 00:44	1
PCB-132/161	ND	0.501			17-Feb-21 00:44	1
PCB-134/143	ND	0.668			17-Feb-21 00:44	1
PCB-135	ND	0.527			17-Feb-21 00:44	1
PCB-136	ND	0.432			17-Feb-21 00:44	1
PCB-137	ND	0.647			17-Feb-21 00:44	1

Sample ID: Method Blank

EPA Method 1668C

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BLK1	Date Extracted:	09-Feb-21
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Column:	ZB-1
Matrix:	Solid	Sample Size:	3.00 g		

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-138/163/164	ND	0.498			17-Feb-21 00:44	1
PCB-139/149	ND	0.493			17-Feb-21 00:44	1
PCB-140	ND	0.584			17-Feb-21 00:44	1
PCB-141	ND	0.657			17-Feb-21 00:44	1
PCB-142	ND	0.698			17-Feb-21 00:44	1
PCB-144	ND	0.551			17-Feb-21 00:44	1
PCB-145	ND	0.387			17-Feb-21 00:44	1
PCB-146/165	ND	0.508			17-Feb-21 00:44	1
PCB-147	ND	0.534			17-Feb-21 00:44	1
PCB-148	ND	0.572			17-Feb-21 00:44	1
PCB-150	ND	0.408			17-Feb-21 00:44	1
PCB-151	ND	0.565			17-Feb-21 00:44	1
PCB-152	ND	0.374			17-Feb-21 00:44	1
PCB-153	ND	0.484			17-Feb-21 00:44	1
PCB-154	ND	0.528			17-Feb-21 00:44	1
PCB-155	ND	0.447			17-Feb-21 00:44	1
PCB-156	ND	0.541			17-Feb-21 00:44	1
PCB-157	ND	0.559			17-Feb-21 00:44	1
PCB-158/160	ND	0.505			17-Feb-21 00:44	1
PCB-159	ND	0.467			17-Feb-21 00:44	1
PCB-166	ND	0.497			17-Feb-21 00:44	1
PCB-167	ND	0.519			17-Feb-21 00:44	1
PCB-168	ND	0.463			17-Feb-21 00:44	1
PCB-169	ND	0.616			17-Feb-21 00:44	1
PCB-170	ND	0.795			17-Feb-21 00:44	1
PCB-171	ND	0.738			17-Feb-21 00:44	1
PCB-172	ND	0.715			17-Feb-21 00:44	1
PCB-173	ND	0.842			17-Feb-21 00:44	1
PCB-174	ND	0.750			17-Feb-21 00:44	1
PCB-175	ND	0.546			17-Feb-21 00:44	1
PCB-176	ND	0.418			17-Feb-21 00:44	1
PCB-177	ND	0.787			17-Feb-21 00:44	1
PCB-178	ND	0.561			17-Feb-21 00:44	1
PCB-179	ND	0.433			17-Feb-21 00:44	1
PCB-180	ND	0.691			17-Feb-21 00:44	1
PCB-181	ND	0.676			17-Feb-21 00:44	1
PCB-182/187	ND	0.494			17-Feb-21 00:44	1
PCB-183	ND	0.512			17-Feb-21 00:44	1
PCB-184	ND	0.408			17-Feb-21 00:44	1
PCB-185	ND	0.726			17-Feb-21 00:44	1
PCB-186	ND	0.378			17-Feb-21 00:44	1
PCB-188	ND	0.405			17-Feb-21 00:44	1
PCB-189	ND	0.605			17-Feb-21 00:44	1
PCB-190	ND	0.608			17-Feb-21 00:44	1
PCB-191	ND	0.597			17-Feb-21 00:44	1
PCB-192	ND	0.557			17-Feb-21 00:44	1
PCB-193	ND	0.611			17-Feb-21 00:44	1
PCB-194	ND	1.04			17-Feb-21 00:44	1
PCB-195	ND	1.16			17-Feb-21 00:44	1
PCB-196/203	ND	0.685			17-Feb-21 00:44	1
PCB-197	ND	0.536			17-Feb-21 00:44	1
PCB-198	ND	0.743			17-Feb-21 00:44	1
PCB-199	ND	0.732			17-Feb-21 00:44	1

Sample ID: Method Blank

EPA Method 1668C

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BLK1	Date Extracted:	09-Feb-21
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Column:	ZB-1
Matrix:	Solid	Sample Size:	3.00 g		

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-200	ND	0.567			17-Feb-21 00:44	1
PCB-201	ND	0.572			17-Feb-21 00:44	1
PCB-202	ND	0.520			17-Feb-21 00:44	1
PCB-204	ND	0.541			17-Feb-21 00:44	1
PCB-205	ND	0.872			17-Feb-21 00:44	1
PCB-206	ND	0.515			17-Feb-21 00:44	1
PCB-207	ND	0.386			17-Feb-21 00:44	1
PCB-208	ND	0.381			17-Feb-21 00:44	1
PCB-209	ND	0.568			17-Feb-21 00:44	1

Toxic Equivalent	
TEQRiskWHO2005PCB	0.0586

Totals	
Total monoCB	ND 0.534
Total diCB	ND 3.04
Total triCB	ND 1.41
Total tetraCB	ND 3.42
Total pentaCB	ND 1.16
Total hexaCB	ND 0.763
Total heptaCB	ND 0.842
Total octaCB	ND 1.16
Total nonaCB	ND 0.515
DecaCB	ND 0.568
Total PCB	ND

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-1	IS	85.4	5 - 145		17-Feb-21 00:44	1
13C-PCB-3	IS	82.6	5 - 145		17-Feb-21 00:44	1
13C-PCB-4	IS	86.8	5 - 145		17-Feb-21 00:44	1
13C-PCB-11	IS	87.2	5 - 145		17-Feb-21 00:44	1
13C-PCB-9	IS	88.3	5 - 145		17-Feb-21 00:44	1
13C-PCB-19	IS	96.7	5 - 145		17-Feb-21 00:44	1
13C-PCB-28	IS	84.3	5 - 145		17-Feb-21 00:44	1
13C-PCB-32	IS	96.3	5 - 145		17-Feb-21 00:44	1
13C-PCB-37	IS	79.4	5 - 145		17-Feb-21 00:44	1
13C-PCB-47	IS	100	5 - 145		17-Feb-21 00:44	1
13C-PCB-52	IS	101	5 - 145		17-Feb-21 00:44	1
13C-PCB-54	IS	107	5 - 145		17-Feb-21 00:44	1
13C-PCB-70	IS	93.7	5 - 145		17-Feb-21 00:44	1
13C-PCB-77	IS	83.1	10 - 145		17-Feb-21 00:44	1
13C-PCB-80	IS	94.1	10 - 145		17-Feb-21 00:44	1
13C-PCB-81	IS	84.2	10 - 145		17-Feb-21 00:44	1
13C-PCB-95	IS	100	10 - 145		17-Feb-21 00:44	1
13C-PCB-97	IS	91.8	10 - 145		17-Feb-21 00:44	1
13C-PCB-101	IS	95.5	10 - 145		17-Feb-21 00:44	1
13C-PCB-104	IS	111	10 - 145		17-Feb-21 00:44	1
13C-PCB-105	IS	95.1	10 - 145		17-Feb-21 00:44	1
13C-PCB-114	IS	99.3	10 - 145		17-Feb-21 00:44	1
13C-PCB-118	IS	86.4	10 - 145		17-Feb-21 00:44	1
13C-PCB-123	IS	85.6	10 - 145		17-Feb-21 00:44	1
13C-PCB-126	IS	83.3	10 - 145		17-Feb-21 00:44	1
13C-PCB-127	IS	94.7	10 - 145		17-Feb-21 00:44	1

Sample ID: Method Blank

EPA Method 1668C

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BLK1	Date Extracted:	09-Feb-21
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Column:	ZB-1
Matrix:	Solid	Sample Size:	3.00 g		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-138	IS	93.6	10 - 145		17-Feb-21 00:44	1
13C-PCB-141	IS	95.9	10 - 145		17-Feb-21 00:44	1
13C-PCB-153	IS	102	10 - 145		17-Feb-21 00:44	1
13C-PCB-155	IS	113	10 - 145		17-Feb-21 00:44	1
13C-PCB-156	IS	87.3	10 - 145		17-Feb-21 00:44	1
13C-PCB-157	IS	92.4	10 - 145		17-Feb-21 00:44	1
13C-PCB-159	IS	92.6	10 - 145		17-Feb-21 00:44	1
13C-PCB-167	IS	93.1	10 - 145		17-Feb-21 00:44	1
13C-PCB-169	IS	82.6	10 - 145		17-Feb-21 00:44	1
13C-PCB-170	IS	82.8	10 - 145		17-Feb-21 00:44	1
13C-PCB-180	IS	85.9	10 - 145		17-Feb-21 00:44	1
13C-PCB-188	IS	102	10 - 145		17-Feb-21 00:44	1
13C-PCB-189	IS	78.4	10 - 145		17-Feb-21 00:44	1
13C-PCB-194	IS	87.5	10 - 145		17-Feb-21 00:44	1
13C-PCB-202	IS	102	10 - 145		17-Feb-21 00:44	1
13C-PCB-206	IS	84.8	10 - 145		17-Feb-21 00:44	1
13C-PCB-208	IS	90.5	10 - 145		17-Feb-21 00:44	1
13C-PCB-209	IS	102	10 - 145		17-Feb-21 00:44	1
13C-PCB-79	CRS	88.9	10 - 145		17-Feb-21 00:44	1
13C-PCB-178	CRS	97.5	10 - 145		17-Feb-21 00:44	1

EDL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

The results are reported in wet weight.

Sample ID: OPR

EPA Method 1668C

Client Data		Laboratory Data				
Name:	Landau Associates	Lab Sample:	B1B0079-BS1		Date Extracted:	09-Feb-21 12:32
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079		Column:	ZB-1
Matrix:	Solid	Sample Size:	3.00 g			

Analyte	Amt Found (pg/g W	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
PCB-1	1780	1670	107	60-135		16-Feb-21 22:42	1
PCB-3	1730	1670	104	60-135		16-Feb-21 22:42	1
PCB-4/10	3620	3330	108	60-135		16-Feb-21 22:42	1
PCB-15	1750	1670	105	60-135		16-Feb-21 22:42	1
PCB-19	1670	1670	100	60-135		16-Feb-21 22:42	1
PCB-37	1810	1670	108	60-135		16-Feb-21 22:42	1
PCB-54	1750	1670	105	60-135		16-Feb-21 22:42	1
PCB-77	1760	1670	105	60-135		16-Feb-21 22:42	1
PCB-81	1770	1670	106	60-135		16-Feb-21 22:42	1
PCB-104	1660	1670	99.3	60-135		16-Feb-21 22:42	1
PCB-105	1830	1670	110	60-135		16-Feb-21 22:42	1
PCB-106/118	3370	3330	101	60-135		16-Feb-21 22:42	1
PCB-114	1720	1670	103	60-135		16-Feb-21 22:42	1
PCB-123	1670	1670	100	60-135		16-Feb-21 22:42	1
PCB-126	1840	1670	110	60-135		16-Feb-21 22:42	1
PCB-155	1690	1670	101	60-135		16-Feb-21 22:42	1
PCB-156	1680	1670	101	60-135		16-Feb-21 22:42	1
PCB-157	1720	1670	103	60-135		16-Feb-21 22:42	1
PCB-167	1780	1670	107	60-135		16-Feb-21 22:42	1
PCB-169	1690	1670	101	60-135		16-Feb-21 22:42	1
PCB-188	1750	1670	105	60-135		16-Feb-21 22:42	1
PCB-189	1680	1670	101	60-135		16-Feb-21 22:42	1
PCB-202	1670	1670	100	60-135		16-Feb-21 22:42	1
PCB-205	1960	1670	118	60-135		16-Feb-21 22:42	1
PCB-206	1710	1670	103	60-135		16-Feb-21 22:42	1
PCB-208	1830	1670	110	60-135		16-Feb-21 22:42	1
PCB-209	1700	1670	102	60-135		16-Feb-21 22:42	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-1	IS	54.0	15-145		16-Feb-21 22:42	1
13C-PCB-3	IS	52.2	15-145		16-Feb-21 22:42	1
13C-PCB-4	IS	54.3	15-145		16-Feb-21 22:42	1
13C-PCB-11	IS	56.1	15-145		16-Feb-21 22:42	1
13C-PCB-9	IS	55.6	15-145		16-Feb-21 22:42	1
13C-PCB-19	IS	60.0	15-145		16-Feb-21 22:42	1
13C-PCB-28	IS	55.4	15-145		16-Feb-21 22:42	1
13C-PCB-32	IS	61.4	15-145		16-Feb-21 22:42	1
13C-PCB-37	IS	53.0	15-145		16-Feb-21 22:42	1
13C-PCB-47	IS	59.1	15-145		16-Feb-21 22:42	1
13C-PCB-52	IS	58.5	15-145		16-Feb-21 22:42	1
13C-PCB-54	IS	62.0	15-145		16-Feb-21 22:42	1
13C-PCB-70	IS	57.7	15-145		16-Feb-21 22:42	1
13C-PCB-77	IS	54.0	40-145		16-Feb-21 22:42	1
13C-PCB-80	IS	59.2	40-145		16-Feb-21 22:42	1
13C-PCB-81	IS	53.8	40-145		16-Feb-21 22:42	1
13C-PCB-95	IS	62.3	40-145		16-Feb-21 22:42	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BS1	Date Extracted:	09-Feb-21 12:32
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Column:	ZB-1
Matrix:	Solid	Sample Size:	3.00 g		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-97	IS	58.6	40-145		16-Feb-21 22:42	1
13C-PCB-101	IS	58.5	40-145		16-Feb-21 22:42	1
13C-PCB-104	IS	63.2	40-145		16-Feb-21 22:42	1
13C-PCB-105	IS	57.7	40-145		16-Feb-21 22:42	1
13C-PCB-114	IS	60.2	40-145		16-Feb-21 22:42	1
13C-PCB-118	IS	55.9	40-145		16-Feb-21 22:42	1
13C-PCB-123	IS	55.5	40-145		16-Feb-21 22:42	1
13C-PCB-126	IS	49.9	40-145		16-Feb-21 22:42	1
13C-PCB-127	IS	59.2	40-145		16-Feb-21 22:42	1
13C-PCB-138	IS	59.3	40-145		16-Feb-21 22:42	1
13C-PCB-141	IS	61.2	40-145		16-Feb-21 22:42	1
13C-PCB-153	IS	62.5	40-145		16-Feb-21 22:42	1
13C-PCB-155	IS	73.8	40-145		16-Feb-21 22:42	1
13C-PCB-156	IS	56.4	40-145		16-Feb-21 22:42	1
13C-PCB-157	IS	57.4	40-145		16-Feb-21 22:42	1
13C-PCB-159	IS	58.1	40-145		16-Feb-21 22:42	1
13C-PCB-167	IS	55.7	40-145		16-Feb-21 22:42	1
13C-PCB-169	IS	57.5	40-145		16-Feb-21 22:42	1
13C-PCB-170	IS	56.0	40-145		16-Feb-21 22:42	1
13C-PCB-180	IS	58.5	40-145		16-Feb-21 22:42	1
13C-PCB-188	IS	64.5	40-145		16-Feb-21 22:42	1
13C-PCB-189	IS	51.9	40-145		16-Feb-21 22:42	1
13C-PCB-194	IS	54.6	40-145		16-Feb-21 22:42	1
13C-PCB-202	IS	67.8	40-145		16-Feb-21 22:42	1
13C-PCB-206	IS	57.6	40-145		16-Feb-21 22:42	1
13C-PCB-208	IS	58.4	40-145		16-Feb-21 22:42	1
13C-PCB-209	IS	65.7	40-145		16-Feb-21 22:42	1
13C-PCB-79	CRS	86.6	40-145		16-Feb-21 22:42	1
13C-PCB-178	CRS	94.8	40-145		16-Feb-21 22:42	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-01	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.31 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:45				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-1	ND		1.39		18-Feb-21 11:08	1
PCB-2	ND	0.405			18-Feb-21 11:08	1
PCB-3	ND		1.58		18-Feb-21 11:08	1
PCB-4/10	ND	2.17			18-Feb-21 11:08	1
PCB-5/8	ND	1.65			18-Feb-21 11:08	1
PCB-6	ND	1.62			18-Feb-21 11:08	1
PCB-7/9	ND	1.72			18-Feb-21 11:08	1
PCB-11	22.6				18-Feb-21 11:08	1
PCB-12/13	ND	1.72			18-Feb-21 11:08	1
PCB-14	ND	1.71			18-Feb-21 11:08	1
PCB-15	ND		4.07		18-Feb-21 11:08	1
PCB-16/32	11.8			J	18-Feb-21 11:08	1
PCB-17	8.97				18-Feb-21 11:08	1
PCB-18	17.7				18-Feb-21 11:08	1
PCB-19	ND		0.908		18-Feb-21 11:08	1
PCB-20/21/33	14.5			J	18-Feb-21 11:08	1
PCB-22	ND		8.18		18-Feb-21 11:08	1
PCB-23	ND	0.620			18-Feb-21 11:08	1
PCB-24/27	ND		1.28		18-Feb-21 11:08	1
PCB-25	ND		2.30		18-Feb-21 11:08	1
PCB-26	2.98			J	18-Feb-21 11:08	1
PCB-28	18.7				18-Feb-21 11:08	1
PCB-29	ND	0.642			18-Feb-21 11:08	1
PCB-30	ND	0.446			18-Feb-21 11:08	1
PCB-31	20.5				18-Feb-21 11:08	1
PCB-34	ND	0.630			18-Feb-21 11:08	1
PCB-35	ND	0.594			18-Feb-21 11:08	1
PCB-36	ND	0.582			18-Feb-21 11:08	1
PCB-37	6.21			J	18-Feb-21 11:08	1
PCB-38	3.30			J	18-Feb-21 11:08	1
PCB-39	ND	0.619			18-Feb-21 11:08	1
PCB-40	ND		7.93		18-Feb-21 11:08	1
PCB-41/64/71/72	32.1				18-Feb-21 11:08	1
PCB-42/59	9.96			J	18-Feb-21 11:08	1
PCB-43/49	26.2				18-Feb-21 11:08	1
PCB-44	41.0				18-Feb-21 11:08	1
PCB-45	ND		4.53		18-Feb-21 11:08	1
PCB-46	ND		2.10		18-Feb-21 11:08	1
PCB-47	150				18-Feb-21 11:08	1
PCB-48/75	8.85			J	18-Feb-21 11:08	1
PCB-50	ND	0.887			18-Feb-21 11:08	1
PCB-51	23.2				18-Feb-21 11:08	1
PCB-52/69	45.4				18-Feb-21 11:08	1
PCB-53	4.91			J	18-Feb-21 11:08	1
PCB-54	ND	0.730			18-Feb-21 11:08	1
PCB-55	ND	0.598			18-Feb-21 11:08	1
PCB-56/60	26.6				18-Feb-21 11:08	1
PCB-57	ND	0.617			18-Feb-21 11:08	1
PCB-58	ND	0.614			18-Feb-21 11:08	1
PCB-61/70	50.7				18-Feb-21 11:08	1
PCB-62	ND	0.783			18-Feb-21 11:08	1
PCB-63	ND		1.59		18-Feb-21 11:08	1
PCB-65	ND	0.700			18-Feb-21 11:08	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-01	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.31 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:45				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-66/76	29.4				18-Feb-21 11:08	1
PCB-67	ND	0.654			18-Feb-21 11:08	1
PCB-68	8.16				18-Feb-21 11:08	1
PCB-73	ND	0.639			18-Feb-21 11:08	1
PCB-74	16.2				18-Feb-21 11:08	1
PCB-77	ND		2.71		18-Feb-21 11:08	1
PCB-78	ND	0.664			18-Feb-21 11:08	1
PCB-79	ND		0.623		18-Feb-21 11:08	1
PCB-80	ND	0.591			18-Feb-21 11:08	1
PCB-81	1.37			J	18-Feb-21 11:08	1
PCB-82	ND		4.35		18-Feb-21 11:08	1
PCB-83	ND	0.371			18-Feb-21 11:08	1
PCB-84/92	24.6				18-Feb-21 11:08	1
PCB-85/116	8.72			J	18-Feb-21 11:08	1
PCB-86	ND		0.780		18-Feb-21 11:08	1
PCB-87/117/125	18.8			J	18-Feb-21 11:08	1
PCB-88/91	8.92			J	18-Feb-21 11:08	1
PCB-89	ND		0.850		18-Feb-21 11:08	1
PCB-90/101	57.7				18-Feb-21 11:08	1
PCB-93	ND	0.695			18-Feb-21 11:08	1
PCB-94	ND	0.637			18-Feb-21 11:08	1
PCB-95/98/102	47.1				18-Feb-21 11:08	1
PCB-96	ND		0.442		18-Feb-21 11:08	1
PCB-97	19.2				18-Feb-21 11:08	1
PCB-99	22.8				18-Feb-21 11:08	1
PCB-100	ND	0.518			18-Feb-21 11:08	1
PCB-103	ND	0.542			18-Feb-21 11:08	1
PCB-104	ND	0.425			18-Feb-21 11:08	1
PCB-105	18.7				18-Feb-21 11:08	1
PCB-106/118	38.2				18-Feb-21 11:08	1
PCB-107/109	ND		2.05		18-Feb-21 11:08	1
PCB-108/112	1.78			J	18-Feb-21 11:08	1
PCB-110	ND		43.4		18-Feb-21 11:08	1
PCB-111/115	ND		1.28		18-Feb-21 11:08	1
PCB-113	ND	0.385			18-Feb-21 11:08	1
PCB-114	ND		0.927		18-Feb-21 11:08	1
PCB-119	ND	0.378			18-Feb-21 11:08	1
PCB-120	ND	0.322			18-Feb-21 11:08	1
PCB-121	ND	0.361			18-Feb-21 11:08	1
PCB-122	ND	0.534			18-Feb-21 11:08	1
PCB-123	ND		0.789		18-Feb-21 11:08	1
PCB-124	ND		1.19		18-Feb-21 11:08	1
PCB-126	ND	0.450			18-Feb-21 11:08	1
PCB-127	ND	0.427			18-Feb-21 11:08	1
PCB-128/162	ND		4.06		18-Feb-21 11:08	1
PCB-129	ND		1.23		18-Feb-21 11:08	1
PCB-130	ND		1.68		18-Feb-21 11:08	1
PCB-131/133	1.06			J	18-Feb-21 11:08	1
PCB-132/161	8.77			J	18-Feb-21 11:08	1
PCB-134/143	ND		1.31		18-Feb-21 11:08	1
PCB-135	ND		2.11		18-Feb-21 11:08	1
PCB-136	4.13			J	18-Feb-21 11:08	1
PCB-137	ND		1.93		18-Feb-21 11:08	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-01	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.31 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:45				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-138/163/164	26.6				18-Feb-21 11:08	1
PCB-139/149	ND		15.7		18-Feb-21 11:08	1
PCB-140	ND	0.308			18-Feb-21 11:08	1
PCB-141	ND		4.27		18-Feb-21 11:08	1
PCB-142	ND	0.687			18-Feb-21 11:08	1
PCB-144	ND		2.10		18-Feb-21 11:08	1
PCB-145	ND	0.204			18-Feb-21 11:08	1
PCB-146/165	3.67			J	18-Feb-21 11:08	1
PCB-147	ND		0.844		18-Feb-21 11:08	1
PCB-148	ND	0.301			18-Feb-21 11:08	1
PCB-150	ND	0.215			18-Feb-21 11:08	1
PCB-151	ND		4.63		18-Feb-21 11:08	1
PCB-152	ND	0.197			18-Feb-21 11:08	1
PCB-153	ND		18.7		18-Feb-21 11:08	1
PCB-154	ND	0.278			18-Feb-21 11:08	1
PCB-155	ND	0.235			18-Feb-21 11:08	1
PCB-156	ND		2.86		18-Feb-21 11:08	1
PCB-157	ND	0.493			18-Feb-21 11:08	1
PCB-158/160	3.37			J	18-Feb-21 11:08	1
PCB-159	ND	0.414			18-Feb-21 11:08	1
PCB-166	ND	0.440			18-Feb-21 11:08	1
PCB-167	1.43			J	18-Feb-21 11:08	1
PCB-168	ND	0.456			18-Feb-21 11:08	1
PCB-169	ND	0.445			18-Feb-21 11:08	1
PCB-170	4.37			J	18-Feb-21 11:08	1
PCB-171	ND	1.01			18-Feb-21 11:08	1
PCB-172	ND	0.974			18-Feb-21 11:08	1
PCB-173	ND	1.15			18-Feb-21 11:08	1
PCB-174	4.72			J	18-Feb-21 11:08	1
PCB-175	ND	0.977			18-Feb-21 11:08	1
PCB-176	ND	0.748			18-Feb-21 11:08	1
PCB-177	ND		2.55		18-Feb-21 11:08	1
PCB-178	ND		0.963		18-Feb-21 11:08	1
PCB-179	ND		1.87		18-Feb-21 11:08	1
PCB-180	ND		8.63		18-Feb-21 11:08	1
PCB-181	ND	0.921			18-Feb-21 11:08	1
PCB-182/187	ND		3.18		18-Feb-21 11:08	1
PCB-183	ND		2.22		18-Feb-21 11:08	1
PCB-184	ND	0.731			18-Feb-21 11:08	1
PCB-185	ND	0.989			18-Feb-21 11:08	1
PCB-186	ND	0.676			18-Feb-21 11:08	1
PCB-188	ND	0.724			18-Feb-21 11:08	1
PCB-189	ND	0.780			18-Feb-21 11:08	1
PCB-190	ND		0.717		18-Feb-21 11:08	1
PCB-191	ND	0.813			18-Feb-21 11:08	1
PCB-192	ND	0.759			18-Feb-21 11:08	1
PCB-193	ND	0.832			18-Feb-21 11:08	1
PCB-194	ND		2.26		18-Feb-21 11:08	1
PCB-195	ND	0.775			18-Feb-21 11:08	1
PCB-196/203	ND		1.80		18-Feb-21 11:08	1
PCB-197	ND	0.296			18-Feb-21 11:08	1
PCB-198	ND	0.410			18-Feb-21 11:08	1
PCB-199	ND		1.25		18-Feb-21 11:08	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-01	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.31 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:45				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-200	ND	0.313			18-Feb-21 11:08	1
PCB-201	ND	0.316			18-Feb-21 11:08	1
PCB-202	ND	0.287			18-Feb-21 11:08	1
PCB-204	ND	0.299			18-Feb-21 11:08	1
PCB-205	ND	0.585			18-Feb-21 11:08	1
PCB-206	1.81			J	18-Feb-21 11:08	1
PCB-207	ND	0.381			18-Feb-21 11:08	1
PCB-208	0.701			J	18-Feb-21 11:08	1
PCB-209	ND	0.456			18-Feb-21 11:08	1

Toxic Equivalent	
TEQRiskWHO2005PCB	0.0316

Totals		
Total monoCB	ND	2.98
Total diCB	22.6	26.7
Total triCB	105	117
Total tetraCB	474	493
Total pentaCB	267	323
Total hexaCB	49.0	110
Total heptaCB	9.09	29.2
Total octaCB	ND	5.31
Total nonaCB	2.51	
DecaCB	ND	0.456
Total PCB	928	

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-1	IS	82.0	5 - 145		18-Feb-21 11:08	1
13C-PCB-3	IS	82.9	5 - 145		18-Feb-21 11:08	1
13C-PCB-4	IS	76.2	5 - 145		18-Feb-21 11:08	1
13C-PCB-11	IS	80.5	5 - 145		18-Feb-21 11:08	1
13C-PCB-9	IS	77.7	5 - 145		18-Feb-21 11:08	1
13C-PCB-19	IS	95.8	5 - 145		18-Feb-21 11:08	1
13C-PCB-28	IS	94.2	5 - 145		18-Feb-21 11:08	1
13C-PCB-32	IS	99.9	5 - 145		18-Feb-21 11:08	1
13C-PCB-37	IS	89.4	5 - 145		18-Feb-21 11:08	1
13C-PCB-47	IS	78.6	5 - 145		18-Feb-21 11:08	1
13C-PCB-52	IS	79.3	5 - 145		18-Feb-21 11:08	1
13C-PCB-54	IS	73.0	5 - 145		18-Feb-21 11:08	1
13C-PCB-70	IS	82.3	5 - 145		18-Feb-21 11:08	1
13C-PCB-77	IS	83.9	10 - 145		18-Feb-21 11:08	1
13C-PCB-80	IS	82.8	10 - 145		18-Feb-21 11:08	1
13C-PCB-81	IS	83.7	10 - 145		18-Feb-21 11:08	1
13C-PCB-95	IS	80.0	10 - 145		18-Feb-21 11:08	1
13C-PCB-97	IS	84.5	10 - 145		18-Feb-21 11:08	1
13C-PCB-101	IS	82.2	10 - 145		18-Feb-21 11:08	1
13C-PCB-104	IS	80.4	10 - 145		18-Feb-21 11:08	1
13C-PCB-105	IS	73.7	10 - 145		18-Feb-21 11:08	1
13C-PCB-114	IS	74.3	10 - 145		18-Feb-21 11:08	1
13C-PCB-118	IS	85.6	10 - 145		18-Feb-21 11:08	1
13C-PCB-123	IS	88.0	10 - 145		18-Feb-21 11:08	1
13C-PCB-126	IS	68.7	10 - 145		18-Feb-21 11:08	1
13C-PCB-127	IS	75.1	10 - 145		18-Feb-21 11:08	1

Sample ID: HM-1-020321**EPA Method 1668C****Client Data**

Name: Landau Associates
 Project: BayWood / 147053.010.017
 Matrix: Soil
 Date Collected: 03-Feb-21 16:45

Laboratory Data

Lab Sample: 2102089-01 Date Received: 05-Feb-21 07:57
 QC Batch: B1B0079 Date Extracted: 09-Feb-21
 Sample Size: 3.31 g Column: ZB-1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-138	IS	81.7	10 - 145		18-Feb-21 11:08	1
13C-PCB-141	IS	83.5	10 - 145		18-Feb-21 11:08	1
13C-PCB-153	IS	81.4	10 - 145		18-Feb-21 11:08	1
13C-PCB-155	IS	101	10 - 145		18-Feb-21 11:08	1
13C-PCB-156	IS	84.4	10 - 145		18-Feb-21 11:08	1
13C-PCB-157	IS	85.1	10 - 145		18-Feb-21 11:08	1
13C-PCB-159	IS	83.8	10 - 145		18-Feb-21 11:08	1
13C-PCB-167	IS	85.3	10 - 145		18-Feb-21 11:08	1
13C-PCB-169	IS	87.2	10 - 145		18-Feb-21 11:08	1
13C-PCB-170	IS	89.8	10 - 145		18-Feb-21 11:08	1
13C-PCB-180	IS	89.6	10 - 145		18-Feb-21 11:08	1
13C-PCB-188	IS	82.1	10 - 145		18-Feb-21 11:08	1
13C-PCB-189	IS	90.3	10 - 145		18-Feb-21 11:08	1
13C-PCB-194	IS	85.3	10 - 145		18-Feb-21 11:08	1
13C-PCB-202	IS	101	10 - 145		18-Feb-21 11:08	1
13C-PCB-206	IS	89.8	10 - 145		18-Feb-21 11:08	1
13C-PCB-208	IS	92.2	10 - 145		18-Feb-21 11:08	1
13C-PCB-209	IS	102	10 - 145		18-Feb-21 11:08	1
13C-PCB-79	CRS	86.2	10 - 145		18-Feb-21 11:08	1
13C-PCB-178	CRS	94.4	10 - 145		18-Feb-21 11:08	1

EDL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

The results are reported in wet weight.

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-02	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.45 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:50				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-1	ND		1.51		18-Feb-21 12:09	1
PCB-2	ND	0.401			18-Feb-21 12:09	1
PCB-3	ND		1.88		18-Feb-21 12:09	1
PCB-4/10	ND	2.48			18-Feb-21 12:09	1
PCB-5/8	ND	1.90			18-Feb-21 12:09	1
PCB-6	ND	1.86			18-Feb-21 12:09	1
PCB-7/9	ND	1.98			18-Feb-21 12:09	1
PCB-11	36.4				18-Feb-21 12:09	1
PCB-12/13	ND	1.86			18-Feb-21 12:09	1
PCB-14	ND	1.86			18-Feb-21 12:09	1
PCB-15	ND	1.87			18-Feb-21 12:09	1
PCB-16/32	12.5			J	18-Feb-21 12:09	1
PCB-17	13.2				18-Feb-21 12:09	1
PCB-18	14.8				18-Feb-21 12:09	1
PCB-19	ND	0.667			18-Feb-21 12:09	1
PCB-20/21/33	14.8			J	18-Feb-21 12:09	1
PCB-22	ND		10.6		18-Feb-21 12:09	1
PCB-23	ND	0.714			18-Feb-21 12:09	1
PCB-24/27	ND		1.46		18-Feb-21 12:09	1
PCB-25	ND		5.06		18-Feb-21 12:09	1
PCB-26	ND		2.20		18-Feb-21 12:09	1
PCB-28	19.7				18-Feb-21 12:09	1
PCB-29	ND	0.739			18-Feb-21 12:09	1
PCB-30	ND	0.421			18-Feb-21 12:09	1
PCB-31	22.2				18-Feb-21 12:09	1
PCB-34	ND	0.725			18-Feb-21 12:09	1
PCB-35	ND	0.674			18-Feb-21 12:09	1
PCB-36	ND	0.660			18-Feb-21 12:09	1
PCB-37	6.15			J	18-Feb-21 12:09	1
PCB-38	11.1				18-Feb-21 12:09	1
PCB-39	ND	0.703			18-Feb-21 12:09	1
PCB-40	7.34				18-Feb-21 12:09	1
PCB-41/64/71/72	27.8			J	18-Feb-21 12:09	1
PCB-42/59	ND		8.60		18-Feb-21 12:09	1
PCB-43/49	ND		27.8		18-Feb-21 12:09	1
PCB-44	38.8				18-Feb-21 12:09	1
PCB-45	ND		4.48		18-Feb-21 12:09	1
PCB-46	3.47			J	18-Feb-21 12:09	1
PCB-47	488				18-Feb-21 12:09	1
PCB-48/75	5.33			J	18-Feb-21 12:09	1
PCB-50	ND	0.619			18-Feb-21 12:09	1
PCB-51	72.1				18-Feb-21 12:09	1
PCB-52/69	45.9				18-Feb-21 12:09	1
PCB-53	4.14			J	18-Feb-21 12:09	1
PCB-54	ND	0.510			18-Feb-21 12:09	1
PCB-55	ND	0.414			18-Feb-21 12:09	1
PCB-56/60	ND		22.0		18-Feb-21 12:09	1
PCB-57	ND	0.430			18-Feb-21 12:09	1
PCB-58	ND	0.428			18-Feb-21 12:09	1
PCB-61/70	48.9				18-Feb-21 12:09	1
PCB-62	ND	0.535			18-Feb-21 12:09	1
PCB-63	ND		1.11		18-Feb-21 12:09	1
PCB-65	ND	0.478			18-Feb-21 12:09	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-02	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.45 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:50				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-66/76	28.8				18-Feb-21 12:09	1
PCB-67	ND	0.456			18-Feb-21 12:09	1
PCB-68	29.8				18-Feb-21 12:09	1
PCB-73	ND	0.454			18-Feb-21 12:09	1
PCB-74	16.0				18-Feb-21 12:09	1
PCB-77	ND		2.23		18-Feb-21 12:09	1
PCB-78	ND	0.424			18-Feb-21 12:09	1
PCB-79	ND	0.416			18-Feb-21 12:09	1
PCB-80	ND	0.409			18-Feb-21 12:09	1
PCB-81	ND	0.453			18-Feb-21 12:09	1
PCB-82	6.18			J	18-Feb-21 12:09	1
PCB-83	ND	0.379			18-Feb-21 12:09	1
PCB-84/92	24.9				18-Feb-21 12:09	1
PCB-85/116	ND		8.02		18-Feb-21 12:09	1
PCB-86	ND	0.558			18-Feb-21 12:09	1
PCB-87/117/125	19.7			J	18-Feb-21 12:09	1
PCB-88/91	ND		7.05		18-Feb-21 12:09	1
PCB-89	ND	0.546			18-Feb-21 12:09	1
PCB-90/101	50.4				18-Feb-21 12:09	1
PCB-93	ND	0.703			18-Feb-21 12:09	1
PCB-94	ND	0.645			18-Feb-21 12:09	1
PCB-95/98/102	40.3				18-Feb-21 12:09	1
PCB-96	ND	0.442			18-Feb-21 12:09	1
PCB-97	14.5				18-Feb-21 12:09	1
PCB-99	20.4				18-Feb-21 12:09	1
PCB-100	ND	0.539			18-Feb-21 12:09	1
PCB-103	ND	0.564			18-Feb-21 12:09	1
PCB-104	ND	0.442			18-Feb-21 12:09	1
PCB-105	16.7				18-Feb-21 12:09	1
PCB-106/118	34.1				18-Feb-21 12:09	1
PCB-107/109	ND		1.85		18-Feb-21 12:09	1
PCB-108/112	1.81			J	18-Feb-21 12:09	1
PCB-110	44.2				18-Feb-21 12:09	1
PCB-111/115	0.962			J	18-Feb-21 12:09	1
PCB-113	ND	0.384			18-Feb-21 12:09	1
PCB-114	ND		1.04		18-Feb-21 12:09	1
PCB-119	ND		1.04		18-Feb-21 12:09	1
PCB-120	ND	0.330			18-Feb-21 12:09	1
PCB-121	ND	0.366			18-Feb-21 12:09	1
PCB-122	ND	0.616			18-Feb-21 12:09	1
PCB-123	ND	0.400			18-Feb-21 12:09	1
PCB-124	ND		1.17		18-Feb-21 12:09	1
PCB-126	ND	0.525			18-Feb-21 12:09	1
PCB-127	ND	0.498			18-Feb-21 12:09	1
PCB-128/162	5.45			J	18-Feb-21 12:09	1
PCB-129	1.42			J	18-Feb-21 12:09	1
PCB-130	ND	0.817			18-Feb-21 12:09	1
PCB-131/133	1.34			J	18-Feb-21 12:09	1
PCB-132/161	6.79			J	18-Feb-21 12:09	1
PCB-134/143	ND		1.52		18-Feb-21 12:09	1
PCB-135	ND		2.56		18-Feb-21 12:09	1
PCB-136	3.85			J	18-Feb-21 12:09	1
PCB-137	ND		1.21		18-Feb-21 12:09	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-02	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.45 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:50				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-138/163/164	21.7				18-Feb-21 12:09	1
PCB-139/149	ND		14.7		18-Feb-21 12:09	1
PCB-140	ND	0.242			18-Feb-21 12:09	1
PCB-141	ND		4.33		18-Feb-21 12:09	1
PCB-142	ND	0.827			18-Feb-21 12:09	1
PCB-144	1.63			J	18-Feb-21 12:09	1
PCB-145	ND	0.161			18-Feb-21 12:09	1
PCB-146/165	ND		2.90		18-Feb-21 12:09	1
PCB-147	ND	0.222			18-Feb-21 12:09	1
PCB-148	ND	0.237			18-Feb-21 12:09	1
PCB-150	ND	0.169			18-Feb-21 12:09	1
PCB-151	5.81			J	18-Feb-21 12:09	1
PCB-152	ND	0.155			18-Feb-21 12:09	1
PCB-153	17.9				18-Feb-21 12:09	1
PCB-154	ND	0.219			18-Feb-21 12:09	1
PCB-155	ND	0.185			18-Feb-21 12:09	1
PCB-156	2.46			J	18-Feb-21 12:09	1
PCB-157	ND		0.866		18-Feb-21 12:09	1
PCB-158/160	ND		2.83		18-Feb-21 12:09	1
PCB-159	ND	0.526			18-Feb-21 12:09	1
PCB-166	ND	0.559			18-Feb-21 12:09	1
PCB-167	ND	0.556			18-Feb-21 12:09	1
PCB-168	ND	0.549			18-Feb-21 12:09	1
PCB-169	ND	0.598			18-Feb-21 12:09	1
PCB-170	ND		2.81		18-Feb-21 12:09	1
PCB-171	ND	0.517			18-Feb-21 12:09	1
PCB-172	ND	0.501			18-Feb-21 12:09	1
PCB-173	ND	0.590			18-Feb-21 12:09	1
PCB-174	ND		3.07		18-Feb-21 12:09	1
PCB-175	ND	0.433			18-Feb-21 12:09	1
PCB-176	ND	0.332			18-Feb-21 12:09	1
PCB-177	ND		2.02		18-Feb-21 12:09	1
PCB-178	ND		0.704		18-Feb-21 12:09	1
PCB-179	ND		1.19		18-Feb-21 12:09	1
PCB-180	8.70				18-Feb-21 12:09	1
PCB-181	ND	0.474			18-Feb-21 12:09	1
PCB-182/187	ND		3.33		18-Feb-21 12:09	1
PCB-183	2.56			J	18-Feb-21 12:09	1
PCB-184	ND	0.324			18-Feb-21 12:09	1
PCB-185	ND	0.509			18-Feb-21 12:09	1
PCB-186	ND	0.300			18-Feb-21 12:09	1
PCB-188	ND	0.321			18-Feb-21 12:09	1
PCB-189	ND	0.327			18-Feb-21 12:09	1
PCB-190	1.19			J	18-Feb-21 12:09	1
PCB-191	ND	0.418			18-Feb-21 12:09	1
PCB-192	ND	0.390			18-Feb-21 12:09	1
PCB-193	ND	0.428			18-Feb-21 12:09	1
PCB-194	ND		2.30		18-Feb-21 12:09	1
PCB-195	ND	1.02			18-Feb-21 12:09	1
PCB-196/203	ND		1.84		18-Feb-21 12:09	1
PCB-197	ND	0.536			18-Feb-21 12:09	1
PCB-198	ND	0.743			18-Feb-21 12:09	1
PCB-199	1.57			J	18-Feb-21 12:09	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-02	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.45 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:50				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-200	ND	0.567			18-Feb-21 12:09	1
PCB-201	ND	0.572			18-Feb-21 12:09	1
PCB-202	ND	0.519			18-Feb-21 12:09	1
PCB-204	ND	0.541			18-Feb-21 12:09	1
PCB-205	ND	0.767			18-Feb-21 12:09	1
PCB-206	ND	1.42			18-Feb-21 12:09	1
PCB-207	ND	0.682			18-Feb-21 12:09	1
PCB-208	ND		0.644		18-Feb-21 12:09	1
PCB-209	ND	0.704			18-Feb-21 12:09	1

Toxic Equivalent	
TEQRiskWHO2005PCB	0.0370

Totals	
Total monoCB	ND
Total diCB	36.4
Total triCB	114
Total tetraCB	816
Total pentaCB	274
Total hexaCB	68.4
Total heptaCB	12.4
Total octaCB	1.57
Total nonaCB	ND
DecaCB	ND
Total PCB	1320

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-1	IS	76.1	5 - 145		18-Feb-21 12:09	1
13C-PCB-3	IS	80.4	5 - 145		18-Feb-21 12:09	1
13C-PCB-4	IS	73.0	5 - 145		18-Feb-21 12:09	1
13C-PCB-11	IS	82.1	5 - 145		18-Feb-21 12:09	1
13C-PCB-9	IS	76.0	5 - 145		18-Feb-21 12:09	1
13C-PCB-19	IS	100	5 - 145		18-Feb-21 12:09	1
13C-PCB-28	IS	92.1	5 - 145		18-Feb-21 12:09	1
13C-PCB-32	IS	103	5 - 145		18-Feb-21 12:09	1
13C-PCB-37	IS	90.8	5 - 145		18-Feb-21 12:09	1
13C-PCB-47	IS	79.0	5 - 145		18-Feb-21 12:09	1
13C-PCB-52	IS	77.0	5 - 145		18-Feb-21 12:09	1
13C-PCB-54	IS	71.8	5 - 145		18-Feb-21 12:09	1
13C-PCB-70	IS	82.9	5 - 145		18-Feb-21 12:09	1
13C-PCB-77	IS	86.0	10 - 145		18-Feb-21 12:09	1
13C-PCB-80	IS	83.8	10 - 145		18-Feb-21 12:09	1
13C-PCB-81	IS	88.6	10 - 145		18-Feb-21 12:09	1
13C-PCB-95	IS	80.8	10 - 145		18-Feb-21 12:09	1
13C-PCB-97	IS	86.9	10 - 145		18-Feb-21 12:09	1
13C-PCB-101	IS	84.7	10 - 145		18-Feb-21 12:09	1
13C-PCB-104	IS	78.4	10 - 145		18-Feb-21 12:09	1
13C-PCB-105	IS	75.7	10 - 145		18-Feb-21 12:09	1
13C-PCB-114	IS	76.9	10 - 145		18-Feb-21 12:09	1
13C-PCB-118	IS	87.1	10 - 145		18-Feb-21 12:09	1
13C-PCB-123	IS	90.9	10 - 145		18-Feb-21 12:09	1
13C-PCB-126	IS	72.6	10 - 145		18-Feb-21 12:09	1
13C-PCB-127	IS	78.1	10 - 145		18-Feb-21 12:09	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-02	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.45 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:50				

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-138	IS	88.8	10 - 145		18-Feb-21 12:09	1
13C-PCB-141	IS	89.1	10 - 145		18-Feb-21 12:09	1
13C-PCB-153	IS	88.2	10 - 145		18-Feb-21 12:09	1
13C-PCB-155	IS	103	10 - 145		18-Feb-21 12:09	1
13C-PCB-156	IS	90.6	10 - 145		18-Feb-21 12:09	1
13C-PCB-157	IS	91.3	10 - 145		18-Feb-21 12:09	1
13C-PCB-159	IS	89.3	10 - 145		18-Feb-21 12:09	1
13C-PCB-167	IS	90.3	10 - 145		18-Feb-21 12:09	1
13C-PCB-169	IS	91.7	10 - 145		18-Feb-21 12:09	1
13C-PCB-170	IS	94.8	10 - 145		18-Feb-21 12:09	1
13C-PCB-180	IS	92.0	10 - 145		18-Feb-21 12:09	1
13C-PCB-188	IS	88.3	10 - 145		18-Feb-21 12:09	1
13C-PCB-189	IS	97.2	10 - 145		18-Feb-21 12:09	1
13C-PCB-194	IS	94.4	10 - 145		18-Feb-21 12:09	1
13C-PCB-202	IS	109	10 - 145		18-Feb-21 12:09	1
13C-PCB-206	IS	80.9	10 - 145		18-Feb-21 12:09	1
13C-PCB-208	IS	104	10 - 145		18-Feb-21 12:09	1
13C-PCB-209	IS	96.9	10 - 145		18-Feb-21 12:09	1
13C-PCB-79	CRS	94.4	10 - 145		18-Feb-21 12:09	1
13C-PCB-178	CRS	110	10 - 145		18-Feb-21 12:09	1

EDL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

The results are reported in wet weight.

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-03	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.29 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:55				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-1	ND		1.49		18-Feb-21 13:10	1
PCB-2	ND	0.368			18-Feb-21 13:10	1
PCB-3	ND		1.57		18-Feb-21 13:10	1
PCB-4/10	ND	2.43			18-Feb-21 13:10	1
PCB-5/8	ND	1.91			18-Feb-21 13:10	1
PCB-6	ND	1.87			18-Feb-21 13:10	1
PCB-7/9	ND	1.98			18-Feb-21 13:10	1
PCB-11	11.0				18-Feb-21 13:10	1
PCB-12/13	ND	2.00			18-Feb-21 13:10	1
PCB-14	ND	1.99			18-Feb-21 13:10	1
PCB-15	ND	2.00			18-Feb-21 13:10	1
PCB-16/32	ND		9.16		18-Feb-21 13:10	1
PCB-17	3.88			J	18-Feb-21 13:10	1
PCB-18	11.7				18-Feb-21 13:10	1
PCB-19	ND	0.698			18-Feb-21 13:10	1
PCB-20/21/33	11.2			J	18-Feb-21 13:10	1
PCB-22	ND		4.82		18-Feb-21 13:10	1
PCB-23	ND	0.594			18-Feb-21 13:10	1
PCB-24/27	ND	0.495			18-Feb-21 13:10	1
PCB-25	ND	0.579			18-Feb-21 13:10	1
PCB-26	ND		1.99		18-Feb-21 13:10	1
PCB-28	13.2				18-Feb-21 13:10	1
PCB-29	ND	0.615			18-Feb-21 13:10	1
PCB-30	ND	0.440			18-Feb-21 13:10	1
PCB-31	16.4				18-Feb-21 13:10	1
PCB-34	ND	0.604			18-Feb-21 13:10	1
PCB-35	ND	0.561			18-Feb-21 13:10	1
PCB-36	ND	0.549			18-Feb-21 13:10	1
PCB-37	ND		4.35		18-Feb-21 13:10	1
PCB-38	ND	0.559			18-Feb-21 13:10	1
PCB-39	ND	0.585			18-Feb-21 13:10	1
PCB-40	ND		4.98		18-Feb-21 13:10	1
PCB-41/64/71/72	26.1			J	18-Feb-21 13:10	1
PCB-42/59	8.86			J	18-Feb-21 13:10	1
PCB-43/49	21.2				18-Feb-21 13:10	1
PCB-44	28.8				18-Feb-21 13:10	1
PCB-45	4.24			J	18-Feb-21 13:10	1
PCB-46	ND		2.03		18-Feb-21 13:10	1
PCB-47	8.09				18-Feb-21 13:10	1
PCB-48/75	ND		5.73		18-Feb-21 13:10	1
PCB-50	ND	0.680			18-Feb-21 13:10	1
PCB-51	ND		1.16		18-Feb-21 13:10	1
PCB-52/69	36.1				18-Feb-21 13:10	1
PCB-53	ND		3.33		18-Feb-21 13:10	1
PCB-54	ND	0.560			18-Feb-21 13:10	1
PCB-55	ND	0.461			18-Feb-21 13:10	1
PCB-56/60	21.4				18-Feb-21 13:10	1
PCB-57	ND	0.454			18-Feb-21 13:10	1
PCB-58	ND	0.452			18-Feb-21 13:10	1
PCB-61/70	42.0				18-Feb-21 13:10	1
PCB-62	ND	0.582			18-Feb-21 13:10	1
PCB-63	ND		1.19		18-Feb-21 13:10	1
PCB-65	ND	0.521			18-Feb-21 13:10	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-03	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.29 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:55				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-66/76	25.3				18-Feb-21 13:10	1
PCB-67	ND	0.481			18-Feb-21 13:10	1
PCB-68	ND	0.508			18-Feb-21 13:10	1
PCB-73	ND	0.481			18-Feb-21 13:10	1
PCB-74	14.3				18-Feb-21 13:10	1
PCB-77	ND		1.79		18-Feb-21 13:10	1
PCB-78	ND	0.477			18-Feb-21 13:10	1
PCB-79	ND	0.463			18-Feb-21 13:10	1
PCB-80	ND	0.455			18-Feb-21 13:10	1
PCB-81	ND		1.48		18-Feb-21 13:10	1
PCB-82	5.80			J	18-Feb-21 13:10	1
PCB-83	ND	0.378			18-Feb-21 13:10	1
PCB-84/92	17.2				18-Feb-21 13:10	1
PCB-85/116	ND		7.44		18-Feb-21 13:10	1
PCB-86	ND	0.556			18-Feb-21 13:10	1
PCB-87/117/125	15.5			J	18-Feb-21 13:10	1
PCB-88/91	ND		5.90		18-Feb-21 13:10	1
PCB-89	ND	0.549			18-Feb-21 13:10	1
PCB-90/101	39.2				18-Feb-21 13:10	1
PCB-93	ND	0.691			18-Feb-21 13:10	1
PCB-94	ND	0.634			18-Feb-21 13:10	1
PCB-95/98/102	30.5				18-Feb-21 13:10	1
PCB-96	ND	0.408			18-Feb-21 13:10	1
PCB-97	11.9				18-Feb-21 13:10	1
PCB-99	16.6				18-Feb-21 13:10	1
PCB-100	ND	0.498			18-Feb-21 13:10	1
PCB-103	ND	0.520			18-Feb-21 13:10	1
PCB-104	ND	0.408			18-Feb-21 13:10	1
PCB-105	14.8				18-Feb-21 13:10	1
PCB-106/118	30.9				18-Feb-21 13:10	1
PCB-107/109	1.50			J	18-Feb-21 13:10	1
PCB-108/112	2.02			J	18-Feb-21 13:10	1
PCB-110	40.4				18-Feb-21 13:10	1
PCB-111/115	1.22			J	18-Feb-21 13:10	1
PCB-113	ND	0.386			18-Feb-21 13:10	1
PCB-114	ND	0.629			18-Feb-21 13:10	1
PCB-119	ND	0.384			18-Feb-21 13:10	1
PCB-120	ND	0.328			18-Feb-21 13:10	1
PCB-121	ND	0.359			18-Feb-21 13:10	1
PCB-122	ND	0.733			18-Feb-21 13:10	1
PCB-123	ND	0.427			18-Feb-21 13:10	1
PCB-124	ND		1.24		18-Feb-21 13:10	1
PCB-126	ND	0.615			18-Feb-21 13:10	1
PCB-127	ND	0.595			18-Feb-21 13:10	1
PCB-128/162	ND		4.13		18-Feb-21 13:10	1
PCB-129	1.66			J	18-Feb-21 13:10	1
PCB-130	ND		0.997		18-Feb-21 13:10	1
PCB-131/133	ND		0.463		18-Feb-21 13:10	1
PCB-132/161	ND		6.37		18-Feb-21 13:10	1
PCB-134/143	ND		1.13		18-Feb-21 13:10	1
PCB-135	ND		2.03		18-Feb-21 13:10	1
PCB-136	ND		2.58		18-Feb-21 13:10	1
PCB-137	ND		1.17		18-Feb-21 13:10	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-03	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.29 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:55				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-138/163/164	22.6			J	18-Feb-21 13:10	1
PCB-139/149	12.5			J	18-Feb-21 13:10	1
PCB-140	ND	0.263			18-Feb-21 13:10	1
PCB-141	ND		4.29		18-Feb-21 13:10	1
PCB-142	ND	0.585			18-Feb-21 13:10	1
PCB-144	ND		1.18		18-Feb-21 13:10	1
PCB-145	ND	0.175			18-Feb-21 13:10	1
PCB-146/165	ND		1.76		18-Feb-21 13:10	1
PCB-147	ND	0.241			18-Feb-21 13:10	1
PCB-148	ND	0.258			18-Feb-21 13:10	1
PCB-150	ND	0.184			18-Feb-21 13:10	1
PCB-151	ND		3.30		18-Feb-21 13:10	1
PCB-152	ND	0.169			18-Feb-21 13:10	1
PCB-153	19.3				18-Feb-21 13:10	1
PCB-154	ND	0.238			18-Feb-21 13:10	1
PCB-155	ND	0.202			18-Feb-21 13:10	1
PCB-156	3.31			J	18-Feb-21 13:10	1
PCB-157	ND		0.942		18-Feb-21 13:10	1
PCB-158/160	3.18			J	18-Feb-21 13:10	1
PCB-159	ND	0.344			18-Feb-21 13:10	1
PCB-166	ND	0.366			18-Feb-21 13:10	1
PCB-167	ND	0.377			18-Feb-21 13:10	1
PCB-168	ND	0.388			18-Feb-21 13:10	1
PCB-169	ND	0.411			18-Feb-21 13:10	1
PCB-170	ND		2.90		18-Feb-21 13:10	1
PCB-171	1.50			J	18-Feb-21 13:10	1
PCB-172	ND	0.447			18-Feb-21 13:10	1
PCB-173	ND	0.527			18-Feb-21 13:10	1
PCB-174	ND		2.87		18-Feb-21 13:10	1
PCB-175	ND	0.472			18-Feb-21 13:10	1
PCB-176	ND		0.410		18-Feb-21 13:10	1
PCB-177	ND		1.93		18-Feb-21 13:10	1
PCB-178	ND		0.575		18-Feb-21 13:10	1
PCB-179	1.89			J	18-Feb-21 13:10	1
PCB-180	9.40				18-Feb-21 13:10	1
PCB-181	ND	0.423			18-Feb-21 13:10	1
PCB-182/187	ND		2.72		18-Feb-21 13:10	1
PCB-183	ND		3.14		18-Feb-21 13:10	1
PCB-184	ND	0.353			18-Feb-21 13:10	1
PCB-185	ND	0.454			18-Feb-21 13:10	1
PCB-186	ND	0.327			18-Feb-21 13:10	1
PCB-188	ND	0.350			18-Feb-21 13:10	1
PCB-189	ND	0.365			18-Feb-21 13:10	1
PCB-190	ND	0.395			18-Feb-21 13:10	1
PCB-191	ND	0.373			18-Feb-21 13:10	1
PCB-192	ND	0.348			18-Feb-21 13:10	1
PCB-193	ND	0.382			18-Feb-21 13:10	1
PCB-194	ND		2.09		18-Feb-21 13:10	1
PCB-195	ND	1.37			18-Feb-21 13:10	1
PCB-196/203	ND		1.74		18-Feb-21 13:10	1
PCB-197	ND	0.435			18-Feb-21 13:10	1
PCB-198	ND	0.603			18-Feb-21 13:10	1
PCB-199	2.90			J	18-Feb-21 13:10	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-03	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.29 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:55				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-200	ND	0.460			18-Feb-21 13:10	1
PCB-201	ND	0.464			18-Feb-21 13:10	1
PCB-202	ND	0.421			18-Feb-21 13:10	1
PCB-204	ND	0.439			18-Feb-21 13:10	1
PCB-205	ND	1.03			18-Feb-21 13:10	1
PCB-206	ND	1.04			18-Feb-21 13:10	1
PCB-207	ND	0.683			18-Feb-21 13:10	1
PCB-208	ND	0.674			18-Feb-21 13:10	1
PCB-209	ND	0.909			18-Feb-21 13:10	1

Toxic Equivalent	
TEQRiskWHO2005PCB	0.0387

Totals		
Total monoCB	ND	3.06
Total diCB	11.0	
Total triCB	56.4	76.7
Total tetraCB	236	258
Total pentaCB	228	242
Total hexaCB	62.5	92.8
Total heptaCB	12.8	27.3
Total octaCB	2.90	6.73
Total nonaCB	ND	1.04
DecaCB	ND	0.909
Total PCB	609	

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-1	IS	87.7	5 - 145		18-Feb-21 13:10	1
13C-PCB-3	IS	89.4	5 - 145		18-Feb-21 13:10	1
13C-PCB-4	IS	80.4	5 - 145		18-Feb-21 13:10	1
13C-PCB-11	IS	84.9	5 - 145		18-Feb-21 13:10	1
13C-PCB-9	IS	83.0	5 - 145		18-Feb-21 13:10	1
13C-PCB-19	IS	101	5 - 145		18-Feb-21 13:10	1
13C-PCB-28	IS	96.4	5 - 145		18-Feb-21 13:10	1
13C-PCB-32	IS	104	5 - 145		18-Feb-21 13:10	1
13C-PCB-37	IS	93.8	5 - 145		18-Feb-21 13:10	1
13C-PCB-47	IS	82.4	5 - 145		18-Feb-21 13:10	1
13C-PCB-52	IS	82.1	5 - 145		18-Feb-21 13:10	1
13C-PCB-54	IS	73.5	5 - 145		18-Feb-21 13:10	1
13C-PCB-70	IS	85.7	5 - 145		18-Feb-21 13:10	1
13C-PCB-77	IS	84.9	10 - 145		18-Feb-21 13:10	1
13C-PCB-80	IS	86.4	10 - 145		18-Feb-21 13:10	1
13C-PCB-81	IS	88.4	10 - 145		18-Feb-21 13:10	1
13C-PCB-95	IS	83.9	10 - 145		18-Feb-21 13:10	1
13C-PCB-97	IS	87.1	10 - 145		18-Feb-21 13:10	1
13C-PCB-101	IS	87.2	10 - 145		18-Feb-21 13:10	1
13C-PCB-104	IS	86.7	10 - 145		18-Feb-21 13:10	1
13C-PCB-105	IS	72.9	10 - 145		18-Feb-21 13:10	1
13C-PCB-114	IS	73.9	10 - 145		18-Feb-21 13:10	1
13C-PCB-118	IS	88.7	10 - 145		18-Feb-21 13:10	1
13C-PCB-123	IS	91.1	10 - 145		18-Feb-21 13:10	1
13C-PCB-126	IS	67.9	10 - 145		18-Feb-21 13:10	1
13C-PCB-127	IS	73.5	10 - 145		18-Feb-21 13:10	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102089-03	Date Received:	05-Feb-21 07:57
Project:	BayWood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.29 g	Column:	ZB-1
Date Collected:	03-Feb-21 16:55				

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-138	IS	86.2	10 - 145		18-Feb-21 13:10	1
13C-PCB-141	IS	84.1	10 - 145		18-Feb-21 13:10	1
13C-PCB-153	IS	82.6	10 - 145		18-Feb-21 13:10	1
13C-PCB-155	IS	106	10 - 145		18-Feb-21 13:10	1
13C-PCB-156	IS	89.6	10 - 145		18-Feb-21 13:10	1
13C-PCB-157	IS	87.7	10 - 145		18-Feb-21 13:10	1
13C-PCB-159	IS	87.0	10 - 145		18-Feb-21 13:10	1
13C-PCB-167	IS	88.5	10 - 145		18-Feb-21 13:10	1
13C-PCB-169	IS	89.2	10 - 145		18-Feb-21 13:10	1
13C-PCB-170	IS	97.7	10 - 145		18-Feb-21 13:10	1
13C-PCB-180	IS	95.8	10 - 145		18-Feb-21 13:10	1
13C-PCB-188	IS	85.2	10 - 145		18-Feb-21 13:10	1
13C-PCB-189	IS	96.4	10 - 145		18-Feb-21 13:10	1
13C-PCB-194	IS	90.6	10 - 145		18-Feb-21 13:10	1
13C-PCB-202	IS	114	10 - 145		18-Feb-21 13:10	1
13C-PCB-206	IS	88.8	10 - 145		18-Feb-21 13:10	1
13C-PCB-208	IS	98.8	10 - 145		18-Feb-21 13:10	1
13C-PCB-209	IS	107	10 - 145		18-Feb-21 13:10	1
13C-PCB-79	CRS	87.6	10 - 145		18-Feb-21 13:10	1
13C-PCB-178	CRS	96.9	10 - 145		18-Feb-21 13:10	1

EDL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

The results are reported in wet weight.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2102089

TAT WWS 02/05/21
Std 14 days

Samples Arrival:	Date/Time <u>02/05/21 07:57</u>		Initials: <u>K2</u>		Location: <u>WR-2</u>		Shelf/Rack: <u>N/A</u>	
	Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice		<input type="checkbox"/> Blue Ice		<input type="checkbox"/> Techni Ice	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None	
Temp °C: <u>0.0</u> (uncorrected)	Probe used: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N				Thermometer ID: <u>DT-4</u>			
Temp °C: <u>0.0</u> (corrected)								

	YES	NO	NA					
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Shipping Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
Airbill <u> </u> Trk # <u>7837 9504 3327</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Shipping Container	<input type="checkbox"/> Vista	<input checked="" type="checkbox"/> Client	<input type="checkbox"/> Retain	<input checked="" type="checkbox"/> Return	<input type="checkbox"/> Dispose			
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Logged In:	Date/Time <u>02/05/21 0813</u>		Initials: <u>WWS</u>		Location: <u>WR-2</u>		Shelf/Rack: <u>F-2</u>	
COC Anomaly/Sample Acceptance Form completed?				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Comments:

CoC/Label Reconciliation Report WO# 2102089

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	Sample BaseMatrix	Sample Comments
2102089-01	A HM-1-020321		03-Feb-21 16:45	Amber Glass, 250mL	Solid	
2102089-02	A HM-2-020321		03-Feb-21 16:50	Amber Glass, 250mL	Solid	
2102089-03	A HM-3-020321		03-Feb-21 16:55	Amber Glass, 250mL	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA	Comments:
Sample Container Intact?	✓			
Sample Custody Seals Intact?			✓	
Adequate Sample Volume?	✓			
Container Type Appropriate for Analysis(es)	✓			
Preservation Documented: Na ₂ S ₂ O ₃ Trizma <u>None</u> Other		✓	✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓	

Verified by/Date: WWS 02/05/21



February 25, 2021

Vista Work Order No. 2102106

Mr. Dylan Frazer
Landau Associates
130 2nd Avenue South
Edmond, WA 98020

Dear Mr. Frazer,

Enclosed are the amended results for the sample set received at Vista Analytical Laboratory on February 06, 2021 under your Project Name 'Baywood / 147053.010.017'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

for

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2102106

Case Narrative

Sample Condition on Receipt:

Three soil samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements. As requested, the report was amended to change the toxic equivalency factors (TEFs) used for the TEQ calculation from the WHO 2005 TEFs to the WHO 2005 human health risk TEFs.

Analytical Notes:

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2102106-01	WM-1-020521	05-Feb-21 12:40	06-Feb-21 10:16	Amber Glass, 250mL
2102106-02	WM-2-020521	05-Feb-21 12:45	06-Feb-21 10:16	Amber Glass, 250mL
2102106-03	WM-3-020521	05-Feb-21 12:50	06-Feb-21 10:16	Amber Glass, 250mL

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1668C

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BLK1		
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Solid	Sample Size:	3.00 g	Column:	ZB-1

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-1	ND	0.495			17-Feb-21 00:44	1
PCB-2	ND	0.524			17-Feb-21 00:44	1
PCB-3	ND	0.534			17-Feb-21 00:44	1
PCB-4/10	ND	3.04			17-Feb-21 00:44	1
PCB-5/8	ND	2.36			17-Feb-21 00:44	1
PCB-6	ND	2.31			17-Feb-21 00:44	1
PCB-7/9	ND	2.45			17-Feb-21 00:44	1
PCB-11	ND	2.33			17-Feb-21 00:44	1
PCB-12/13	ND	2.55			17-Feb-21 00:44	1
PCB-14	ND	2.53			17-Feb-21 00:44	1
PCB-15	ND	2.55			17-Feb-21 00:44	1
PCB-16/32	ND	1.14			17-Feb-21 00:44	1
PCB-17	ND	1.41			17-Feb-21 00:44	1
PCB-18	ND	1.31			17-Feb-21 00:44	1
PCB-19	ND	1.37			17-Feb-21 00:44	1
PCB-20/21/33	ND	0.872			17-Feb-21 00:44	1
PCB-22	ND	0.839			17-Feb-21 00:44	1
PCB-23	ND	0.892			17-Feb-21 00:44	1
PCB-24/27	ND	1.01			17-Feb-21 00:44	1
PCB-25	ND	0.869			17-Feb-21 00:44	1
PCB-26	ND	0.870			17-Feb-21 00:44	1
PCB-28	ND	0.784			17-Feb-21 00:44	1
PCB-29	ND	0.924			17-Feb-21 00:44	1
PCB-30	ND	0.862			17-Feb-21 00:44	1
PCB-31	ND	0.772			17-Feb-21 00:44	1
PCB-34	ND	0.906			17-Feb-21 00:44	1
PCB-35	ND	0.901			17-Feb-21 00:44	1
PCB-36	ND	0.882			17-Feb-21 00:44	1
PCB-37	ND	0.917			17-Feb-21 00:44	1
PCB-38	ND	0.898			17-Feb-21 00:44	1
PCB-39	ND	0.939			17-Feb-21 00:44	1
PCB-40	ND	1.42			17-Feb-21 00:44	1
PCB-41/64/71/72	ND	0.728			17-Feb-21 00:44	1
PCB-42/59	ND	0.834			17-Feb-21 00:44	1
PCB-43/49	ND	0.926			17-Feb-21 00:44	1
PCB-44	ND	1.07			17-Feb-21 00:44	1
PCB-45	ND	1.07			17-Feb-21 00:44	1
PCB-46	ND	1.11			17-Feb-21 00:44	1
PCB-47	ND	0.942			17-Feb-21 00:44	1
PCB-48/75	ND	0.783			17-Feb-21 00:44	1
PCB-50	ND	0.783			17-Feb-21 00:44	1
PCB-51	ND	0.857			17-Feb-21 00:44	1
PCB-52/69	ND		1.60		17-Feb-21 00:44	1
PCB-53	ND	0.912			17-Feb-21 00:44	1
PCB-54	ND	0.645			17-Feb-21 00:44	1
PCB-55	ND	0.707			17-Feb-21 00:44	1
PCB-56/60	ND	0.796			17-Feb-21 00:44	1
PCB-57	ND	0.699			17-Feb-21 00:44	1
PCB-58	ND	0.696			17-Feb-21 00:44	1
PCB-61/70	ND		1.82		17-Feb-21 00:44	1
PCB-62	ND	0.784			17-Feb-21 00:44	1
PCB-63	ND	0.775			17-Feb-21 00:44	1
PCB-65	ND	0.701			17-Feb-21 00:44	1

Sample ID: Method Blank

EPA Method 1668C

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BLK1		
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Solid	Sample Size:	3.00 g	Column:	ZB-1

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-66/76	ND	0.703			17-Feb-21 00:44	1
PCB-67	ND	0.741			17-Feb-21 00:44	1
PCB-68	ND	0.684			17-Feb-21 00:44	1
PCB-73	ND	0.656			17-Feb-21 00:44	1
PCB-74	ND	0.692			17-Feb-21 00:44	1
PCB-77	ND	0.935			17-Feb-21 00:44	1
PCB-78	ND	0.889			17-Feb-21 00:44	1
PCB-79	ND	0.710			17-Feb-21 00:44	1
PCB-80	ND	0.698			17-Feb-21 00:44	1
PCB-81	ND	0.951			17-Feb-21 00:44	1
PCB-82	ND	1.16			17-Feb-21 00:44	1
PCB-83	ND	0.604			17-Feb-21 00:44	1
PCB-84/92	ND	0.862			17-Feb-21 00:44	1
PCB-85/116	ND	0.764			17-Feb-21 00:44	1
PCB-86	ND	0.889			17-Feb-21 00:44	1
PCB-87/117/125	ND	0.702			17-Feb-21 00:44	1
PCB-88/91	ND	0.801			17-Feb-21 00:44	1
PCB-89	ND	0.804			17-Feb-21 00:44	1
PCB-90/101	ND	0.787			17-Feb-21 00:44	1
PCB-93	ND	0.958			17-Feb-21 00:44	1
PCB-94	ND	0.878			17-Feb-21 00:44	1
PCB-95/98/102	ND	0.681			17-Feb-21 00:44	1
PCB-96	ND	0.528			17-Feb-21 00:44	1
PCB-97	ND	0.838			17-Feb-21 00:44	1
PCB-99	ND	0.717			17-Feb-21 00:44	1
PCB-100	ND	0.644			17-Feb-21 00:44	1
PCB-103	ND	0.673			17-Feb-21 00:44	1
PCB-104	ND	0.528			17-Feb-21 00:44	1
PCB-105	ND	0.906			17-Feb-21 00:44	1
PCB-106/118	ND	0.706			17-Feb-21 00:44	1
PCB-107/109	ND	0.668			17-Feb-21 00:44	1
PCB-108/112	ND	0.756			17-Feb-21 00:44	1
PCB-110	ND	0.628			17-Feb-21 00:44	1
PCB-111/115	ND	0.582			17-Feb-21 00:44	1
PCB-113	ND	0.566			17-Feb-21 00:44	1
PCB-114	ND	0.873			17-Feb-21 00:44	1
PCB-119	ND	0.615			17-Feb-21 00:44	1
PCB-120	ND	0.525			17-Feb-21 00:44	1
PCB-121	ND	0.498			17-Feb-21 00:44	1
PCB-122	ND	1.02			17-Feb-21 00:44	1
PCB-123	ND	0.740			17-Feb-21 00:44	1
PCB-124	ND	0.686			17-Feb-21 00:44	1
PCB-126	ND	0.981			17-Feb-21 00:44	1
PCB-127	ND	0.868			17-Feb-21 00:44	1
PCB-128/162	ND	0.613			17-Feb-21 00:44	1
PCB-129	ND	0.713			17-Feb-21 00:44	1
PCB-130	ND	0.763			17-Feb-21 00:44	1
PCB-131/133	ND	0.625			17-Feb-21 00:44	1
PCB-132/161	ND	0.501			17-Feb-21 00:44	1
PCB-134/143	ND	0.668			17-Feb-21 00:44	1
PCB-135	ND	0.527			17-Feb-21 00:44	1
PCB-136	ND	0.432			17-Feb-21 00:44	1
PCB-137	ND	0.647			17-Feb-21 00:44	1

Sample ID: Method Blank

EPA Method 1668C

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BLK1		
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Solid	Sample Size:	3.00 g	Column:	ZB-1

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-138/163/164	ND	0.498			17-Feb-21 00:44	1
PCB-139/149	ND	0.493			17-Feb-21 00:44	1
PCB-140	ND	0.584			17-Feb-21 00:44	1
PCB-141	ND	0.657			17-Feb-21 00:44	1
PCB-142	ND	0.698			17-Feb-21 00:44	1
PCB-144	ND	0.551			17-Feb-21 00:44	1
PCB-145	ND	0.387			17-Feb-21 00:44	1
PCB-146/165	ND	0.508			17-Feb-21 00:44	1
PCB-147	ND	0.534			17-Feb-21 00:44	1
PCB-148	ND	0.572			17-Feb-21 00:44	1
PCB-150	ND	0.408			17-Feb-21 00:44	1
PCB-151	ND	0.565			17-Feb-21 00:44	1
PCB-152	ND	0.374			17-Feb-21 00:44	1
PCB-153	ND	0.484			17-Feb-21 00:44	1
PCB-154	ND	0.528			17-Feb-21 00:44	1
PCB-155	ND	0.447			17-Feb-21 00:44	1
PCB-156	ND	0.541			17-Feb-21 00:44	1
PCB-157	ND	0.559			17-Feb-21 00:44	1
PCB-158/160	ND	0.505			17-Feb-21 00:44	1
PCB-159	ND	0.467			17-Feb-21 00:44	1
PCB-166	ND	0.497			17-Feb-21 00:44	1
PCB-167	ND	0.519			17-Feb-21 00:44	1
PCB-168	ND	0.463			17-Feb-21 00:44	1
PCB-169	ND	0.616			17-Feb-21 00:44	1
PCB-170	ND	0.795			17-Feb-21 00:44	1
PCB-171	ND	0.738			17-Feb-21 00:44	1
PCB-172	ND	0.715			17-Feb-21 00:44	1
PCB-173	ND	0.842			17-Feb-21 00:44	1
PCB-174	ND	0.750			17-Feb-21 00:44	1
PCB-175	ND	0.546			17-Feb-21 00:44	1
PCB-176	ND	0.418			17-Feb-21 00:44	1
PCB-177	ND	0.787			17-Feb-21 00:44	1
PCB-178	ND	0.561			17-Feb-21 00:44	1
PCB-179	ND	0.433			17-Feb-21 00:44	1
PCB-180	ND	0.691			17-Feb-21 00:44	1
PCB-181	ND	0.676			17-Feb-21 00:44	1
PCB-182/187	ND	0.494			17-Feb-21 00:44	1
PCB-183	ND	0.512			17-Feb-21 00:44	1
PCB-184	ND	0.408			17-Feb-21 00:44	1
PCB-185	ND	0.726			17-Feb-21 00:44	1
PCB-186	ND	0.378			17-Feb-21 00:44	1
PCB-188	ND	0.405			17-Feb-21 00:44	1
PCB-189	ND	0.605			17-Feb-21 00:44	1
PCB-190	ND	0.608			17-Feb-21 00:44	1
PCB-191	ND	0.597			17-Feb-21 00:44	1
PCB-192	ND	0.557			17-Feb-21 00:44	1
PCB-193	ND	0.611			17-Feb-21 00:44	1
PCB-194	ND	1.04			17-Feb-21 00:44	1
PCB-195	ND	1.16			17-Feb-21 00:44	1
PCB-196/203	ND	0.685			17-Feb-21 00:44	1
PCB-197	ND	0.536			17-Feb-21 00:44	1
PCB-198	ND	0.743			17-Feb-21 00:44	1
PCB-199	ND	0.732			17-Feb-21 00:44	1

Sample ID: Method Blank

EPA Method 1668C

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BLK1	Date Extracted:	09-Feb-21
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Column:	ZB-1
Matrix:	Solid	Sample Size:	3.00 g		

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-200	ND	0.567			17-Feb-21 00:44	1
PCB-201	ND	0.572			17-Feb-21 00:44	1
PCB-202	ND	0.520			17-Feb-21 00:44	1
PCB-204	ND	0.541			17-Feb-21 00:44	1
PCB-205	ND	0.872			17-Feb-21 00:44	1
PCB-206	ND	0.515			17-Feb-21 00:44	1
PCB-207	ND	0.386			17-Feb-21 00:44	1
PCB-208	ND	0.381			17-Feb-21 00:44	1
PCB-209	ND	0.568			17-Feb-21 00:44	1

Toxic Equivalent	
TEQRiskWHO2005PCB	0.0586

Totals	
Total monoCB	ND 0.534
Total diCB	ND 3.04
Total triCB	ND 1.41
Total tetraCB	ND 3.42
Total pentaCB	ND 1.16
Total hexaCB	ND 0.763
Total heptaCB	ND 0.842
Total octaCB	ND 1.16
Total nonaCB	ND 0.515
DecaCB	ND 0.568
Total PCB	ND

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-1	IS	85.4	5 - 145		17-Feb-21 00:44	1
13C-PCB-3	IS	82.6	5 - 145		17-Feb-21 00:44	1
13C-PCB-4	IS	86.8	5 - 145		17-Feb-21 00:44	1
13C-PCB-11	IS	87.2	5 - 145		17-Feb-21 00:44	1
13C-PCB-9	IS	88.3	5 - 145		17-Feb-21 00:44	1
13C-PCB-19	IS	96.7	5 - 145		17-Feb-21 00:44	1
13C-PCB-28	IS	84.3	5 - 145		17-Feb-21 00:44	1
13C-PCB-32	IS	96.3	5 - 145		17-Feb-21 00:44	1
13C-PCB-37	IS	79.4	5 - 145		17-Feb-21 00:44	1
13C-PCB-47	IS	100	5 - 145		17-Feb-21 00:44	1
13C-PCB-52	IS	101	5 - 145		17-Feb-21 00:44	1
13C-PCB-54	IS	107	5 - 145		17-Feb-21 00:44	1
13C-PCB-70	IS	93.7	5 - 145		17-Feb-21 00:44	1
13C-PCB-77	IS	83.1	10 - 145		17-Feb-21 00:44	1
13C-PCB-80	IS	94.1	10 - 145		17-Feb-21 00:44	1
13C-PCB-81	IS	84.2	10 - 145		17-Feb-21 00:44	1
13C-PCB-95	IS	100	10 - 145		17-Feb-21 00:44	1
13C-PCB-97	IS	91.8	10 - 145		17-Feb-21 00:44	1
13C-PCB-101	IS	95.5	10 - 145		17-Feb-21 00:44	1
13C-PCB-104	IS	111	10 - 145		17-Feb-21 00:44	1
13C-PCB-105	IS	95.1	10 - 145		17-Feb-21 00:44	1
13C-PCB-114	IS	99.3	10 - 145		17-Feb-21 00:44	1
13C-PCB-118	IS	86.4	10 - 145		17-Feb-21 00:44	1
13C-PCB-123	IS	85.6	10 - 145		17-Feb-21 00:44	1
13C-PCB-126	IS	83.3	10 - 145		17-Feb-21 00:44	1
13C-PCB-127	IS	94.7	10 - 145		17-Feb-21 00:44	1

Sample ID: Method Blank

EPA Method 1668C

Client Data

Name: Landau Associates
 Project: Baywood / 147053.010.017
 Matrix: Solid

Laboratory Data

Lab Sample: B1B0079-BLK1
 QC Batch: B1B0079 Date Extracted: 09-Feb-21
 Sample Size: 3.00 g Column: ZB-1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-138	IS	93.6	10 - 145		17-Feb-21 00:44	1
13C-PCB-141	IS	95.9	10 - 145		17-Feb-21 00:44	1
13C-PCB-153	IS	102	10 - 145		17-Feb-21 00:44	1
13C-PCB-155	IS	113	10 - 145		17-Feb-21 00:44	1
13C-PCB-156	IS	87.3	10 - 145		17-Feb-21 00:44	1
13C-PCB-157	IS	92.4	10 - 145		17-Feb-21 00:44	1
13C-PCB-159	IS	92.6	10 - 145		17-Feb-21 00:44	1
13C-PCB-167	IS	93.1	10 - 145		17-Feb-21 00:44	1
13C-PCB-169	IS	82.6	10 - 145		17-Feb-21 00:44	1
13C-PCB-170	IS	82.8	10 - 145		17-Feb-21 00:44	1
13C-PCB-180	IS	85.9	10 - 145		17-Feb-21 00:44	1
13C-PCB-188	IS	102	10 - 145		17-Feb-21 00:44	1
13C-PCB-189	IS	78.4	10 - 145		17-Feb-21 00:44	1
13C-PCB-194	IS	87.5	10 - 145		17-Feb-21 00:44	1
13C-PCB-202	IS	102	10 - 145		17-Feb-21 00:44	1
13C-PCB-206	IS	84.8	10 - 145		17-Feb-21 00:44	1
13C-PCB-208	IS	90.5	10 - 145		17-Feb-21 00:44	1
13C-PCB-209	IS	102	10 - 145		17-Feb-21 00:44	1
13C-PCB-79	CRS	88.9	10 - 145		17-Feb-21 00:44	1
13C-PCB-178	CRS	97.5	10 - 145		17-Feb-21 00:44	1

EDL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

The results are reported in wet weight.

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BS1	Date Extracted:	09-Feb-21 12:32
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Column:	ZB-1
Matrix:	Solid	Sample Size:	3.00 g		

Analyte	Amt Found (pg/g W	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
PCB-1	1780	1670	107	60-135		16-Feb-21 22:42	1
PCB-3	1730	1670	104	60-135		16-Feb-21 22:42	1
PCB-4/10	3620	3330	108	60-135		16-Feb-21 22:42	1
PCB-15	1750	1670	105	60-135		16-Feb-21 22:42	1
PCB-19	1670	1670	100	60-135		16-Feb-21 22:42	1
PCB-37	1810	1670	108	60-135		16-Feb-21 22:42	1
PCB-54	1750	1670	105	60-135		16-Feb-21 22:42	1
PCB-77	1760	1670	105	60-135		16-Feb-21 22:42	1
PCB-81	1770	1670	106	60-135		16-Feb-21 22:42	1
PCB-104	1660	1670	99.3	60-135		16-Feb-21 22:42	1
PCB-105	1830	1670	110	60-135		16-Feb-21 22:42	1
PCB-106/118	3370	3330	101	60-135		16-Feb-21 22:42	1
PCB-114	1720	1670	103	60-135		16-Feb-21 22:42	1
PCB-123	1670	1670	100	60-135		16-Feb-21 22:42	1
PCB-126	1840	1670	110	60-135		16-Feb-21 22:42	1
PCB-155	1690	1670	101	60-135		16-Feb-21 22:42	1
PCB-156	1680	1670	101	60-135		16-Feb-21 22:42	1
PCB-157	1720	1670	103	60-135		16-Feb-21 22:42	1
PCB-167	1780	1670	107	60-135		16-Feb-21 22:42	1
PCB-169	1690	1670	101	60-135		16-Feb-21 22:42	1
PCB-188	1750	1670	105	60-135		16-Feb-21 22:42	1
PCB-189	1680	1670	101	60-135		16-Feb-21 22:42	1
PCB-202	1670	1670	100	60-135		16-Feb-21 22:42	1
PCB-205	1960	1670	118	60-135		16-Feb-21 22:42	1
PCB-206	1710	1670	103	60-135		16-Feb-21 22:42	1
PCB-208	1830	1670	110	60-135		16-Feb-21 22:42	1
PCB-209	1700	1670	102	60-135		16-Feb-21 22:42	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-1	IS	54.0	15-145		16-Feb-21 22:42	1
13C-PCB-3	IS	52.2	15-145		16-Feb-21 22:42	1
13C-PCB-4	IS	54.3	15-145		16-Feb-21 22:42	1
13C-PCB-11	IS	56.1	15-145		16-Feb-21 22:42	1
13C-PCB-9	IS	55.6	15-145		16-Feb-21 22:42	1
13C-PCB-19	IS	60.0	15-145		16-Feb-21 22:42	1
13C-PCB-28	IS	55.4	15-145		16-Feb-21 22:42	1
13C-PCB-32	IS	61.4	15-145		16-Feb-21 22:42	1
13C-PCB-37	IS	53.0	15-145		16-Feb-21 22:42	1
13C-PCB-47	IS	59.1	15-145		16-Feb-21 22:42	1
13C-PCB-52	IS	58.5	15-145		16-Feb-21 22:42	1
13C-PCB-54	IS	62.0	15-145		16-Feb-21 22:42	1
13C-PCB-70	IS	57.7	15-145		16-Feb-21 22:42	1
13C-PCB-77	IS	54.0	40-145		16-Feb-21 22:42	1
13C-PCB-80	IS	59.2	40-145		16-Feb-21 22:42	1
13C-PCB-81	IS	53.8	40-145		16-Feb-21 22:42	1
13C-PCB-95	IS	62.3	40-145		16-Feb-21 22:42	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	B1B0079-BS1	Date Extracted:	09-Feb-21 12:32
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Column:	ZB-1
Matrix:	Solid	Sample Size:	3.00 g		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-97	IS	58.6	40-145		16-Feb-21 22:42	1
13C-PCB-101	IS	58.5	40-145		16-Feb-21 22:42	1
13C-PCB-104	IS	63.2	40-145		16-Feb-21 22:42	1
13C-PCB-105	IS	57.7	40-145		16-Feb-21 22:42	1
13C-PCB-114	IS	60.2	40-145		16-Feb-21 22:42	1
13C-PCB-118	IS	55.9	40-145		16-Feb-21 22:42	1
13C-PCB-123	IS	55.5	40-145		16-Feb-21 22:42	1
13C-PCB-126	IS	49.9	40-145		16-Feb-21 22:42	1
13C-PCB-127	IS	59.2	40-145		16-Feb-21 22:42	1
13C-PCB-138	IS	59.3	40-145		16-Feb-21 22:42	1
13C-PCB-141	IS	61.2	40-145		16-Feb-21 22:42	1
13C-PCB-153	IS	62.5	40-145		16-Feb-21 22:42	1
13C-PCB-155	IS	73.8	40-145		16-Feb-21 22:42	1
13C-PCB-156	IS	56.4	40-145		16-Feb-21 22:42	1
13C-PCB-157	IS	57.4	40-145		16-Feb-21 22:42	1
13C-PCB-159	IS	58.1	40-145		16-Feb-21 22:42	1
13C-PCB-167	IS	55.7	40-145		16-Feb-21 22:42	1
13C-PCB-169	IS	57.5	40-145		16-Feb-21 22:42	1
13C-PCB-170	IS	56.0	40-145		16-Feb-21 22:42	1
13C-PCB-180	IS	58.5	40-145		16-Feb-21 22:42	1
13C-PCB-188	IS	64.5	40-145		16-Feb-21 22:42	1
13C-PCB-189	IS	51.9	40-145		16-Feb-21 22:42	1
13C-PCB-194	IS	54.6	40-145		16-Feb-21 22:42	1
13C-PCB-202	IS	67.8	40-145		16-Feb-21 22:42	1
13C-PCB-206	IS	57.6	40-145		16-Feb-21 22:42	1
13C-PCB-208	IS	58.4	40-145		16-Feb-21 22:42	1
13C-PCB-209	IS	65.7	40-145		16-Feb-21 22:42	1
13C-PCB-79	CRS	86.6	40-145		16-Feb-21 22:42	1
13C-PCB-178	CRS	94.8	40-145		16-Feb-21 22:42	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-01	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.52 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:40				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-1	ND	0.410			18-Feb-21 14:11	1
PCB-2	ND	0.419			18-Feb-21 14:11	1
PCB-3	ND		0.834		18-Feb-21 14:11	1
PCB-4/10	ND	2.60			18-Feb-21 14:11	1
PCB-5/8	ND	1.99			18-Feb-21 14:11	1
PCB-6	ND	1.94			18-Feb-21 14:11	1
PCB-7/9	ND	2.06			18-Feb-21 14:11	1
PCB-11	ND		20.0		18-Feb-21 14:11	1
PCB-12/13	ND	1.98			18-Feb-21 14:11	1
PCB-14	ND	1.97			18-Feb-21 14:11	1
PCB-15	ND	1.98			18-Feb-21 14:11	1
PCB-16/32	6.66			J	18-Feb-21 14:11	1
PCB-17	ND		4.70		18-Feb-21 14:11	1
PCB-18	9.85				18-Feb-21 14:11	1
PCB-19	ND	0.946			18-Feb-21 14:11	1
PCB-20/21/33	5.71			J	18-Feb-21 14:11	1
PCB-22	ND		3.56		18-Feb-21 14:11	1
PCB-23	ND	0.613			18-Feb-21 14:11	1
PCB-24/27	ND	0.656			18-Feb-21 14:11	1
PCB-25	ND		1.53		18-Feb-21 14:11	1
PCB-26	ND		1.83		18-Feb-21 14:11	1
PCB-28	9.28				18-Feb-21 14:11	1
PCB-29	ND	0.635			18-Feb-21 14:11	1
PCB-30	ND	0.597			18-Feb-21 14:11	1
PCB-31	ND		9.30		18-Feb-21 14:11	1
PCB-34	ND	0.623			18-Feb-21 14:11	1
PCB-35	ND		1.01		18-Feb-21 14:11	1
PCB-36	ND	0.603			18-Feb-21 14:11	1
PCB-37	ND		3.02		18-Feb-21 14:11	1
PCB-38	ND		2.30		18-Feb-21 14:11	1
PCB-39	ND	0.642			18-Feb-21 14:11	1
PCB-40	ND	1.27			18-Feb-21 14:11	1
PCB-41/64/71/72	9.70			J	18-Feb-21 14:11	1
PCB-42/59	ND		2.88		18-Feb-21 14:11	1
PCB-43/49	ND		8.93		18-Feb-21 14:11	1
PCB-44	ND		14.6		18-Feb-21 14:11	1
PCB-45	ND		1.33		18-Feb-21 14:11	1
PCB-46	ND	0.985			18-Feb-21 14:11	1
PCB-47	95.5				18-Feb-21 14:11	1
PCB-48/75	1.34			J	18-Feb-21 14:11	1
PCB-50	ND	0.799			18-Feb-21 14:11	1
PCB-51	14.1				18-Feb-21 14:11	1
PCB-52/69	28.0				18-Feb-21 14:11	1
PCB-53	ND		2.03		18-Feb-21 14:11	1
PCB-54	ND	0.658			18-Feb-21 14:11	1
PCB-55	ND	0.566			18-Feb-21 14:11	1
PCB-56/60	6.84			J	18-Feb-21 14:11	1
PCB-57	ND	0.583			18-Feb-21 14:11	1
PCB-58	ND	0.581			18-Feb-21 14:11	1
PCB-61/70	24.4				18-Feb-21 14:11	1
PCB-62	ND	0.698			18-Feb-21 14:11	1
PCB-63	ND	0.647			18-Feb-21 14:11	1
PCB-65	ND	0.625			18-Feb-21 14:11	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-01	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.52 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:40				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-66/76	9.46			J	18-Feb-21 14:11	1
PCB-67	ND	0.618			18-Feb-21 14:11	1
PCB-68	ND		5.18		18-Feb-21 14:11	1
PCB-73	ND	0.581			18-Feb-21 14:11	1
PCB-74	4.81			J	18-Feb-21 14:11	1
PCB-77	2.81			J	18-Feb-21 14:11	1
PCB-78	ND	0.603			18-Feb-21 14:11	1
PCB-79	ND	0.569			18-Feb-21 14:11	1
PCB-80	ND	0.559			18-Feb-21 14:11	1
PCB-81	ND	0.645			18-Feb-21 14:11	1
PCB-82	ND		3.78		18-Feb-21 14:11	1
PCB-83	ND	0.408			18-Feb-21 14:11	1
PCB-84/92	ND		19.9		18-Feb-21 14:11	1
PCB-85/116	9.02			J	18-Feb-21 14:11	1
PCB-86	ND	0.600			18-Feb-21 14:11	1
PCB-87/117/125	20.3			J	18-Feb-21 14:11	1
PCB-88/91	ND		6.14		18-Feb-21 14:11	1
PCB-89	ND	0.604			18-Feb-21 14:11	1
PCB-90/101	60.8				18-Feb-21 14:11	1
PCB-93	ND	0.789			18-Feb-21 14:11	1
PCB-94	ND	0.723			18-Feb-21 14:11	1
PCB-95/98/102	ND		31.1		18-Feb-21 14:11	1
PCB-96	ND	0.472			18-Feb-21 14:11	1
PCB-97	ND		12.6		18-Feb-21 14:11	1
PCB-99	ND		18.5		18-Feb-21 14:11	1
PCB-100	ND	0.576			18-Feb-21 14:11	1
PCB-103	ND	0.602			18-Feb-21 14:11	1
PCB-104	ND	0.472			18-Feb-21 14:11	1
PCB-105	22.5				18-Feb-21 14:11	1
PCB-106/118	43.0				18-Feb-21 14:11	1
PCB-107/109	ND		2.67		18-Feb-21 14:11	1
PCB-108/112	3.06			J	18-Feb-21 14:11	1
PCB-110	59.6				18-Feb-21 14:11	1
PCB-111/115	ND	0.393			18-Feb-21 14:11	1
PCB-113	ND	0.425			18-Feb-21 14:11	1
PCB-114	ND	0.519			18-Feb-21 14:11	1
PCB-119	ND	0.415			18-Feb-21 14:11	1
PCB-120	ND	0.354			18-Feb-21 14:11	1
PCB-121	ND	0.410			18-Feb-21 14:11	1
PCB-122	ND	0.605			18-Feb-21 14:11	1
PCB-123	ND	0.428			18-Feb-21 14:11	1
PCB-124	2.40			J	18-Feb-21 14:11	1
PCB-126	ND	0.517			18-Feb-21 14:11	1
PCB-127	ND	0.475			18-Feb-21 14:11	1
PCB-128/162	9.88			J	18-Feb-21 14:11	1
PCB-129	ND		2.13		18-Feb-21 14:11	1
PCB-130	4.47			J	18-Feb-21 14:11	1
PCB-131/133	ND		1.05		18-Feb-21 14:11	1
PCB-132/161	ND		11.4		18-Feb-21 14:11	1
PCB-134/143	ND		2.50		18-Feb-21 14:11	1
PCB-135	ND		5.56		18-Feb-21 14:11	1
PCB-136	ND		6.21		18-Feb-21 14:11	1
PCB-137	ND		2.75		18-Feb-21 14:11	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-01	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.52 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:40				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-138/163/164	55.5				18-Feb-21 14:11	1
PCB-139/149	39.8				18-Feb-21 14:11	1
PCB-140	ND	0.327			18-Feb-21 14:11	1
PCB-141	9.60				18-Feb-21 14:11	1
PCB-142	ND	0.771			18-Feb-21 14:11	1
PCB-144	1.92			J	18-Feb-21 14:11	1
PCB-145	ND	0.217			18-Feb-21 14:11	1
PCB-146/165	ND		6.32		18-Feb-21 14:11	1
PCB-147	ND	0.299			18-Feb-21 14:11	1
PCB-148	ND	0.320			18-Feb-21 14:11	1
PCB-150	ND	0.228			18-Feb-21 14:11	1
PCB-151	ND		9.02		18-Feb-21 14:11	1
PCB-152	ND	0.209			18-Feb-21 14:11	1
PCB-153	45.0				18-Feb-21 14:11	1
PCB-154	ND	0.296			18-Feb-21 14:11	1
PCB-155	ND	0.250			18-Feb-21 14:11	1
PCB-156	ND		4.90		18-Feb-21 14:11	1
PCB-157	ND		1.62		18-Feb-21 14:11	1
PCB-158/160	6.97			J	18-Feb-21 14:11	1
PCB-159	ND	0.472			18-Feb-21 14:11	1
PCB-166	ND	0.502			18-Feb-21 14:11	1
PCB-167	2.90			J	18-Feb-21 14:11	1
PCB-168	ND	0.512			18-Feb-21 14:11	1
PCB-169	ND	0.562			18-Feb-21 14:11	1
PCB-170	11.1				18-Feb-21 14:11	1
PCB-171	3.34			J	18-Feb-21 14:11	1
PCB-172	2.01			J	18-Feb-21 14:11	1
PCB-173	ND	0.946			18-Feb-21 14:11	1
PCB-174	12.8				18-Feb-21 14:11	1
PCB-175	ND	0.753			18-Feb-21 14:11	1
PCB-176	ND		1.20		18-Feb-21 14:11	1
PCB-177	ND		5.67		18-Feb-21 14:11	1
PCB-178	2.16			J	18-Feb-21 14:11	1
PCB-179	5.19			J	18-Feb-21 14:11	1
PCB-180	25.2				18-Feb-21 14:11	1
PCB-181	ND	0.760			18-Feb-21 14:11	1
PCB-182/187	ND		15.1		18-Feb-21 14:11	1
PCB-183	ND		5.44		18-Feb-21 14:11	1
PCB-184	ND	0.564			18-Feb-21 14:11	1
PCB-185	ND		0.750		18-Feb-21 14:11	1
PCB-186	ND	0.522			18-Feb-21 14:11	1
PCB-188	ND	0.559			18-Feb-21 14:11	1
PCB-189	ND	0.586			18-Feb-21 14:11	1
PCB-190	3.16			J	18-Feb-21 14:11	1
PCB-191	ND	0.671			18-Feb-21 14:11	1
PCB-192	ND	0.626			18-Feb-21 14:11	1
PCB-193	ND		1.27		18-Feb-21 14:11	1
PCB-194	6.45			J	18-Feb-21 14:11	1
PCB-195	ND	1.27			18-Feb-21 14:11	1
PCB-196/203	8.60			J	18-Feb-21 14:11	1
PCB-197	ND	0.413			18-Feb-21 14:11	1
PCB-198	ND	0.572			18-Feb-21 14:11	1
PCB-199	11.4				18-Feb-21 14:11	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-01	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.52 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:40				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-200	1.26			J	18-Feb-21 14:11	1
PCB-201	0.981			J	18-Feb-21 14:11	1
PCB-202	2.28			J	18-Feb-21 14:11	1
PCB-204	ND	0.417			18-Feb-21 14:11	1
PCB-205	ND	0.961			18-Feb-21 14:11	1
PCB-206	ND		5.50		18-Feb-21 14:11	1
PCB-207	1.17			J	18-Feb-21 14:11	1
PCB-208	ND		2.28		18-Feb-21 14:11	1
PCB-209	7.54				18-Feb-21 14:11	1

Toxic Equivalent	
TEQRiskWHO2005PCB	0.0368

Totals	
Total monoCB	ND
Total diCB	ND
Total triCB	31.5
Total tetraCB	197
Total pentaCB	221
Total hexaCB	176
Total heptaCB	65.0
Total octaCB	31.0
Total nonaCB	1.17
DecaCB	7.54
Total PCB	730

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-1	IS	69.0	5 - 145		18-Feb-21 14:11	1
13C-PCB-3	IS	69.9	5 - 145		18-Feb-21 14:11	1
13C-PCB-4	IS	65.0	5 - 145		18-Feb-21 14:11	1
13C-PCB-11	IS	71.6	5 - 145		18-Feb-21 14:11	1
13C-PCB-9	IS	69.1	5 - 145		18-Feb-21 14:11	1
13C-PCB-19	IS	85.0	5 - 145		18-Feb-21 14:11	1
13C-PCB-28	IS	71.4	5 - 145		18-Feb-21 14:11	1
13C-PCB-32	IS	88.6	5 - 145		18-Feb-21 14:11	1
13C-PCB-37	IS	71.1	5 - 145		18-Feb-21 14:11	1
13C-PCB-47	IS	71.0	5 - 145		18-Feb-21 14:11	1
13C-PCB-52	IS	71.2	5 - 145		18-Feb-21 14:11	1
13C-PCB-54	IS	66.1	5 - 145		18-Feb-21 14:11	1
13C-PCB-70	IS	72.0	5 - 145		18-Feb-21 14:11	1
13C-PCB-77	IS	78.2	10 - 145		18-Feb-21 14:11	1
13C-PCB-80	IS	74.0	10 - 145		18-Feb-21 14:11	1
13C-PCB-81	IS	77.7	10 - 145		18-Feb-21 14:11	1
13C-PCB-95	IS	68.1	10 - 145		18-Feb-21 14:11	1
13C-PCB-97	IS	74.6	10 - 145		18-Feb-21 14:11	1
13C-PCB-101	IS	72.6	10 - 145		18-Feb-21 14:11	1
13C-PCB-104	IS	69.3	10 - 145		18-Feb-21 14:11	1
13C-PCB-105	IS	67.3	10 - 145		18-Feb-21 14:11	1
13C-PCB-114	IS	69.2	10 - 145		18-Feb-21 14:11	1
13C-PCB-118	IS	78.5	10 - 145		18-Feb-21 14:11	1
13C-PCB-123	IS	81.7	10 - 145		18-Feb-21 14:11	1
13C-PCB-126	IS	64.1	10 - 145		18-Feb-21 14:11	1
13C-PCB-127	IS	69.8	10 - 145		18-Feb-21 14:11	1

Client Data

Name: Landau Associates
 Project: Baywood / 147053.010.017
 Matrix: Soil
 Date Collected: 05-Feb-21 12:40

Laboratory Data

Lab Sample: 2102106-01 Date Received: 06-Feb-21 10:16
 QC Batch: B1B0079 Date Extracted: 09-Feb-21
 Sample Size: 3.52 g Column: ZB-1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-138	IS	79.2	10 - 145		18-Feb-21 14:11	1
13C-PCB-141	IS	78.2	10 - 145		18-Feb-21 14:11	1
13C-PCB-153	IS	78.1	10 - 145		18-Feb-21 14:11	1
13C-PCB-155	IS	88.8	10 - 145		18-Feb-21 14:11	1
13C-PCB-156	IS	82.8	10 - 145		18-Feb-21 14:11	1
13C-PCB-157	IS	82.7	10 - 145		18-Feb-21 14:11	1
13C-PCB-159	IS	80.1	10 - 145		18-Feb-21 14:11	1
13C-PCB-167	IS	81.7	10 - 145		18-Feb-21 14:11	1
13C-PCB-169	IS	83.5	10 - 145		18-Feb-21 14:11	1
13C-PCB-170	IS	82.2	10 - 145		18-Feb-21 14:11	1
13C-PCB-180	IS	82.7	10 - 145		18-Feb-21 14:11	1
13C-PCB-188	IS	79.3	10 - 145		18-Feb-21 14:11	1
13C-PCB-189	IS	86.8	10 - 145		18-Feb-21 14:11	1
13C-PCB-194	IS	82.2	10 - 145		18-Feb-21 14:11	1
13C-PCB-202	IS	93.5	10 - 145		18-Feb-21 14:11	1
13C-PCB-206	IS	85.5	10 - 145		18-Feb-21 14:11	1
13C-PCB-208	IS	89.1	10 - 145		18-Feb-21 14:11	1
13C-PCB-209	IS	99.0	10 - 145		18-Feb-21 14:11	1
13C-PCB-79	CRS	84.7	10 - 145		18-Feb-21 14:11	1
13C-PCB-178	CRS	94.9	10 - 145		18-Feb-21 14:11	1

EDL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

The results are reported in wet weight.

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-02	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.47 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:45				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-1	ND		1.26		18-Feb-21 15:12	1
PCB-2	ND		1.16		18-Feb-21 15:12	1
PCB-3	ND		1.77		18-Feb-21 15:12	1
PCB-4/10	ND	2.02			18-Feb-21 15:12	1
PCB-5/8	ND	1.52			18-Feb-21 15:12	1
PCB-6	ND	1.49			18-Feb-21 15:12	1
PCB-7/9	ND	1.58			18-Feb-21 15:12	1
PCB-11	ND		46.8		18-Feb-21 15:12	1
PCB-12/13	ND	1.56			18-Feb-21 15:12	1
PCB-14	ND	1.55			18-Feb-21 15:12	1
PCB-15	ND	1.56			18-Feb-21 15:12	1
PCB-16/32	7.01			J	18-Feb-21 15:12	1
PCB-17	13.6				18-Feb-21 15:12	1
PCB-18	8.16				18-Feb-21 15:12	1
PCB-19	ND	0.642			18-Feb-21 15:12	1
PCB-20/21/33	ND		4.79		18-Feb-21 15:12	1
PCB-22	9.24				18-Feb-21 15:12	1
PCB-23	ND	0.494			18-Feb-21 15:12	1
PCB-24/27	ND		1.92		18-Feb-21 15:12	1
PCB-25	ND		8.55		18-Feb-21 15:12	1
PCB-26	ND		1.52		18-Feb-21 15:12	1
PCB-28	15.2				18-Feb-21 15:12	1
PCB-29	ND	0.512			18-Feb-21 15:12	1
PCB-30	ND	0.405			18-Feb-21 15:12	1
PCB-31	7.57				18-Feb-21 15:12	1
PCB-34	ND	0.502			18-Feb-21 15:12	1
PCB-35	ND	0.460			18-Feb-21 15:12	1
PCB-36	ND	0.450			18-Feb-21 15:12	1
PCB-37	3.60			J	18-Feb-21 15:12	1
PCB-38	18.5				18-Feb-21 15:12	1
PCB-39	ND	0.479			18-Feb-21 15:12	1
PCB-40	ND	0.929			18-Feb-21 15:12	1
PCB-41/64/71/72	ND		6.33		18-Feb-21 15:12	1
PCB-42/59	ND		2.50		18-Feb-21 15:12	1
PCB-43/49	19.1				18-Feb-21 15:12	1
PCB-44	11.9				18-Feb-21 15:12	1
PCB-45	ND		1.41		18-Feb-21 15:12	1
PCB-46	ND	0.724			18-Feb-21 15:12	1
PCB-47	823				18-Feb-21 15:12	1
PCB-48/75	ND	0.512			18-Feb-21 15:12	1
PCB-50	ND	0.565			18-Feb-21 15:12	1
PCB-51	119				18-Feb-21 15:12	1
PCB-52/69	20.0				18-Feb-21 15:12	1
PCB-53	ND		0.863		18-Feb-21 15:12	1
PCB-54	ND	0.465			18-Feb-21 15:12	1
PCB-55	ND	0.406			18-Feb-21 15:12	1
PCB-56/60	6.51			J	18-Feb-21 15:12	1
PCB-57	ND	0.418			18-Feb-21 15:12	1
PCB-58	ND	0.416			18-Feb-21 15:12	1
PCB-61/70	ND		19.7		18-Feb-21 15:12	1
PCB-62	ND	0.513			18-Feb-21 15:12	1
PCB-63	ND	0.464			18-Feb-21 15:12	1
PCB-65	ND	0.459			18-Feb-21 15:12	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-02	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.47 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:45				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-66/76	8.70			J	18-Feb-21 15:12	1
PCB-67	ND	0.443			18-Feb-21 15:12	1
PCB-68	46.5				18-Feb-21 15:12	1
PCB-73	ND	0.427			18-Feb-21 15:12	1
PCB-74	ND		4.71		18-Feb-21 15:12	1
PCB-77	ND		1.45		18-Feb-21 15:12	1
PCB-78	ND	0.437			18-Feb-21 15:12	1
PCB-79	ND	0.408			18-Feb-21 15:12	1
PCB-80	ND	0.401			18-Feb-21 15:12	1
PCB-81	ND	0.468			18-Feb-21 15:12	1
PCB-82	4.24			J	18-Feb-21 15:12	1
PCB-83	ND	0.282			18-Feb-21 15:12	1
PCB-84/92	17.4				18-Feb-21 15:12	1
PCB-85/116	7.60			J	18-Feb-21 15:12	1
PCB-86	ND	0.414			18-Feb-21 15:12	1
PCB-87/117/125	17.7			J	18-Feb-21 15:12	1
PCB-88/91	ND		6.03		18-Feb-21 15:12	1
PCB-89	ND	0.422			18-Feb-21 15:12	1
PCB-90/101	49.5				18-Feb-21 15:12	1
PCB-93	ND	0.536			18-Feb-21 15:12	1
PCB-94	ND	0.491			18-Feb-21 15:12	1
PCB-95/98/102	30.5				18-Feb-21 15:12	1
PCB-96	ND	0.326			18-Feb-21 15:12	1
PCB-97	ND		10.5		18-Feb-21 15:12	1
PCB-99	18.9				18-Feb-21 15:12	1
PCB-100	ND	0.398			18-Feb-21 15:12	1
PCB-103	ND	0.416			18-Feb-21 15:12	1
PCB-104	ND	0.326			18-Feb-21 15:12	1
PCB-105	ND		17.0		18-Feb-21 15:12	1
PCB-106/118	42.4				18-Feb-21 15:12	1
PCB-107/109	ND		2.74		18-Feb-21 15:12	1
PCB-108/112	2.19			J	18-Feb-21 15:12	1
PCB-110	47.7				18-Feb-21 15:12	1
PCB-111/115	ND		0.580		18-Feb-21 15:12	1
PCB-113	ND	0.297			18-Feb-21 15:12	1
PCB-114	ND	0.483			18-Feb-21 15:12	1
PCB-119	ND	0.287			18-Feb-21 15:12	1
PCB-120	ND	0.245			18-Feb-21 15:12	1
PCB-121	ND	0.279			18-Feb-21 15:12	1
PCB-122	ND	0.563			18-Feb-21 15:12	1
PCB-123	ND	0.288			18-Feb-21 15:12	1
PCB-124	1.97			J	18-Feb-21 15:12	1
PCB-126	ND	0.491			18-Feb-21 15:12	1
PCB-127	ND	0.475			18-Feb-21 15:12	1
PCB-128/162	9.16			J	18-Feb-21 15:12	1
PCB-129	2.72			J	18-Feb-21 15:12	1
PCB-130	ND		3.20		18-Feb-21 15:12	1
PCB-131/133	ND		1.29		18-Feb-21 15:12	1
PCB-132/161	11.4			J	18-Feb-21 15:12	1
PCB-134/143	2.47			J	18-Feb-21 15:12	1
PCB-135	4.34			J	18-Feb-21 15:12	1
PCB-136	5.89			J	18-Feb-21 15:12	1
PCB-137	3.36			J	18-Feb-21 15:12	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-02	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.47 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:45				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-138/163/164	50.2				18-Feb-21 15:12	1
PCB-139/149	31.6				18-Feb-21 15:12	1
PCB-140	ND	0.301			18-Feb-21 15:12	1
PCB-141	9.16				18-Feb-21 15:12	1
PCB-142	ND	0.712			18-Feb-21 15:12	1
PCB-144	ND		2.13		18-Feb-21 15:12	1
PCB-145	ND	0.199			18-Feb-21 15:12	1
PCB-146/165	7.01			J	18-Feb-21 15:12	1
PCB-147	ND	0.275			18-Feb-21 15:12	1
PCB-148	ND	0.294			18-Feb-21 15:12	1
PCB-150	ND	0.210			18-Feb-21 15:12	1
PCB-151	9.62				18-Feb-21 15:12	1
PCB-152	ND	0.193			18-Feb-21 15:12	1
PCB-153	40.7				18-Feb-21 15:12	1
PCB-154	ND	0.272			18-Feb-21 15:12	1
PCB-155	ND	0.230			18-Feb-21 15:12	1
PCB-156	ND		4.15		18-Feb-21 15:12	1
PCB-157	ND		1.37		18-Feb-21 15:12	1
PCB-158/160	5.38			J	18-Feb-21 15:12	1
PCB-159	ND	0.418			18-Feb-21 15:12	1
PCB-166	ND	0.444			18-Feb-21 15:12	1
PCB-167	ND		1.77		18-Feb-21 15:12	1
PCB-168	ND	0.472			18-Feb-21 15:12	1
PCB-169	ND	0.464			18-Feb-21 15:12	1
PCB-170	ND		7.54		18-Feb-21 15:12	1
PCB-171	ND		2.83		18-Feb-21 15:12	1
PCB-172	ND		1.11		18-Feb-21 15:12	1
PCB-173	ND	0.430			18-Feb-21 15:12	1
PCB-174	9.45				18-Feb-21 15:12	1
PCB-175	ND	0.357			18-Feb-21 15:12	1
PCB-176	ND		0.997		18-Feb-21 15:12	1
PCB-177	ND		3.67		18-Feb-21 15:12	1
PCB-178	ND		1.02		18-Feb-21 15:12	1
PCB-179	ND		3.91		18-Feb-21 15:12	1
PCB-180	21.6				18-Feb-21 15:12	1
PCB-181	ND	0.345			18-Feb-21 15:12	1
PCB-182/187	13.7			J	18-Feb-21 15:12	1
PCB-183	4.71			J	18-Feb-21 15:12	1
PCB-184	ND	0.267			18-Feb-21 15:12	1
PCB-185	ND		0.951		18-Feb-21 15:12	1
PCB-186	ND	0.247			18-Feb-21 15:12	1
PCB-188	ND	0.264			18-Feb-21 15:12	1
PCB-189	ND	0.301			18-Feb-21 15:12	1
PCB-190	2.29			J	18-Feb-21 15:12	1
PCB-191	ND	0.305			18-Feb-21 15:12	1
PCB-192	ND	0.284			18-Feb-21 15:12	1
PCB-193	ND		1.02		18-Feb-21 15:12	1
PCB-194	ND		5.48		18-Feb-21 15:12	1
PCB-195	ND		2.00		18-Feb-21 15:12	1
PCB-196/203	7.73			J	18-Feb-21 15:12	1
PCB-197	ND	0.403			18-Feb-21 15:12	1
PCB-198	ND	0.558			18-Feb-21 15:12	1
PCB-199	ND		7.11		18-Feb-21 15:12	1

Sample ID: WM-2-020521

EPA Method 1668C

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-02	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.47 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:45				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-200	ND		0.984		18-Feb-21 15:12	1
PCB-201	ND		1.27		18-Feb-21 15:12	1
PCB-202	1.59			J	18-Feb-21 15:12	1
PCB-204	ND	0.407			18-Feb-21 15:12	1
PCB-205	ND	0.762			18-Feb-21 15:12	1
PCB-206	ND		5.24		18-Feb-21 15:12	1
PCB-207	ND	0.338			18-Feb-21 15:12	1
PCB-208	ND		1.69		18-Feb-21 15:12	1
PCB-209	5.23			J	18-Feb-21 15:12	1

Toxic Equivalent	
TEQRiskWHO2005PCB	0.0333

Totals	
Total monoCB	ND
Total diCB	ND
Total triCB	82.8
Total tetraCB	1060
Total pentaCB	240
Total hexaCB	193
Total heptaCB	51.7
Total octaCB	9.32
Total nonaCB	ND
DecaCB	5.23
Total PCB	1640

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-1	IS	82.7	5 - 145		18-Feb-21 15:12	1
13C-PCB-3	IS	84.0	5 - 145		18-Feb-21 15:12	1
13C-PCB-4	IS	78.6	5 - 145		18-Feb-21 15:12	1
13C-PCB-11	IS	85.6	5 - 145		18-Feb-21 15:12	1
13C-PCB-9	IS	84.2	5 - 145		18-Feb-21 15:12	1
13C-PCB-19	IS	102	5 - 145		18-Feb-21 15:12	1
13C-PCB-28	IS	82.7	5 - 145		18-Feb-21 15:12	1
13C-PCB-32	IS	105	5 - 145		18-Feb-21 15:12	1
13C-PCB-37	IS	86.3	5 - 145		18-Feb-21 15:12	1
13C-PCB-47	IS	81.6	5 - 145		18-Feb-21 15:12	1
13C-PCB-52	IS	82.0	5 - 145		18-Feb-21 15:12	1
13C-PCB-54	IS	78.9	5 - 145		18-Feb-21 15:12	1
13C-PCB-70	IS	84.0	5 - 145		18-Feb-21 15:12	1
13C-PCB-77	IS	90.3	10 - 145		18-Feb-21 15:12	1
13C-PCB-80	IS	85.3	10 - 145		18-Feb-21 15:12	1
13C-PCB-81	IS	88.7	10 - 145		18-Feb-21 15:12	1
13C-PCB-95	IS	81.4	10 - 145		18-Feb-21 15:12	1
13C-PCB-97	IS	86.9	10 - 145		18-Feb-21 15:12	1
13C-PCB-101	IS	84.8	10 - 145		18-Feb-21 15:12	1
13C-PCB-104	IS	82.1	10 - 145		18-Feb-21 15:12	1
13C-PCB-105	IS	78.0	10 - 145		18-Feb-21 15:12	1
13C-PCB-114	IS	81.2	10 - 145		18-Feb-21 15:12	1
13C-PCB-118	IS	89.7	10 - 145		18-Feb-21 15:12	1
13C-PCB-123	IS	98.9	10 - 145		18-Feb-21 15:12	1
13C-PCB-126	IS	74.7	10 - 145		18-Feb-21 15:12	1
13C-PCB-127	IS	80.3	10 - 145		18-Feb-21 15:12	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-02	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.47 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:45				

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-138	IS	88.7	10 - 145		18-Feb-21 15:12	1
13C-PCB-141	IS	86.7	10 - 145		18-Feb-21 15:12	1
13C-PCB-153	IS	86.3	10 - 145		18-Feb-21 15:12	1
13C-PCB-155	IS	101	10 - 145		18-Feb-21 15:12	1
13C-PCB-156	IS	90.3	10 - 145		18-Feb-21 15:12	1
13C-PCB-157	IS	91.0	10 - 145		18-Feb-21 15:12	1
13C-PCB-159	IS	88.4	10 - 145		18-Feb-21 15:12	1
13C-PCB-167	IS	88.7	10 - 145		18-Feb-21 15:12	1
13C-PCB-169	IS	98.7	10 - 145		18-Feb-21 15:12	1
13C-PCB-170	IS	104	10 - 145		18-Feb-21 15:12	1
13C-PCB-180	IS	97.1	10 - 145		18-Feb-21 15:12	1
13C-PCB-188	IS	90.2	10 - 145		18-Feb-21 15:12	1
13C-PCB-189	IS	101	10 - 145		18-Feb-21 15:12	1
13C-PCB-194	IS	91.9	10 - 145		18-Feb-21 15:12	1
13C-PCB-202	IS	107	10 - 145		18-Feb-21 15:12	1
13C-PCB-206	IS	96.5	10 - 145		18-Feb-21 15:12	1
13C-PCB-208	IS	94.2	10 - 145		18-Feb-21 15:12	1
13C-PCB-209	IS	109	10 - 145		18-Feb-21 15:12	1
13C-PCB-79	CRS	88.9	10 - 145		18-Feb-21 15:12	1
13C-PCB-178	CRS	93.4	10 - 145		18-Feb-21 15:12	1

EDL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

The results are reported in wet weight.

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-03	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.31 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:50				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-1	ND	0.390			18-Feb-21 16:13	1
PCB-2	ND	0.396			18-Feb-21 16:13	1
PCB-3	ND	0.404			18-Feb-21 16:13	1
PCB-4/10	ND	2.04			18-Feb-21 16:13	1
PCB-5/8	ND	1.59			18-Feb-21 16:13	1
PCB-6	ND	1.56			18-Feb-21 16:13	1
PCB-7/9	ND	1.65			18-Feb-21 16:13	1
PCB-11	14.1				18-Feb-21 16:13	1
PCB-12/13	ND	1.65			18-Feb-21 16:13	1
PCB-14	ND	1.64			18-Feb-21 16:13	1
PCB-15	ND	1.65			18-Feb-21 16:13	1
PCB-16/32	4.40			J	18-Feb-21 16:13	1
PCB-17	ND		1.99		18-Feb-21 16:13	1
PCB-18	6.13			J	18-Feb-21 16:13	1
PCB-19	ND	0.739			18-Feb-21 16:13	1
PCB-20/21/33	4.77			J	18-Feb-21 16:13	1
PCB-22	3.67			J	18-Feb-21 16:13	1
PCB-23	ND	0.577			18-Feb-21 16:13	1
PCB-24/27	ND	0.535			18-Feb-21 16:13	1
PCB-25	ND	0.562			18-Feb-21 16:13	1
PCB-26	ND		0.877		18-Feb-21 16:13	1
PCB-28	8.32				18-Feb-21 16:13	1
PCB-29	ND	0.598			18-Feb-21 16:13	1
PCB-30	ND	0.467			18-Feb-21 16:13	1
PCB-31	ND		6.65		18-Feb-21 16:13	1
PCB-34	ND	0.586			18-Feb-21 16:13	1
PCB-35	ND	0.522			18-Feb-21 16:13	1
PCB-36	ND	0.512			18-Feb-21 16:13	1
PCB-37	3.88			J	18-Feb-21 16:13	1
PCB-38	ND	0.521			18-Feb-21 16:13	1
PCB-39	ND	0.545			18-Feb-21 16:13	1
PCB-40	2.27			J	18-Feb-21 16:13	1
PCB-41/64/71/72	8.30			J	18-Feb-21 16:13	1
PCB-42/59	3.04			J	18-Feb-21 16:13	1
PCB-43/49	9.48			J	18-Feb-21 16:13	1
PCB-44	15.0				18-Feb-21 16:13	1
PCB-45	ND		1.34		18-Feb-21 16:13	1
PCB-46	ND	0.755			18-Feb-21 16:13	1
PCB-47	4.90			J	18-Feb-21 16:13	1
PCB-48/75	ND		1.73		18-Feb-21 16:13	1
PCB-50	ND	0.615			18-Feb-21 16:13	1
PCB-51	ND		0.673		18-Feb-21 16:13	1
PCB-52/69	24.4				18-Feb-21 16:13	1
PCB-53	1.55			J	18-Feb-21 16:13	1
PCB-54	ND	0.507			18-Feb-21 16:13	1
PCB-55	ND	0.392			18-Feb-21 16:13	1
PCB-56/60	8.46			J	18-Feb-21 16:13	1
PCB-57	ND	0.416			18-Feb-21 16:13	1
PCB-58	ND	0.414			18-Feb-21 16:13	1
PCB-61/70	24.2				18-Feb-21 16:13	1
PCB-62	ND	0.530			18-Feb-21 16:13	1
PCB-63	ND		0.635		18-Feb-21 16:13	1
PCB-65	ND	0.474			18-Feb-21 16:13	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-03	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.31 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:50				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-66/76	11.0			J	18-Feb-21 16:13	1
PCB-67	ND	0.440			18-Feb-21 16:13	1
PCB-68	ND	0.462			18-Feb-21 16:13	1
PCB-73	ND	0.445			18-Feb-21 16:13	1
PCB-74	ND		5.37		18-Feb-21 16:13	1
PCB-77	ND		2.38		18-Feb-21 16:13	1
PCB-78	ND	0.473			18-Feb-21 16:13	1
PCB-79	ND		0.865		18-Feb-21 16:13	1
PCB-80	ND	0.387			18-Feb-21 16:13	1
PCB-81	ND	0.506			18-Feb-21 16:13	1
PCB-82	6.06			J	18-Feb-21 16:13	1
PCB-83	ND	0.396			18-Feb-21 16:13	1
PCB-84/92	ND		19.0		18-Feb-21 16:13	1
PCB-85/116	10.4			J	18-Feb-21 16:13	1
PCB-86	ND	0.583			18-Feb-21 16:13	1
PCB-87/117/125	ND		19.9		18-Feb-21 16:13	1
PCB-88/91	6.57			J	18-Feb-21 16:13	1
PCB-89	ND	0.554			18-Feb-21 16:13	1
PCB-90/101	61.2				18-Feb-21 16:13	1
PCB-93	ND	0.678			18-Feb-21 16:13	1
PCB-94	ND	0.621			18-Feb-21 16:13	1
PCB-95/98/102	36.1				18-Feb-21 16:13	1
PCB-96	ND	0.418			18-Feb-21 16:13	1
PCB-97	15.8				18-Feb-21 16:13	1
PCB-99	23.0				18-Feb-21 16:13	1
PCB-100	ND	0.511			18-Feb-21 16:13	1
PCB-103	ND	0.534			18-Feb-21 16:13	1
PCB-104	ND	0.419			18-Feb-21 16:13	1
PCB-105	25.1				18-Feb-21 16:13	1
PCB-106/118	51.2				18-Feb-21 16:13	1
PCB-107/109	ND		2.95		18-Feb-21 16:13	1
PCB-108/112	2.84			J	18-Feb-21 16:13	1
PCB-110	61.2				18-Feb-21 16:13	1
PCB-111/115	1.02			J	18-Feb-21 16:13	1
PCB-113	ND	0.389			18-Feb-21 16:13	1
PCB-114	ND		1.29		18-Feb-21 16:13	1
PCB-119	ND		0.814		18-Feb-21 16:13	1
PCB-120	ND	0.344			18-Feb-21 16:13	1
PCB-121	ND	0.352			18-Feb-21 16:13	1
PCB-122	ND	0.645			18-Feb-21 16:13	1
PCB-123	ND	0.436			18-Feb-21 16:13	1
PCB-124	ND		3.17		18-Feb-21 16:13	1
PCB-126	ND	0.560			18-Feb-21 16:13	1
PCB-127	ND	0.547			18-Feb-21 16:13	1
PCB-128/162	11.6			J	18-Feb-21 16:13	1
PCB-129	ND		2.58		18-Feb-21 16:13	1
PCB-130	5.32			J	18-Feb-21 16:13	1
PCB-131/133	1.98			J	18-Feb-21 16:13	1
PCB-132/161	14.1			J	18-Feb-21 16:13	1
PCB-134/143	2.72			J	18-Feb-21 16:13	1
PCB-135	6.03			J	18-Feb-21 16:13	1
PCB-136	6.34			J	18-Feb-21 16:13	1
PCB-137	ND		3.16		18-Feb-21 16:13	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-03	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.31 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:50				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-138/163/164	63.1				18-Feb-21 16:13	1
PCB-139/149	42.5				18-Feb-21 16:13	1
PCB-140	ND	0.264			18-Feb-21 16:13	1
PCB-141	11.4				18-Feb-21 16:13	1
PCB-142	ND	0.637			18-Feb-21 16:13	1
PCB-144	ND		1.59		18-Feb-21 16:13	1
PCB-145	ND	0.176			18-Feb-21 16:13	1
PCB-146/165	ND		7.03		18-Feb-21 16:13	1
PCB-147	ND	0.242			18-Feb-21 16:13	1
PCB-148	ND	0.259			18-Feb-21 16:13	1
PCB-150	ND	0.185			18-Feb-21 16:13	1
PCB-151	9.06				18-Feb-21 16:13	1
PCB-152	ND	0.169			18-Feb-21 16:13	1
PCB-153	51.3				18-Feb-21 16:13	1
PCB-154	ND	0.239			18-Feb-21 16:13	1
PCB-155	ND	0.202			18-Feb-21 16:13	1
PCB-156	5.34			J	18-Feb-21 16:13	1
PCB-157	ND		2.02		18-Feb-21 16:13	1
PCB-158/160	ND		5.81		18-Feb-21 16:13	1
PCB-159	ND	0.405			18-Feb-21 16:13	1
PCB-166	ND	0.431			18-Feb-21 16:13	1
PCB-167	ND		2.41		18-Feb-21 16:13	1
PCB-168	ND	0.423			18-Feb-21 16:13	1
PCB-169	ND	0.385			18-Feb-21 16:13	1
PCB-170	10.1				18-Feb-21 16:13	1
PCB-171	ND		1.82		18-Feb-21 16:13	1
PCB-172	1.91			J	18-Feb-21 16:13	1
PCB-173	ND	0.557			18-Feb-21 16:13	1
PCB-174	14.7				18-Feb-21 16:13	1
PCB-175	ND	0.449			18-Feb-21 16:13	1
PCB-176	ND		1.29		18-Feb-21 16:13	1
PCB-177	ND		6.65		18-Feb-21 16:13	1
PCB-178	ND		2.46		18-Feb-21 16:13	1
PCB-179	ND		5.99		18-Feb-21 16:13	1
PCB-180	28.7				18-Feb-21 16:13	1
PCB-181	ND	0.447			18-Feb-21 16:13	1
PCB-182/187	17.6				18-Feb-21 16:13	1
PCB-183	ND		6.04		18-Feb-21 16:13	1
PCB-184	ND	0.336			18-Feb-21 16:13	1
PCB-185	ND		1.53		18-Feb-21 16:13	1
PCB-186	ND	0.311			18-Feb-21 16:13	1
PCB-188	ND	0.333			18-Feb-21 16:13	1
PCB-189	ND	0.337			18-Feb-21 16:13	1
PCB-190	1.61			J	18-Feb-21 16:13	1
PCB-191	ND	0.395			18-Feb-21 16:13	1
PCB-192	ND	0.368			18-Feb-21 16:13	1
PCB-193	ND		2.15		18-Feb-21 16:13	1
PCB-194	ND		7.08		18-Feb-21 16:13	1
PCB-195	2.72			J	18-Feb-21 16:13	1
PCB-196/203	15.2				18-Feb-21 16:13	1
PCB-197	ND	0.379			18-Feb-21 16:13	1
PCB-198	ND	0.525			18-Feb-21 16:13	1
PCB-199	14.6				18-Feb-21 16:13	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-03	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.31 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:50				

Analyte	Conc. (pg/g Wet W	EDL	EMPC	Qualifiers	Analyzed	Dilution
PCB-200	ND		1.18		18-Feb-21 16:13	1
PCB-201	ND		1.15		18-Feb-21 16:13	1
PCB-202	ND		4.00		18-Feb-21 16:13	1
PCB-204	ND	0.383			18-Feb-21 16:13	1
PCB-205	ND	0.370			18-Feb-21 16:13	1
PCB-206	ND		7.41		18-Feb-21 16:13	1
PCB-207	ND		0.747		18-Feb-21 16:13	1
PCB-208	ND		3.59		18-Feb-21 16:13	1
PCB-209	8.07				18-Feb-21 16:13	1

Toxic Equivalent	
TEQRiskWHO2005PCB	0.0365

Totals		
Total monoCB	ND	0.404
Total diCB	14.1	
Total triCB	31.2	40.7
Total tetraCB	113	126
Total pentaCB	301	348
Total hexaCB	231	255
Total heptaCB	74.6	102
Total octaCB	32.6	46.0
Total nonaCB	ND	11.7
DecaCB	8.07	
Total PCB	804	

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-1	IS	89.4	5 - 145		18-Feb-21 16:13	1
13C-PCB-3	IS	93.0	5 - 145		18-Feb-21 16:13	1
13C-PCB-4	IS	84.3	5 - 145		18-Feb-21 16:13	1
13C-PCB-11	IS	88.6	5 - 145		18-Feb-21 16:13	1
13C-PCB-9	IS	88.1	5 - 145		18-Feb-21 16:13	1
13C-PCB-19	IS	105	5 - 145		18-Feb-21 16:13	1
13C-PCB-28	IS	89.9	5 - 145		18-Feb-21 16:13	1
13C-PCB-32	IS	106	5 - 145		18-Feb-21 16:13	1
13C-PCB-37	IS	95.9	5 - 145		18-Feb-21 16:13	1
13C-PCB-47	IS	84.2	5 - 145		18-Feb-21 16:13	1
13C-PCB-52	IS	82.9	5 - 145		18-Feb-21 16:13	1
13C-PCB-54	IS	77.6	5 - 145		18-Feb-21 16:13	1
13C-PCB-70	IS	88.1	5 - 145		18-Feb-21 16:13	1
13C-PCB-77	IS	89.2	10 - 145		18-Feb-21 16:13	1
13C-PCB-80	IS	92.6	10 - 145		18-Feb-21 16:13	1
13C-PCB-81	IS	88.9	10 - 145		18-Feb-21 16:13	1
13C-PCB-95	IS	91.7	10 - 145		18-Feb-21 16:13	1
13C-PCB-97	IS	90.6	10 - 145		18-Feb-21 16:13	1
13C-PCB-101	IS	90.3	10 - 145		18-Feb-21 16:13	1
13C-PCB-104	IS	90.0	10 - 145		18-Feb-21 16:13	1
13C-PCB-105	IS	86.7	10 - 145		18-Feb-21 16:13	1
13C-PCB-114	IS	88.9	10 - 145		18-Feb-21 16:13	1
13C-PCB-118	IS	91.7	10 - 145		18-Feb-21 16:13	1
13C-PCB-123	IS	93.5	10 - 145		18-Feb-21 16:13	1
13C-PCB-126	IS	80.1	10 - 145		18-Feb-21 16:13	1
13C-PCB-127	IS	88.6	10 - 145		18-Feb-21 16:13	1

Client Data		Laboratory Data			
Name:	Landau Associates	Lab Sample:	2102106-03	Date Received:	06-Feb-21 10:16
Project:	Baywood / 147053.010.017	QC Batch:	B1B0079	Date Extracted:	09-Feb-21
Matrix:	Soil	Sample Size:	3.31 g	Column:	ZB-1
Date Collected:	05-Feb-21 12:50				

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-PCB-138	IS	94.7	10 - 145		18-Feb-21 16:13	1
13C-PCB-141	IS	93.1	10 - 145		18-Feb-21 16:13	1
13C-PCB-153	IS	93.9	10 - 145		18-Feb-21 16:13	1
13C-PCB-155	IS	111	10 - 145		18-Feb-21 16:13	1
13C-PCB-156	IS	97.4	10 - 145		18-Feb-21 16:13	1
13C-PCB-157	IS	98.0	10 - 145		18-Feb-21 16:13	1
13C-PCB-159	IS	93.6	10 - 145		18-Feb-21 16:13	1
13C-PCB-167	IS	93.5	10 - 145		18-Feb-21 16:13	1
13C-PCB-169	IS	113	10 - 145		18-Feb-21 16:13	1
13C-PCB-170	IS	118	10 - 145		18-Feb-21 16:13	1
13C-PCB-180	IS	103	10 - 145		18-Feb-21 16:13	1
13C-PCB-188	IS	96.8	10 - 145		18-Feb-21 16:13	1
13C-PCB-189	IS	116	10 - 145		18-Feb-21 16:13	1
13C-PCB-194	IS	94.1	10 - 145		18-Feb-21 16:13	1
13C-PCB-202	IS	114	10 - 145		18-Feb-21 16:13	1
13C-PCB-206	IS	95.1	10 - 145		18-Feb-21 16:13	1
13C-PCB-208	IS	96.2	10 - 145		18-Feb-21 16:13	1
13C-PCB-209	IS	102	10 - 145		18-Feb-21 16:13	1
13C-PCB-79	CRS	87.7	10 - 145		18-Feb-21 16:13	1
13C-PCB-178	CRS	100	10 - 145		18-Feb-21 16:13	1

EDL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

The results are reported in wet weight.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2102106 TAT 14

Samples Arrival:	Date/Time <u>02/06/21 1016</u>	Initials: <u>RB</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>NA</u>
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered
	<input type="checkbox"/> Other		
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Techni Ice
	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None	
Temp °C: <u>0.6</u> (uncorrected)	Probe used: Y <input checked="" type="checkbox"/> N		Thermometer ID: <u>IR4</u>
Temp °C: <u>0.6</u> (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>		
Airbill <u>—</u> Trk # <u>7834 4217 9536</u>	<input checked="" type="checkbox"/>		
Shipping Documentation Present?	<input checked="" type="checkbox"/>		
Shipping Container	<input type="checkbox"/> Vista	<input type="checkbox"/> Client	<input type="checkbox"/> Retain
	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>		
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>		
Holding Time Acceptable?	<input checked="" type="checkbox"/>		
Logged In:	Date/Time <u>02/6/21 1346</u>	Initials: <u>RB</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>F3</u>
COC Anomaly/Sample Acceptance Form completed?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2102106

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	Sample BaseMatrix	Sample Comments
2102106-01	A WM-1-020521		05-Feb-21 12:40	Amber Glass, 250mL	Solid	
2102106-02	A WM-2-020521		05-Feb-21 12:45	Amber Glass, 250mL	Solid	
2102106-03	A WM-3-020521		05-Feb-21 12:50	Amber Glass, 250mL	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA	Comments:
Sample Container Intact?	✓			
Sample Custody Seals Intact?			✓	
Adequate Sample Volume?	✓			
Container Type Appropriate for Analysis(es)	✓			
Preservation Documented: Na2S2O3 Trizma <u>None</u> Other		✓	✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓	

Verified by/Date: MJB 02/06/21

Compliance Monitoring Laboratory Analytical Reports



ALS Environmental - Everett
ATTN: Glen Perry
8620 Holly Drive, Suite 100
Everett WA 98208

Date Received: 11-DEC-20
Report Date: 22-JAN-21 15:47 (MT)
Version: FINAL

Client Phone: 425-356-2600

Certificate of Analysis

Lab Work Order #: L2539765
Project P.O. #: 32-EV20120054
Job Reference: EV20120054
C of C Numbers:
Legal Site Desc:

Claire Kocharakkal, B.Sc.
Account Manager

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ADDRESS: 1435 Norjohn Court, Unit 1, Burlington, ON, L7L 0E6 Canada | Phone: +1 905 331 3111 | Fax: +1 905 331 4567
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2539765-1 EV20120054-01							
Sampled By: Client on 08-DEC-20 @ 13:30							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	5.47		0.10	%	23-DEC-20	28-DEC-20	R5324804
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	<0.13	[U]	0.13	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDD	0.39	M,J,R	0.29	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDD	1.95	M,J	0.84	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDD	6.68	M	0.71	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDD	3.35	M	0.78	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDD	192		1.2	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDD	1900		1.4	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,7,8-TCDF	<0.19	M,U	0.19	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDF	0.23	J,R	0.21	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,7,8-PeCDF	0.80	M,J,R	0.18	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDF	1.74	[J]	0.37	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDF	1.05	M,J	0.37	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,6,7,8-HxCDF	3.01		0.36	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDF	<0.52	M,U	0.52	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDF	29.4		0.46	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8,9-HpCDF	2.08	[J]	0.67	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDF	74.4		0.49	pg/g	23-DEC-20	02-JAN-21	R5335905
Total-TCDD	0.59		0.13	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDD # Homologues	5				23-DEC-20	02-JAN-21	R5335905
Total-PeCDD	0.32		0.29	pg/g	23-DEC-20	02-JAN-21	R5335905
Total PeCDD # Homologues	1				23-DEC-20	02-JAN-21	R5335905
Total-HxCDD	33.2		0.84	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDD # Homologues	6				23-DEC-20	02-JAN-21	R5335905
Total-HpCDD	318		1.2	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDD # Homologues	2				23-DEC-20	02-JAN-21	R5335905
Total-TCDF	0.33		0.19	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDF # Homologues	4				23-DEC-20	02-JAN-21	R5335905
Total-PeCDF	9.17		0.21	pg/g	23-DEC-20	02-JAN-21	R5335905
Total PeCDF # Homologues	3				23-DEC-20	02-JAN-21	R5335905
Total-HxCDF	37.1		0.52	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDF # Homologues	8				23-DEC-20	02-JAN-21	R5335905
Total-HpCDF	81.2		0.67	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDF # Homologues	3				23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDD	82.0		25-164	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDD	57.0		25-181	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	64.0		32-141	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	82.0		28-130	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	86.0		23-140	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-OCDD	84.0		17-157	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDF	79.0		24-169	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDF	71.0		24-185	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,7,8-PeCDF	65.0		21-178	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	71.0		26-152	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	95.0		26-123	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	86.0		29-147	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	82.0		28-136	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	90.0		28-143	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	87.0		26-138	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	75.0		35-197	%	23-DEC-20	02-JAN-21	R5335905

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2539765-1 EV20120054-01 Sampled By: Client on 08-DEC-20 @ 13:30 Matrix: Soil							
Dioxins and Furans HR 1613B							
Lower Bound PCDD/F TEQ (WHO 2005)	4.61			pg/g	23-DEC-20	02-JAN-21	R5335905
Mid Point PCDD/F TEQ (WHO 2005)	5.34			pg/g	23-DEC-20	02-JAN-21	R5335905
Upper Bound PCDD/F TEQ (WHO 2005)	5.44			pg/g	23-DEC-20	02-JAN-21	R5335905
L2539765-2 EV20120054-02 Sampled By: Client on 08-DEC-20 @ 13:50 Matrix: Soil							
Miscellaneous Parameters							
% Moisture	9.32		0.10	%	23-DEC-20	28-DEC-20	R5324804
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	2.5	M,J	2.1	pg/g	14-JAN-21	22-JAN-21	R5356725
1,2,3,7,8-PeCDD	17.8	[J]	2.2	pg/g	14-JAN-21	22-JAN-21	R5356725
1,2,3,4,7,8-HxCDD	57.1	M,J	2.2	pg/g	14-JAN-21	22-JAN-21	R5356725
1,2,3,6,7,8-HxCDD	170	M	2.1	pg/g	14-JAN-21	22-JAN-21	R5356725
1,2,3,7,8,9-HxCDD	94.4	M,J	2.2	pg/g	14-JAN-21	22-JAN-21	R5356725
1,2,3,4,6,7,8-HpCDD	5350		11	pg/g	14-JAN-21	22-JAN-21	R5356725
OCDD	56600		6.1	pg/g	14-JAN-21	22-JAN-21	R5356725
2,3,7,8-TCDF	2.7	M,J,R	1.8	pg/g	14-JAN-21	22-JAN-21	R5356725
1,2,3,7,8-PeCDF	9.5	M,J	1.3	pg/g	14-JAN-21	22-JAN-21	R5356725
2,3,4,7,8-PeCDF	19.4	[J]	1.0	pg/g	14-JAN-21	22-JAN-21	R5356725
1,2,3,4,7,8-HxCDF	39.8	[J]	2.2	pg/g	14-JAN-21	22-JAN-21	R5356725
1,2,3,6,7,8-HxCDF	33.3	[J]	2.2	pg/g	14-JAN-21	22-JAN-21	R5356725
2,3,4,6,7,8-HxCDF	61.2	M,J	2.1	pg/g	14-JAN-21	22-JAN-21	R5356725
1,2,3,7,8,9-HxCDF	13.4	[J]	2.4	pg/g	14-JAN-21	22-JAN-21	R5356725
1,2,3,4,6,7,8-HpCDF	732	M	3.1	pg/g	14-JAN-21	22-JAN-21	R5356725
1,2,3,4,7,8,9-HpCDF	49.6	[J]	3.7	pg/g	14-JAN-21	22-JAN-21	R5356725
OCDF	1910		1.5	pg/g	14-JAN-21	22-JAN-21	R5356725
Total-TCDD	9.0		2.1	pg/g	14-JAN-21	22-JAN-21	R5356725
Total TCDD # Homologues	3				14-JAN-21	22-JAN-21	R5356725
Total-PeCDD	77.4		2.2	pg/g	14-JAN-21	22-JAN-21	R5356725
Total PeCDD # Homologues	5				14-JAN-21	22-JAN-21	R5356725
Total-HxCDD	887		2.2	pg/g	14-JAN-21	22-JAN-21	R5356725
Total HxCDD # Homologues	7				14-JAN-21	22-JAN-21	R5356725
Total-HpCDD	9050		11	pg/g	14-JAN-21	22-JAN-21	R5356725
Total HpCDD # Homologues	2				14-JAN-21	22-JAN-21	R5356725
Total-TCDF	12.6		1.8	pg/g	14-JAN-21	22-JAN-21	R5356725
Total TCDF # Homologues	1				14-JAN-21	22-JAN-21	R5356725
Total-PeCDF	224		1.3	pg/g	14-JAN-21	22-JAN-21	R5356725
Total PeCDF # Homologues	7				14-JAN-21	22-JAN-21	R5356725
Total-HxCDF	885		2.4	pg/g	14-JAN-21	22-JAN-21	R5356725
Total HxCDF # Homologues	10				14-JAN-21	22-JAN-21	R5356725
Total-HpCDF	1870		3.7	pg/g	14-JAN-21	22-JAN-21	R5356725
Total HpCDF # Homologues	4				14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-2,3,7,8-TCDD	74.0		25-164	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-1,2,3,7,8-PeCDD	83.0		25-181	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	78.0		32-141	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	72.0		28-130	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	84.0		23-140	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-OCDD	80.0		17-157	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-2,3,7,8-TCDF	86.0		24-169	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-1,2,3,7,8-PeCDF	91.0		24-185	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-2,3,4,7,8-PeCDF	91.0		21-178	%	14-JAN-21	22-JAN-21	R5356725

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2539765-2 EV20120054-02 Sampled By: Client on 08-DEC-20 @ 13:50 Matrix: Soil							
Dioxins and Furans HR 1613B							
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	83.0		26-152	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	83.0		26-123	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	84.0		29-147	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	86.0		28-136	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	87.0		28-143	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	91.0		26-138	%	14-JAN-21	22-JAN-21	R5356725
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	66.0		35-197	%	14-JAN-21	22-JAN-21	R5356725
Lower Bound PCDD/F TEQ (WHO 2005)	152			pg/g	14-JAN-21	22-JAN-21	R5356725
Mid Point PCDD/F TEQ (WHO 2005)	152			pg/g	14-JAN-21	22-JAN-21	R5356725
Upper Bound PCDD/F TEQ (WHO 2005)	152			pg/g	14-JAN-21	22-JAN-21	R5356725
L2539765-3 EV20120054-03 Sampled By: Client on 08-DEC-20 @ 14:10 Matrix: Soil							
Miscellaneous Parameters							
% Moisture	7.51		0.10	%	23-DEC-20	28-DEC-20	R5324804
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	<0.70	[U]	0.70	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,7,8-PeCDD	<3.3	[U]	3.3	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,4,7,8-HxCDD	<5.2	M,U	5.2	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,6,7,8-HxCDD	12.0	M,J,R	4.4	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,7,8,9-HxCDD	12.0	M,J,R	4.8	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDD	152		8.0	pg/g	23-DEC-20	06-JAN-21	R5335905
OCDD	2100		9.2	pg/g	23-DEC-20	06-JAN-21	R5335905
2,3,7,8-TCDF	<0.56	[U]	0.56	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,7,8-PeCDF	<0.86	[U]	0.86	pg/g	23-DEC-20	06-JAN-21	R5335905
2,3,4,7,8-PeCDF	<1.2	[U]	1.2	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,4,7,8-HxCDF	<3.3	[U]	3.3	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,6,7,8-HxCDF	<3.4	[U]	3.4	pg/g	23-DEC-20	06-JAN-21	R5335905
2,3,4,6,7,8-HxCDF	<3.4	[U]	3.4	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,7,8,9-HxCDF	<6.1	[U]	6.1	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDF	25.0	M,J,R	2.5	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,4,7,8,9-HpCDF	<4.1	[U]	4.1	pg/g	23-DEC-20	06-JAN-21	R5335905
OCDF	46.8	[J]	3.8	pg/g	23-DEC-20	06-JAN-21	R5335905
Total-TCDD	2.55		0.70	pg/g	23-DEC-20	06-JAN-21	R5335905
Total TCDD # Homologues	4				23-DEC-20	06-JAN-21	R5335905
Total-PeCDD	<3.3	[U]	3.3	pg/g	23-DEC-20	06-JAN-21	R5335905
Total PeCDD # Homologues	4				23-DEC-20	06-JAN-21	R5335905
Total-HxCDD	45.5		5.2	pg/g	23-DEC-20	06-JAN-21	R5335905
Total HxCDD # Homologues	5				23-DEC-20	06-JAN-21	R5335905
Total-HpCDD	281		8.0	pg/g	23-DEC-20	06-JAN-21	R5335905
Total HpCDD # Homologues	2				23-DEC-20	06-JAN-21	R5335905
Total-TCDF	0.94		0.56	pg/g	23-DEC-20	06-JAN-21	R5335905
Total TCDF # Homologues	4				23-DEC-20	06-JAN-21	R5335905
Total-PeCDF	9.0		1.2	pg/g	23-DEC-20	06-JAN-21	R5335905
Total PeCDF # Homologues	3				23-DEC-20	06-JAN-21	R5335905
Total-HxCDF	11.6		6.1	pg/g	23-DEC-20	06-JAN-21	R5335905
Total HxCDF # Homologues	6				23-DEC-20	06-JAN-21	R5335905
Total-HpCDF	<4.1	[U]	4.1	pg/g	23-DEC-20	06-JAN-21	R5335905
Total HpCDF # Homologues	3				23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDD	55.0		25-164	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDD	27.0		25-181	%	23-DEC-20	06-JAN-21	R5335905

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2539765-3 EV20120054-03							
Sampled By: Client on 08-DEC-20 @ 14:10							
Matrix: Soil							
Dioxins and Furans HR 1613B							
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	21.0	G	32-141	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	35.0		28-130	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	29.0		23-140	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-OCDD	16.0	G	17-157	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDF	56.0		24-169	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDF	45.0		24-185	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-2,3,4,7,8-PeCDF	31.0		21-178	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	25.0	G	26-152	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	32.0		26-123	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	32.0		29-147	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	28.0		28-136	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	28.0		28-143	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	16.0	G	26-138	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	107.0		35-197	%	23-DEC-20	06-JAN-21	R5335905
Lower Bound PCDD/F TEQ (WHO 2005)	2.16			pg/g	23-DEC-20	06-JAN-21	R5335905
Mid Point PCDD/F TEQ (WHO 2005)	8.13	0		pg/g	23-DEC-20	06-JAN-21	R5335905
Upper Bound PCDD/F TEQ (WHO 2005)	11.4			pg/g	23-DEC-20	06-JAN-21	R5335905
Note: Surrogate recoveries are failing low for some targets. Native target data are calculated via isotope dilution and not expected to be biased							
L2539765-4 EV20120054-04							
Sampled By: Client on 08-DEC-20 @ 14:20							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	8.74		0.10	%	23-DEC-20	28-DEC-20	R5324804
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	<0.58	[U]	0.58	pg/g	23-DEC-20	06-JAN-21	R5335905
1,2,3,7,8-PeCDD	<0.32	M,U	0.32	pg/g	23-DEC-20	03-JAN-21	R5335905
1,2,3,4,7,8-HxCDD	1.00	M,J	0.48	pg/g	23-DEC-20	03-JAN-21	R5335905
1,2,3,6,7,8-HxCDD	3.38	M	0.43	pg/g	23-DEC-20	03-JAN-21	R5335905
1,2,3,7,8,9-HxCDD	1.00	M,J,R	0.46	pg/g	23-DEC-20	03-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDD	84.7		1.0	pg/g	23-DEC-20	03-JAN-21	R5335905
OCDD	915		1.6	pg/g	23-DEC-20	03-JAN-21	R5335905
2,3,7,8-TCDF	<0.40	M,U	0.40	pg/g	23-DEC-20	03-JAN-21	R5335905
1,2,3,7,8-PeCDF	<0.34	[U]	0.34	pg/g	23-DEC-20	03-JAN-21	R5335905
2,3,4,7,8-PeCDF	<0.29	[U]	0.29	pg/g	23-DEC-20	03-JAN-21	R5335905
1,2,3,4,7,8-HxCDF	0.75	M,J	0.52	pg/g	23-DEC-20	03-JAN-21	R5335905
1,2,3,6,7,8-HxCDF	<0.55	M,U	0.55	pg/g	23-DEC-20	03-JAN-21	R5335905
2,3,4,6,7,8-HxCDF	1.05	[J]	0.53	pg/g	23-DEC-20	03-JAN-21	R5335905
1,2,3,7,8,9-HxCDF	<0.80	[U]	0.80	pg/g	23-DEC-20	03-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDF	18.6		0.37	pg/g	23-DEC-20	03-JAN-21	R5335905
1,2,3,4,7,8,9-HpCDF	0.60	[J]	0.53	pg/g	23-DEC-20	03-JAN-21	R5335905
OCDF	44.4		0.33	pg/g	23-DEC-20	03-JAN-21	R5335905
Total-TCDD	<0.58	[U]	0.58	pg/g	23-DEC-20	06-JAN-21	R5335905
Total TCDD # Homologues	0				23-DEC-20	06-JAN-21	R5335905
Total-PeCDD	0.81		0.32	pg/g	23-DEC-20	03-JAN-21	R5335905
Total PeCDD # Homologues	3				23-DEC-20	03-JAN-21	R5335905
Total-HxCDD	12.7		0.48	pg/g	23-DEC-20	03-JAN-21	R5335905
Total HxCDD # Homologues	5				23-DEC-20	03-JAN-21	R5335905
Total-HpCDD	144		1.0	pg/g	23-DEC-20	03-JAN-21	R5335905
Total HpCDD # Homologues	2				23-DEC-20	03-JAN-21	R5335905

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2539765-4 EV20120054-04							
Sampled By: Client on 08-DEC-20 @ 14:20							
Matrix: Soil							
Dioxins and Furans HR 1613B							
Total-TCDF	<0.40	[U]	0.40	pg/g	23-DEC-20	03-JAN-21	R5335905
Total TCDF # Homologues	0				23-DEC-20	03-JAN-21	R5335905
Total-PeCDF	1.33		0.34	pg/g	23-DEC-20	03-JAN-21	R5335905
Total PeCDF # Homologues	4				23-DEC-20	03-JAN-21	R5335905
Total-HxCDF	19.2		0.80	pg/g	23-DEC-20	03-JAN-21	R5335905
Total HxCDF # Homologues	6				23-DEC-20	03-JAN-21	R5335905
Total-HpCDF	46.2		0.53	pg/g	23-DEC-20	03-JAN-21	R5335905
Total HpCDF # Homologues	3				23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDD	82.0		25-164	%	23-DEC-20	06-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDD	66.0		25-181	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	75.0		32-141	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	91.0		28-130	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	77.0		23-140	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-OCDD	69.0		17-157	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDF	111.0		24-169	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDF	79.0		24-185	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-2,3,4,7,8-PeCDF	75.0		21-178	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	74.0		26-152	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	71.0		26-123	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	77.0		29-147	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	68.0		28-136	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	79.0		28-143	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	76.0		26-138	%	23-DEC-20	03-JAN-21	R5335905
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	53.0		35-197	%	23-DEC-20	03-JAN-21	R5335905
Lower Bound PCDD/F TEQ (WHO 2005)	1.94			pg/g	23-DEC-20	03-JAN-21	R5335905
Mid Point PCDD/F TEQ (WHO 2005)	2.63			pg/g	23-DEC-20	03-JAN-21	R5335905
Upper Bound PCDD/F TEQ (WHO 2005)	3.22			pg/g	23-DEC-20	03-JAN-21	R5335905

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J,G	QC result did not meet ALS DQO. Refer to narrative comments for further information. Duplicate expressed in terms of absolute difference.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M	A peak has been manually integrated.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DX-1613B-HRMS-BU	Soil	Dioxins and Furans HR 1613B	USEPA 1613B
Samples are extracted by Soxhlet. The extracts are prepared using column chromatography, reduced in volume and analyzed by isotope-dilution GC/HRMS			
MOISTURE-BU	Soil	% Moisture	CCME PHC in Soil - Tier 1 (mod)
This method is used to determine the percent moisture in a sample. Samples are homogenized, moisture is removed by heating at 105°C until constant mass is achieved. The residues are measured gravimetrically and the difference in weight between the wet sample and the dried sample is used to determine the moisture content. This percent moisture can be used, in conjunction with analytical results, to report data on a dry weight basis.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2539765

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Client: ALS Environmental - Everett
 8620 Holly Drive, Suite 100
 Everett WA 98208

Contact: Glen Perry

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5335905							
WG3456030-2 LCS								
2,3,7,8-TCDD			101.0		%		67-158	02-JAN-21
1,2,3,7,8-PeCDD			110.0		%		70-142	02-JAN-21
1,2,3,4,7,8-HxCDD			100.0		%		70-164	02-JAN-21
1,2,3,6,7,8-HxCDD			101.0		%		76-134	02-JAN-21
1,2,3,7,8,9-HxCDD			116.0		%		64-162	02-JAN-21
1,2,3,4,6,7,8-HpCDD			99.0		%		70-140	02-JAN-21
OCDD			98.0		%		78-144	02-JAN-21
2,3,7,8-TCDF			100.0		%		75-158	02-JAN-21
1,2,3,7,8-PeCDF			100.0		%		80-134	02-JAN-21
2,3,4,7,8-PeCDF			91.0		%		68-160	02-JAN-21
1,2,3,4,7,8-HxCDF			97.0		%		72-134	02-JAN-21
1,2,3,6,7,8-HxCDF			97.0		%		84-130	02-JAN-21
2,3,4,6,7,8-HxCDF			91.0		%		70-156	02-JAN-21
1,2,3,7,8,9-HxCDF			97.0		%		78-130	02-JAN-21
1,2,3,4,6,7,8-HpCDF			98.0		%		82-122	02-JAN-21
1,2,3,4,7,8,9-HpCDF			103.0		%		78-138	02-JAN-21
OCDF			102.0		%		63-170	02-JAN-21
WG3456030-1 MB								
2,3,7,8-TCDD			<0.088	[U]	pg/g		0.088	02-JAN-21
1,2,3,7,8-PeCDD			<0.10	[U]	pg/g		0.1	02-JAN-21
1,2,3,4,7,8-HxCDD			<0.12	[U]	pg/g		0.12	02-JAN-21
1,2,3,6,7,8-HxCDD			0.095	[J]	pg/g		0.095	02-JAN-21
1,2,3,7,8,9-HxCDD			<0.11	[U]	pg/g		0.11	02-JAN-21
1,2,3,4,6,7,8-HpCDD			0.56	J,R	pg/g		0.27	02-JAN-21
OCDD			5.98	M	pg/g		0.87	02-JAN-21
2,3,7,8-TCDF			<0.073	[U]	pg/g		0.073	02-JAN-21
1,2,3,7,8-PeCDF			<0.15	[U]	pg/g		0.15	02-JAN-21
2,3,4,7,8-PeCDF			<0.11	[U]	pg/g		0.11	02-JAN-21
1,2,3,4,7,8-HxCDF			<0.073	[U]	pg/g		0.073	02-JAN-21
1,2,3,6,7,8-HxCDF			<0.074	[U]	pg/g		0.074	02-JAN-21
2,3,4,6,7,8-HxCDF			<0.070	[U]	pg/g		0.07	02-JAN-21
1,2,3,7,8,9-HxCDF			<0.082	[U]	pg/g		0.082	02-JAN-21
1,2,3,4,6,7,8-HpCDF			<0.098	[U]	pg/g		0.098	02-JAN-21
1,2,3,4,7,8,9-HpCDF			<0.14	[U]	pg/g		0.14	02-JAN-21



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU								
Soil								
Batch	R5335905							
WG3456030-1	MB							
OCDF			0.46	M,J,R	pg/g		0.35	02-JAN-21
Total-TCDD			<0.088	[U]	pg/g		0.088	02-JAN-21
Total-PeCDD			<0.10	[U]	pg/g		0.1	02-JAN-21
Total-HxCDD			<0.12	[U]	pg/g		0.12	02-JAN-21
Total-HpCDD			0.41	A	pg/g		0.27	02-JAN-21
Total-TCDF			<0.073	[U]	pg/g		0.073	02-JAN-21
Total-PeCDF			<0.15	[U]	pg/g		0.15	02-JAN-21
Total-HxCDF			<0.082	[U]	pg/g		0.082	02-JAN-21
Total-HpCDF			<0.14	[U]	pg/g		0.14	02-JAN-21
Surrogate: 13C12-2,3,7,8-TCDD			96.0		%		25-164	02-JAN-21
Surrogate: 13C12-1,2,3,7,8-PeCDD			53.0		%		25-181	02-JAN-21
Surrogate: 13C12-1,2,3,4,7,8-HxCDD			60.0		%		32-141	02-JAN-21
Surrogate: 13C12-1,2,3,6,7,8-HxCDD			72.0		%		28-130	02-JAN-21
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD			67.0		%		23-140	02-JAN-21
Surrogate: 13C12-OCDD			45.0		%		17-157	02-JAN-21
Surrogate: 13C12-2,3,7,8-TCDF			93.0		%		24-169	02-JAN-21
Surrogate: 13C12-1,2,3,7,8-PeCDF			64.0		%		24-185	02-JAN-21
Surrogate: 13C12-2,3,4,7,8-PeCDF			61.0		%		21-178	02-JAN-21
Surrogate: 13C12-1,2,3,4,7,8-HxCDF			60.0		%		26-152	02-JAN-21
Surrogate: 13C12-1,2,3,6,7,8-HxCDF			66.0		%		26-123	02-JAN-21
Surrogate: 13C12-2,3,4,6,7,8-HxCDF			68.0		%		29-147	02-JAN-21
Surrogate: 13C12-1,2,3,7,8,9-HxCDF			91.0		%		28-136	02-JAN-21
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF			76.0		%		28-143	02-JAN-21
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF			70.0		%		26-138	02-JAN-21
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)			81.0		%		35-197	02-JAN-21
COMMENTS: There were low levels of select targets detected in the method blank that were within the reference method control limits.								
Batch	R5356725							
WG3469379-2	LCS							
2,3,7,8-TCDD			106.0		%		67-158	22-JAN-21
1,2,3,7,8-PeCDD			118.0		%		70-142	22-JAN-21
1,2,3,4,7,8-HxCDD			105.0		%		70-164	22-JAN-21
1,2,3,6,7,8-HxCDD			109.0		%		76-134	22-JAN-21
1,2,3,7,8,9-HxCDD			117.0		%		64-162	22-JAN-21
1,2,3,4,6,7,8-HpCDD			107.0		%		70-140	22-JAN-21

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU	Soil							
Batch	R5356725							
WG3469379-2	LCS							
OCDD			103.0		%		78-144	22-JAN-21
2,3,7,8-TCDF			115.0		%		75-158	22-JAN-21
1,2,3,7,8-PeCDF			115.0		%		80-134	22-JAN-21
2,3,4,7,8-PeCDF			106.0		%		68-160	22-JAN-21
1,2,3,4,7,8-HxCDF			102.0		%		72-134	22-JAN-21
1,2,3,6,7,8-HxCDF			107.0		%		84-130	22-JAN-21
2,3,4,6,7,8-HxCDF			102.0		%		70-156	22-JAN-21
1,2,3,7,8,9-HxCDF			107.0		%		78-130	22-JAN-21
1,2,3,4,6,7,8-HpCDF			101.0		%		82-122	22-JAN-21
1,2,3,4,7,8,9-HpCDF			99.0		%		78-138	22-JAN-21
OCDF			110.0		%		63-170	22-JAN-21
WG3469379-1	MB							
2,3,7,8-TCDD			<0.15	[U]	pg/g		0.15	22-JAN-21
1,2,3,7,8-PeCDD			0.420	M,J,R	pg/g		0.085	22-JAN-21
1,2,3,4,7,8-HxCDD			0.310	M,J,R	pg/g		0.085	22-JAN-21
1,2,3,6,7,8-HxCDD			0.350	M,J,R	pg/g		0.085	22-JAN-21
1,2,3,7,8,9-HxCDD			0.400	M,J,R	pg/g		0.087	22-JAN-21
1,2,3,4,6,7,8-HpCDD			0.500	J,R	pg/g		0.086	22-JAN-21
OCDD			1.81	[J]	pg/g		0.12	22-JAN-21
2,3,7,8-TCDF			<0.11	[U]	pg/g		0.11	22-JAN-21
1,2,3,7,8-PeCDF			0.320	J,R	pg/g		0.063	22-JAN-21
2,3,4,7,8-PeCDF			0.330	J,R	pg/g		0.053	22-JAN-21
1,2,3,4,7,8-HxCDF			0.398	M,J	pg/g		0.056	22-JAN-21
1,2,3,6,7,8-HxCDF			0.280	M,J,R	pg/g		0.055	22-JAN-21
2,3,4,6,7,8-HxCDF			0.428	[J]	pg/g		0.056	22-JAN-21
1,2,3,7,8,9-HxCDF			0.508	[J]	pg/g		0.065	22-JAN-21
1,2,3,4,6,7,8-HpCDF			0.418	[J]	pg/g		0.066	22-JAN-21
1,2,3,4,7,8,9-HpCDF			0.370	J,R	pg/g		0.074	22-JAN-21
OCDF			1.34	[J]	pg/g		0.11	22-JAN-21
Total-TCDD			<0.15	[U]	pg/g		0.15	22-JAN-21
Total-PeCDD			0.320	A	pg/g		0.085	22-JAN-21
Total-HxCDD			<0.087	[U]	pg/g		0.087	22-JAN-21
Total-HpCDD			<0.086	[U]	pg/g		0.086	22-JAN-21
Total-TCDF			<0.11	[U]	pg/g		0.11	22-JAN-21



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5356725							
WG3469379-1	MB							
Total-PeCDF			<0.063	[U]	pg/g		0.063	22-JAN-21
Total-HxCDF			1.33	A	pg/g		0.065	22-JAN-21
Total-HpCDF			0.418	A	pg/g		0.074	22-JAN-21
Surrogate: 13C12-2,3,7,8-TCDD			75.0		%		25-164	22-JAN-21
Surrogate: 13C12-1,2,3,7,8-PeCDD			83.0		%		25-181	22-JAN-21
Surrogate: 13C12-1,2,3,4,7,8-HxCDD			82.0		%		32-141	22-JAN-21
Surrogate: 13C12-1,2,3,6,7,8-HxCDD			77.0		%		28-130	22-JAN-21
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD			83.0		%		23-140	22-JAN-21
Surrogate: 13C12-OCDD			77.0		%		17-157	22-JAN-21
Surrogate: 13C12-2,3,7,8-TCDF			86.0		%		24-169	22-JAN-21
Surrogate: 13C12-1,2,3,7,8-PeCDF			93.0		%		24-185	22-JAN-21
Surrogate: 13C12-2,3,4,7,8-PeCDF			92.0		%		21-178	22-JAN-21
Surrogate: 13C12-1,2,3,4,7,8-HxCDF			85.0		%		26-152	22-JAN-21
Surrogate: 13C12-1,2,3,6,7,8-HxCDF			86.0		%		26-123	22-JAN-21
Surrogate: 13C12-2,3,4,6,7,8-HxCDF			89.0		%		29-147	22-JAN-21
Surrogate: 13C12-1,2,3,7,8,9-HxCDF			92.0		%		28-136	22-JAN-21
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF			89.0		%		28-143	22-JAN-21
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF			94.0		%		26-138	22-JAN-21
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)			75.0		%		35-197	22-JAN-21

COMMENTS: The Method Blank has low level detected targets that are within the reference method control limits

MOISTURE-BU **Soil**

Batch **R5324804**

WG3456034-2 **LCS**

% Moisture			97.9		%		90-110	28-DEC-20
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WG3456034-1 **MB**

% Moisture			<0.10		%		0.3	28-DEC-20
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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M	A peak has been manually integrated.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

L2539785

Date 12/10/20 Page 1 Of 1

PROJECT ID: <u>EV20120054</u>					ANALYSIS REQUESTED														OTHER (Specify)	
REPORT TO COMPANY: <u>ALS Environmental</u>					NWTPH-HCID NWTPH-DX NWTPH-GX BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> PFI Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	Alexina/Furcas by 1613 NUMBER OF CONTAINERS RECEIVED IN GOOD CONDITION?														
PROJECT MANAGER: <u>Glen Perry</u>																				
ADDRESS: <u>8620 Holly Drive #100</u>																				
<u>Everett WA 98208</u>																				
PHONE: <u>(425) 356-2600</u> P.O. #: <u>32-EV20120054</u>																				
E-MAIL: <u>glen.perry@alsglobal.com</u>																				
INVOICE TO COMPANY:																				
ATTENTION: <u>Same</u>																				
ADDRESS:																				
SAMPLE I.D.	DATE	TIME	TYPE	LAB#																
✓ 1. <u>EV20120054-01</u>	<u>12/8/20</u>	<u>1330</u>	<u>S</u>																X	
✓ 2. <u>EV20120054-02</u>	<u> </u>	<u>1350</u>	<u> </u>																X	
✓ 3. <u>EV20120054-03</u>	<u> </u>	<u>1410</u>	<u> </u>																X	
✓ 4. <u>EV20120054-04</u>	<u>↓</u>	<u>1420</u>	<u>↓</u>																X	
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				

SPECIAL INSTRUCTIONS Please email results by noon 12/22/20

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: Shawn Robinson ALS 12/10/20 11:00am
 Received By: Rhodes 11-DEC-20 14:25 0.3°C
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis OTHER:
 Standard 10 5 3 2 1 SAME DAY
 Specify: _____
 Fuels & Hydrocarbon Analysis
 Standard 5 3 1 SAME DAY

*Turnaround request less than standard may incur Rush Charges

PURCHASE ORDER

The following number must appear on all related correspondence, shipping papers, and invoices:

P.O. NUMBER: 32-EV20/20054

To: **ALS Environmental**
 Ancy Sebastian/Claire Kocharakka/
 1435 Norjohn Court, Unit 1
 Burlington, Ontario, Canada L7L 0E6
 Ph: (905) 331-3111
 Acct #: ALS01

Bill To: **ALS Everett**
 10450 Stancliff Rd, Suite 210
 Houston, TX 77099
 TEL 281-530-5656 FAX 281-530-5887

Ship To: **ALS Group USA, Corp.**
 8620 Holly Drive
 Suite 100
 Everett, Washington 98208
 TEL 425 356 2600 FAX 425 356 2626

P.O. DATE	REQUISITIONER	Ship VIA	Department	TERMS
12/10/20	shawn.robinson			NET 30

Item	Catalog No.	QTY	Unit Price	Total Price
Dioxin/Furans by 1613 Soil		4	375.00	1500.00

Comments:

Please email results by noon
 12/22/20

Sales Tax:	\$0.00
Shipping/Handling:	\$0.00
Other:	\$0.00

OrderAmount:	1500.00
--------------	---------

Shawn Robinson 12/10/20
 Authorized by Date



ALS Environmental - Everett
ATTN: Glen Perry
8620 Holly Drive, Suite 100
Everett WA 98208

Date Received: 11-DEC-20
Report Date: 07-JAN-21 13:20 (MT)
Version: FINAL

Client Phone: 425-356-2600

Certificate of Analysis

Lab Work Order #: L2539763
Project P.O. #: 32-EV20120061
Job Reference: EV20120061
C of C Numbers:
Legal Site Desc:

Claire Kocharakkal, B.Sc.
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 1435 Norjohn Court, Unit 1, Burlington, ON, L7L 0E6 Canada | Phone: +1 905 331 3111 | Fax: +1 905 331 4567
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2539763-1 EV20120061-01							
Sampled By: Client on 09-DEC-20 @ 13:40							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	11.9		0.10	%	23-DEC-20	28-DEC-20	R5324804
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	0.28	M,J,R	0.23	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDD	1.85	M,J	0.28	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDD	2.9	M	1.0	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDD	8.86	M	0.93	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDD	5.17	M	0.99	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDD	241		2.5	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDD	2590		3.6	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,7,8-TCDF	1.60	M,R	0.29	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDF	1.04	[J]	0.49	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,7,8-PeCDF	1.92	M,J	0.42	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDF	2.74	[J]	0.53	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDF	1.50	[J]	0.51	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,6,7,8-HxCDF	4.40	M,R	0.54	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDF	<0.77	[U]	0.77	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDF	49.0		1.0	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8,9-HpCDF	2.2	M,J,R	1.5	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDF	136		0.99	pg/g	23-DEC-20	02-JAN-21	R5335905
Total-TCDD	15.6		0.23	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDD # Homologues	4				23-DEC-20	02-JAN-21	R5335905
Total-PeCDD	18.1		0.28	pg/g	23-DEC-20	02-JAN-21	R5335905
Total PeCDD # Homologues	5				23-DEC-20	02-JAN-21	R5335905
Total-HxCDD	68.0		1.0	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDD # Homologues	6				23-DEC-20	02-JAN-21	R5335905
Total-HpCDD	448		2.5	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDD # Homologues	2				23-DEC-20	02-JAN-21	R5335905
Total-TCDF	12.8		0.29	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDF # Homologues	7				23-DEC-20	02-JAN-21	R5335905
Total-PeCDF	32.7		0.49	pg/g	23-DEC-20	02-JAN-21	R5335905
Total PeCDF # Homologues	7				23-DEC-20	02-JAN-21	R5335905
Total-HxCDF	65.4		0.77	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDF # Homologues	6				23-DEC-20	02-JAN-21	R5335905
Total-HpCDF	127		1.5	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDF # Homologues	2				23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDD	79.0		25-164	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDD	53.0		25-181	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	62.0		32-141	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	85.0		28-130	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	75.0		23-140	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-OCDD	69.0		17-157	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDF	83.0		24-169	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDF	66.0		24-185	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,7,8-PeCDF	61.0		21-178	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	76.0		26-152	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	98.0		26-123	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	88.0		29-147	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	78.0		28-136	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	79.0		28-143	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	74.0		26-138	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	79.0		35-197	%	23-DEC-20	02-JAN-21	R5335905

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2539763-1 EV20120061-01 Sampled By: Client on 09-DEC-20 @ 13:40 Matrix: Soil							
Dioxins and Furans HR 1613B							
Lower Bound PCDD/F TEQ (WHO 2005)	8.30			pg/g	23-DEC-20	02-JAN-21	R5335905
Mid Point PCDD/F TEQ (WHO 2005)	9.24			pg/g	23-DEC-20	02-JAN-21	R5335905
Upper Bound PCDD/F TEQ (WHO 2005)	9.27			pg/g	23-DEC-20	02-JAN-21	R5335905
L2539763-2 EV20120061-02 Sampled By: Client on 09-DEC-20 @ 13:50 Matrix: Soil							
Miscellaneous Parameters							
% Moisture	23.6		0.10	%	23-DEC-20	28-DEC-20	R5324804
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	0.64	M,R	0.26	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDD	1.94	[J]	0.26	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDD	2.47	[J]	0.74	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDD	8.20	M,R	0.68	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDD	5.35	M	0.73	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDD	247		1.2	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDD	3210		2.1	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,7,8-TCDF	6.13		0.33	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDF	2.24	[J]	0.21	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,7,8-PeCDF	3.64		0.19	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDF	2.90	J,R	0.37	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDF	2.00	J,R	0.37	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,6,7,8-HxCDF	4.70		0.37	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDF	1.19	[J]	0.27	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDF	43.6		0.42	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8,9-HpCDF	3.20	R	0.56	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDF	113		0.46	pg/g	23-DEC-20	02-JAN-21	R5335905
Total-TCDD	60.7		0.26	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDD # Homologues	9				23-DEC-20	02-JAN-21	R5335905
Total-PeCDD	70.3		0.26	pg/g	23-DEC-20	02-JAN-21	R5335905
Total PeCDD # Homologues	7				23-DEC-20	02-JAN-21	R5335905
Total-HxCDD	82.1		0.74	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDD # Homologues	5				23-DEC-20	02-JAN-21	R5335905
Total-HpCDD	465		1.2	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDD # Homologues	2				23-DEC-20	02-JAN-21	R5335905
Total-TCDF	71.8		0.33	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDF # Homologues	13				23-DEC-20	02-JAN-21	R5335905
Total-PeCDF	45.0		0.21	pg/g	23-DEC-20	02-JAN-21	R5335905
Total PeCDF # Homologues	10				23-DEC-20	02-JAN-21	R5335905
Total-HxCDF	62.1		0.37	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDF # Homologues	6				23-DEC-20	02-JAN-21	R5335905
Total-HpCDF	125		0.56	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDF # Homologues	2				23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDD	72.0		25-164	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDD	51.0		25-181	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	67.0		32-141	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	63.0		28-130	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	75.0		23-140	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-OCDD	80.0		17-157	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDF	74.0		24-169	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDF	64.0		24-185	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,7,8-PeCDF	63.0		21-178	%	23-DEC-20	02-JAN-21	R5335905

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2539763-2 EV20120061-02 Sampled By: Client on 09-DEC-20 @ 13:50 Matrix: Soil							
Dioxins and Furans HR 1613B							
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	69.0		26-152	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	79.0		26-123	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	76.0		29-147	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	80.0		28-136	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	79.0		28-143	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	76.0		26-138	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	71.0		35-197	%	23-DEC-20	02-JAN-21	R5335905
Lower Bound PCDD/F TEQ (WHO 2005)	8.99			pg/g	23-DEC-20	02-JAN-21	R5335905
Mid Point PCDD/F TEQ (WHO 2005)	11.0			pg/g	23-DEC-20	02-JAN-21	R5335905
Upper Bound PCDD/F TEQ (WHO 2005)	11.0			pg/g	23-DEC-20	02-JAN-21	R5335905
L2539763-3 EV20120061-03 Sampled By: Client on 09-DEC-20 @ 14:00 Matrix: Soil							
Miscellaneous Parameters							
% Moisture	14.5		0.10	%	23-DEC-20	28-DEC-20	R5324804
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	0.30	M,J	0.28	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDD	0.95	M,J	0.21	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDD	0.87	M,J,R	0.48	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDD	2.10	M,J,R	0.46	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDD	1.54	M,J	0.48	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDD	35.8		0.70	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDD	420		1.2	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,7,8-TCDF	2.95	M	0.31	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDF	1.30	[J]	0.25	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,7,8-PeCDF	2.07	M,J	0.22	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDF	0.97	M,J	0.50	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDF	0.91	M,J	0.50	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,6,7,8-HxCDF	1.20	M,J,R	0.48	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDF	<0.61	[U]	0.61	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDF	10.5		0.25	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8,9-HpCDF	0.52	J,R	0.34	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDF	22.3		0.39	pg/g	23-DEC-20	02-JAN-21	R5335905
Total-TCDD	41.2		0.28	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDD # Homologues	8				23-DEC-20	02-JAN-21	R5335905
Total-PeCDD	32.0		0.21	pg/g	23-DEC-20	02-JAN-21	R5335905
Total PeCDD # Homologues	6				23-DEC-20	02-JAN-21	R5335905
Total-HxCDD	30.8		0.48	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDD # Homologues	4				23-DEC-20	02-JAN-21	R5335905
Total-HpCDD	71.2		0.70	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDD # Homologues	2				23-DEC-20	02-JAN-21	R5335905
Total-TCDF	45.8		0.31	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDF # Homologues	14				23-DEC-20	02-JAN-21	R5335905
Total-PeCDF	22.9		0.25	pg/g	23-DEC-20	02-JAN-21	R5335905
Total PeCDF # Homologues	7				23-DEC-20	02-JAN-21	R5335905
Total-HxCDF	14.8		0.61	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDF # Homologues	4				23-DEC-20	02-JAN-21	R5335905
Total-HpCDF	25.4		0.34	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDF # Homologues	2				23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDD	70.0		25-164	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDD	56.0		25-181	%	23-DEC-20	02-JAN-21	R5335905

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2539763-3 EV20120061-03 Sampled By: Client on 09-DEC-20 @ 14:00 Matrix: Soil							
Dioxins and Furans HR 1613B							
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	64.0		32-141	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	74.0		28-130	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	75.0		23-140	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-OCDD	72.0		17-157	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDF	74.0		24-169	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDF	66.0		24-185	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,7,8-PeCDF	64.0		21-178	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	69.0		26-152	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	80.0		26-123	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	82.0		29-147	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	81.0		28-136	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	81.0		28-143	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	78.0		26-138	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	71.0		35-197	%	23-DEC-20	02-JAN-21	R5335905
Lower Bound PCDD/F TEQ (WHO 2005)	3.15			pg/g	23-DEC-20	02-JAN-21	R5335905
Mid Point PCDD/F TEQ (WHO 2005)	3.60			pg/g	23-DEC-20	02-JAN-21	R5335905
Upper Bound PCDD/F TEQ (WHO 2005)	3.63			pg/g	23-DEC-20	02-JAN-21	R5335905
L2539763-4 EV20120061-04 Sampled By: Client on 09-DEC-20 @ 14:10 Matrix: Soil							
Miscellaneous Parameters							
% Moisture	9.40		0.10	%	23-DEC-20	28-DEC-20	R5324804
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	<0.084	[U]	0.084	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDD	<0.080	[U]	0.080	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDD	<0.20	M,U	0.20	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDD	<0.22	[U]	0.22	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDD	<0.21	M,U	0.21	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDD	6.33	M	0.55	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDD	71.9		1.2	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,7,8-TCDF	<0.075	[U]	0.075	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDF	<0.087	[U]	0.087	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,7,8-PeCDF	<0.074	[U]	0.074	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDF	<0.14	[U]	0.14	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDF	<0.11	[U]	0.11	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,6,7,8-HxCDF	<0.13	[U]	0.13	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDF	<0.20	[U]	0.20	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDF	1.48	[J]	0.18	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8,9-HpCDF	<0.28	[U]	0.28	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDF	4.07	[J]	0.56	pg/g	23-DEC-20	02-JAN-21	R5335905
Total-TCDD	0.258		0.084	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDD # Homologues	2				23-DEC-20	02-JAN-21	R5335905
Total-PeCDD	<0.080	[U]	0.080	pg/g	23-DEC-20	02-JAN-21	R5335905
Total PeCDD # Homologues	0				23-DEC-20	02-JAN-21	R5335905
Total-HxCDD	<0.22	[U]	0.22	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDD # Homologues	0				23-DEC-20	02-JAN-21	R5335905
Total-HpCDD	6.33		0.55	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDD # Homologues	1				23-DEC-20	02-JAN-21	R5335905
Total-TCDF	<0.075	[U]	0.075	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDF # Homologues	0				23-DEC-20	02-JAN-21	R5335905
Total-PeCDF	<0.087	[U]	0.087	pg/g	23-DEC-20	02-JAN-21	R5335905

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2539763-4 EV20120061-04							
Sampled By: Client on 09-DEC-20 @ 14:10							
Matrix: Soil							
Dioxins and Furans HR 1613B							
Total PeCDF # Homologues	0				23-DEC-20	02-JAN-21	R5335905
Total-HxCDF	<0.20	[U]	0.20	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDF # Homologues	0				23-DEC-20	02-JAN-21	R5335905
Total-HpCDF	3.52		0.28	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDF # Homologues	2				23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDD	89.0		25-164	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDD	55.0		25-181	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	73.0		32-141	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	75.0		28-130	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	61.0		23-140	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-OCDD	45.0		17-157	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDF	95.0		24-169	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDF	67.0		24-185	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,7,8-PeCDF	60.0		21-178	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	67.0		26-152	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	97.0		26-123	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	82.0		29-147	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	72.0		28-136	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	67.0		28-143	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	61.0		26-138	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	94.0		35-197	%	23-DEC-20	02-JAN-21	R5335905
Lower Bound PCDD/F TEQ (WHO 2005)	0.101			pg/g	23-DEC-20	02-JAN-21	R5335905
Mid Point PCDD/F TEQ (WHO 2005)	0.261			pg/g	23-DEC-20	02-JAN-21	R5335905
Upper Bound PCDD/F TEQ (WHO 2005)	0.421			pg/g	23-DEC-20	02-JAN-21	R5335905
L2539763-5 EV20120061-05							
Sampled By: Client on 09-DEC-20 @ 14:20							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	5.83		0.10	%	23-DEC-20	28-DEC-20	R5324804
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	<0.086	[U]	0.086	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDD	<0.10	[U]	0.10	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDD	<0.14	[U]	0.14	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDD	<0.14	[U]	0.14	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDD	<0.14	[U]	0.14	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDD	1.60	M,J	0.28	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDD	15.1	[B]	0.84	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,7,8-TCDF	<0.071	M,U	0.071	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8-PeCDF	<0.078	[U]	0.078	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,7,8-PeCDF	<0.062	[U]	0.062	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8-HxCDF	<0.093	[U]	0.093	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,6,7,8-HxCDF	<0.098	[U]	0.098	pg/g	23-DEC-20	02-JAN-21	R5335905
2,3,4,6,7,8-HxCDF	<0.095	[U]	0.095	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,7,8,9-HxCDF	<0.13	[U]	0.13	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,6,7,8-HpCDF	0.34	[J]	0.12	pg/g	23-DEC-20	02-JAN-21	R5335905
1,2,3,4,7,8,9-HpCDF	<0.16	[U]	0.16	pg/g	23-DEC-20	02-JAN-21	R5335905
OCDF	1.36	M,J	0.27	pg/g	23-DEC-20	02-JAN-21	R5335905
Total-TCDD	<0.086	[U]	0.086	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDD # Homologues	0				23-DEC-20	02-JAN-21	R5335905
Total-PeCDD	<0.10	[U]	0.10	pg/g	23-DEC-20	02-JAN-21	R5335905
Total PeCDD # Homologues	0				23-DEC-20	02-JAN-21	R5335905

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2539763-5 EV20120061-05							
Sampled By: Client on 09-DEC-20 @ 14:20							
Matrix: Soil							
Dioxins and Furans HR 1613B							
Total-HxCDD	<0.14	[U]	0.14	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDD # Homologues	0				23-DEC-20	02-JAN-21	R5335905
Total-HpCDD	3.82		0.28	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDD # Homologues	2				23-DEC-20	02-JAN-21	R5335905
Total-TCDF	<0.071	[U]	0.071	pg/g	23-DEC-20	02-JAN-21	R5335905
Total TCDF # Homologues	0				23-DEC-20	02-JAN-21	R5335905
Total-PeCDF	0.107		0.078	pg/g	23-DEC-20	02-JAN-21	R5335905
Total PeCDF # Homologues	1				23-DEC-20	02-JAN-21	R5335905
Total-HxCDF	<0.13	[U]	0.13	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HxCDF # Homologues	0				23-DEC-20	02-JAN-21	R5335905
Total-HpCDF	0.34		0.16	pg/g	23-DEC-20	02-JAN-21	R5335905
Total HpCDF # Homologues	1				23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDD	71.0		25-164	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDD	56.0		25-181	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	66.0		32-141	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	72.0		28-130	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	68.0		23-140	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-OCDD	52.0		17-157	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,7,8-TCDF	79.0		24-169	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8-PeCDF	66.0		24-185	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,7,8-PeCDF	65.0		21-178	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	71.0		26-152	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	80.0		26-123	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	78.0		29-147	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	76.0		28-136	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	71.0		28-143	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	68.0		26-138	%	23-DEC-20	02-JAN-21	R5335905
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	78.0		35-197	%	23-DEC-20	02-JAN-21	R5335905
Lower Bound PCDD/F TEQ (WHO 2005)	0.0243			pg/g	23-DEC-20	02-JAN-21	R5335905
Mid Point PCDD/F TEQ (WHO 2005)	0.174			pg/g	23-DEC-20	02-JAN-21	R5335905
Upper Bound PCDD/F TEQ (WHO 2005)	0.324			pg/g	23-DEC-20	02-JAN-21	R5335905

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J,G	QC result did not meet ALS DQO. Refer to narrative comments for further information. Duplicate expressed in terms of absolute difference.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M	A peak has been manually integrated.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,R	A peak has been manually integrated, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
R	The ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
[B]	The analyte was detected in the Method Blank at >10% of the sample concentration.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DX-1613B-HRMS-BU	Soil	Dioxins and Furans HR 1613B	USEPA 1613B
Samples are extracted by Soxhlet. The extracts are prepared using column chromatography, reduced in volume and analyzed by isotope-dilution GC/HRMS			
MOISTURE-BU	Soil	% Moisture	CCME PHC in Soil - Tier 1 (mod)
This method is used to determine the percent moisture in a sample. Samples are homogenized, moisture is removed by heating at 105°C until constant mass is achieved. The residues are measured gravimetrically and the difference in weight between the wet sample and the dried sample is used to determine the moisture content. This percent moisture can be used, in conjunction with analytical results, to report data on a dry weight basis.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:
GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2539763

Report Date: 07-JAN-21

Page 1 of 3

Client: ALS Environmental - Everett
 8620 Holly Drive, Suite 100
 Everett WA 98208

Contact: Glen Perry

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5335905							
WG3456030-2 LCS								
2,3,7,8-TCDD			101.0		%		67-158	02-JAN-21
1,2,3,7,8-PeCDD			110.0		%		70-142	02-JAN-21
1,2,3,4,7,8-HxCDD			100.0		%		70-164	02-JAN-21
1,2,3,6,7,8-HxCDD			101.0		%		76-134	02-JAN-21
1,2,3,7,8,9-HxCDD			116.0		%		64-162	02-JAN-21
1,2,3,4,6,7,8-HpCDD			99.0		%		70-140	02-JAN-21
OCDD			98.0		%		78-144	02-JAN-21
2,3,7,8-TCDF			100.0		%		75-158	02-JAN-21
1,2,3,7,8-PeCDF			100.0		%		80-134	02-JAN-21
2,3,4,7,8-PeCDF			91.0		%		68-160	02-JAN-21
1,2,3,4,7,8-HxCDF			97.0		%		72-134	02-JAN-21
1,2,3,6,7,8-HxCDF			97.0		%		84-130	02-JAN-21
2,3,4,6,7,8-HxCDF			91.0		%		70-156	02-JAN-21
1,2,3,7,8,9-HxCDF			97.0		%		78-130	02-JAN-21
1,2,3,4,6,7,8-HpCDF			98.0		%		82-122	02-JAN-21
1,2,3,4,7,8,9-HpCDF			103.0		%		78-138	02-JAN-21
OCDF			102.0		%		63-170	02-JAN-21
WG3456030-1 MB								
2,3,7,8-TCDD			<0.088	[U]	pg/g		0.088	02-JAN-21
1,2,3,7,8-PeCDD			<0.10	[U]	pg/g		0.1	02-JAN-21
1,2,3,4,7,8-HxCDD			<0.12	[U]	pg/g		0.12	02-JAN-21
1,2,3,6,7,8-HxCDD			0.095	[J]	pg/g		0.095	02-JAN-21
1,2,3,7,8,9-HxCDD			<0.11	[U]	pg/g		0.11	02-JAN-21
1,2,3,4,6,7,8-HpCDD			0.56	[J,R]	pg/g		0.27	02-JAN-21
OCDD			5.98	[M]	pg/g		0.87	02-JAN-21
2,3,7,8-TCDF			<0.073	[U]	pg/g		0.073	02-JAN-21
1,2,3,7,8-PeCDF			<0.15	[U]	pg/g		0.15	02-JAN-21
2,3,4,7,8-PeCDF			<0.11	[U]	pg/g		0.11	02-JAN-21
1,2,3,4,7,8-HxCDF			<0.073	[U]	pg/g		0.073	02-JAN-21
1,2,3,6,7,8-HxCDF			<0.074	[U]	pg/g		0.074	02-JAN-21
2,3,4,6,7,8-HxCDF			<0.070	[U]	pg/g		0.07	02-JAN-21
1,2,3,7,8,9-HxCDF			<0.082	[U]	pg/g		0.082	02-JAN-21
1,2,3,4,6,7,8-HpCDF			<0.098	[U]	pg/g		0.098	02-JAN-21
1,2,3,4,7,8,9-HpCDF			<0.14	[U]	pg/g		0.14	02-JAN-21



Quality Control Report

Workorder: L2539763

Report Date: 07-JAN-21

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch R5335905								
WG3456030-1 MB								
OCDF			0.46	M,J,R	pg/g		0.35	02-JAN-21
Total-TCDD			<0.088	[U]	pg/g		0.088	02-JAN-21
Total-PeCDD			<0.10	[U]	pg/g		0.1	02-JAN-21
Total-HxCDD			<0.12	[U]	pg/g		0.12	02-JAN-21
Total-HpCDD			0.41	A	pg/g		0.27	02-JAN-21
Total-TCDF			<0.073	[U]	pg/g		0.073	02-JAN-21
Total-PeCDF			<0.15	[U]	pg/g		0.15	02-JAN-21
Total-HxCDF			<0.082	[U]	pg/g		0.082	02-JAN-21
Total-HpCDF			<0.14	[U]	pg/g		0.14	02-JAN-21
Surrogate: 13C12-2,3,7,8-TCDD			96.0		%		25-164	02-JAN-21
Surrogate: 13C12-1,2,3,7,8-PeCDD			53.0		%		25-181	02-JAN-21
Surrogate: 13C12-1,2,3,4,7,8-HxCDD			60.0		%		32-141	02-JAN-21
Surrogate: 13C12-1,2,3,6,7,8-HxCDD			72.0		%		28-130	02-JAN-21
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD			67.0		%		23-140	02-JAN-21
Surrogate: 13C12-OCDD			45.0		%		17-157	02-JAN-21
Surrogate: 13C12-2,3,7,8-TCDF			93.0		%		24-169	02-JAN-21
Surrogate: 13C12-1,2,3,7,8-PeCDF			64.0		%		24-185	02-JAN-21
Surrogate: 13C12-2,3,4,7,8-PeCDF			61.0		%		21-178	02-JAN-21
Surrogate: 13C12-1,2,3,4,7,8-HxCDF			60.0		%		26-152	02-JAN-21
Surrogate: 13C12-1,2,3,6,7,8-HxCDF			66.0		%		26-123	02-JAN-21
Surrogate: 13C12-2,3,4,6,7,8-HxCDF			68.0		%		29-147	02-JAN-21
Surrogate: 13C12-1,2,3,7,8,9-HxCDF			91.0		%		28-136	02-JAN-21
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF			76.0		%		28-143	02-JAN-21
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF			70.0		%		26-138	02-JAN-21
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)			81.0		%		35-197	02-JAN-21

COMMENTS: There were low levels of select targets detected in the method blank that were within the reference method control limits.

MOISTURE-BU **Soil**

Batch R5324804

WG3456034-2 LCS

% Moisture	97.9	%	90-110	28-DEC-20
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WG3456034-1 MB

% Moisture	<0.10	%	0.3	28-DEC-20
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Quality Control Report

Workorder: L2539763

Report Date: 07-JAN-21

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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M	A peak has been manually integrated.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

PURCHASE ORDER

The following number must appear on all related correspondence, shipping papers, and invoices:

P.O. NUMBER: 32- EV20120061

To: **ALS Environmental**
 Ancy Sebastian / Claire Kocharakka /
 1435 Norjohn Court, Unit I
 Burlington, Ontario, Canada L7L 0E6
 Ph: (905) 331-3111
 Acct #: ALS01

Bill To: **ALS Everett**
 10450 Stancliff Rd, Suite 210
 Houston, TX 77099
 TEL 281-530-5656 FAX 281-530-5887

Ship To: **ALS Group USA, Corp.**
 8620 Holly Drive
 Suite 100
 Everett, Washington 98208
 TEL 425 356 2600 FAX 425 356 2626

P.O. DATE	REQUISITIONER	Ship VIA	Department	TERMS
12/10/20	shawn.robinson			NET 30

Item	Catalog No.	QTY	Unit Price	Total Price
Dioxin/Furans by 1613 Soil		5	375.00	1,875.00

Comments: Please email results by noon 12/23/20

Sales Tax:	\$0.00
Shipping/Handling:	\$0.00
Other:	\$0.00

OrderAmount: 1,875.00

Shawn Robinson 12/10/20
 Authorized by Date



ALS Environmental - Everett
ATTN: Glen Perry
8620 Holly Drive, Suite 100
Everett WA 98208

Date Received: 19-JAN-21
Report Date: 09-FEB-21 09:16 (MT)
Version: FINAL

Client Phone: 425-356-2600

Certificate of Analysis

Lab Work Order #: L2549469
Project P.O. #: 32-EV21010106
Job Reference: EV21010106
C of C Numbers:
Legal Site Desc:



Claire Kocharakkal, B.Sc.
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-1 EV21010106-01							
Sampled By: Client on 14-JAN-21 @ 21:00							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	21.7		0.10	%	27-JAN-21	28-JAN-21	R5359139
PCB Congeners short run SPB-Octyl Column							
PCB 1	1.54	M,J	0.15	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 2	0.92	M,J,R	0.12	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 3	2.43		0.085	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 4	1.39	M,J	0.39	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 10	0.30	M,J,R	0.17	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 9	<0.19	[U]	0.19	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 7	0.21	M,J,R	0.17	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 6	<0.17	[U]	0.17	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 5	<0.22	[U]	0.22	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 8	<0.15	[U]	0.15	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 14	<0.21	[U]	0.21	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 11	5.41	[B]	0.22	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 13/12	1.18	[J]	0.21	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 15	7.92		0.16	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 19	1.11	M,J	0.085	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 30/18	3.18		0.066	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 17	1.76		0.078	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 27	0.374	M,J	0.059	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 24	<0.058	[U]	0.058	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 16	1.27	[J]	0.082	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 32	1.62		0.053	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 34	<0.16	[U]	0.16	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 23	<0.13	[U]	0.13	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 29/26	1.61	M	0.13	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 25	0.90	[J]	0.12	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 31	11.1		0.12	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 28/20	17.1		0.13	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 21/33	4.65		0.12	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 22	4.21		0.13	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 36	0.51	[J]	0.13	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 39	<0.14	[U]	0.14	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 38	<0.14	[U]	0.14	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 35	0.39	M,J,R	0.14	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 37	11.3		0.18	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 54	<0.046	[U]	0.046	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 50/53	1.6	M,J,R	1.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 45/51	2.6	[J]	1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 46	<1.8	[U]	1.8	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 52	32.0	M	1.7	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 73	<1.1	[U]	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 43	<1.7	[U]	1.7	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 69/49	16.4		1.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 48	2.7	M,J	1.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 44/47/65	21.0		1.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 59/62/75	1.8	M,J,R	1.2	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 42	4.1	[J]	1.7	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 41/71/40	8.0	[J]	1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 64	9.0	[J]	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 72	<1.5	[U]	1.5	ng/kg	27-JAN-21	06-FEB-21	R5366257

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-1 EV21010106-01							
Sampled By: Client on 14-JAN-21 @ 21:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 68	<1.4	[U]	1.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 57	5.4	[J]	1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 58	<1.5	[U]	1.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 67	<1.3	[U]	1.3	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 63	<1.5	[U]	1.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 61/70/74/76	46.9		1.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 66	25.7		1.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 55	<1.5	[U]	1.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 56	10.0	M,J	1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 60	5.8	M,J	1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 80	<1.3	[U]	1.3	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 79	1.7	M,J	1.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 78	<1.6	[U]	1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 81	<2.1	[U]	2.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 77	5.1	[J]	2.2	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 104	<0.033	[U]	0.033	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 96	0.465	[J]	0.040	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 103	0.92	[J]	0.49	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 94	0.56	[J]	0.55	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 95	166		0.56	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 100/93/102/98	3.70	R	0.51	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 88/91	30.5		0.54	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 84	37.3		0.59	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 89	1.01	[J]	0.60	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 121	<0.40	[U]	0.40	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 92	35.8		0.58	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 113/90/101	144		0.46	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 83/99	108		0.58	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 112	<0.39	[U]	0.39	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 108/119/86/97/125/87	79.6	M	0.48	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 117/116/85/110/115	282		0.45	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 82	10.7	M	0.70	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 111	<0.41	[U]	0.41	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 120	0.44	J,R	0.40	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 107/124	7.13		0.15	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 109	10.9	M	0.15	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 123	4.19	M	0.16	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 106	<0.15	[U]	0.15	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 118	122		0.16	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 122	2.73		0.16	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 114	1.80		0.14	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 105	57.4		0.17	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 127	0.60	J,R	0.16	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 126	1.84	M	0.23	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 155	<0.58	[U]	0.58	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 152	<0.66	[U]	0.66	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 150	<0.64	[U]	0.64	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 136	30.8		0.68	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 145	<0.66	[U]	0.66	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 148	<0.91	[U]	0.91	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 151/135	97.3	M	0.98	ng/kg	27-JAN-21	06-FEB-21	R5366257

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-1 EV21010106-01							
Sampled By: Client on 14-JAN-21 @ 21:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 154	2.29	M,J	0.67	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 144	10.9	[J]	0.93	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 147/149	294		1.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 134/143	23.4		1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 139/140	9.4	M,J	1.3	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 131	5.3	M,J,R	1.7	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 142	<1.6	[U]	1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 132	143		1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 133	6.9	[J]	1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 165	<1.2	[U]	1.2	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 146	53.6		1.3	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 161	<1.1	[U]	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 168/153	272	M	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 141	56.2	M	1.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 130	36.0	M	1.7	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 137/164	56.5	M	1.2	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 138/163/129	495		1.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 160	<1.1	[U]	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 158	36.7		0.97	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 128/166	89.5		1.3	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 159	1.7	M,J	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 162	2.4	M,J	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 167	20.4		0.16	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 156/157	47.4		0.22	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 169	<0.21	[U]	0.21	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 188	<0.88	[U]	0.88	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 179	18.0	M	0.83	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 184	<0.76	[U]	0.76	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 176	4.70	J,R	0.85	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 186	<0.85	[U]	0.85	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 178	9.0	[J]	1.2	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 175	<1.2	[U]	1.2	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 187	45.8		1.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 182	<1.1	[U]	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 183	24.3	M	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 185	2.4	M,J	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 174	40.9	M	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 177	26.0		1.2	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 181	<1.1	[U]	1.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 171/173	14.9	[J]	1.2	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 172	8.7	M,J	1.2	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 192	<0.97	[U]	0.97	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 180/193	86.6		1.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 191	2.22	M,J	0.93	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 170	52.7		1.3	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 190	9.82	[J]	0.87	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 189	3.74		0.16	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 202	5.21		0.047	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 201	2.11		0.040	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 204	<0.041	[U]	0.041	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 197	0.439	[J]	0.039	ng/kg	27-JAN-21	03-FEB-21	R5366257

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-1 EV21010106-01							
Sampled By: Client on 14-JAN-21 @ 21:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 200	3.41		0.041	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 198/199	30.3		0.058	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 196	11.4		0.060	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 203	17.2		0.053	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 195	9.53		0.10	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 194	23.2		0.097	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 205	1.14	[J]	0.074	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 208	6.3	[J]	2.9	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 207	<2.8	[U]	2.8	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 206	15.2		0.11	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 209	20.1		0.74	ng/kg	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 1	50.0	M	5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 3	59.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 4	60.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 15	65.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 19	66.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 37	71.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 54	62.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 81	55.0	M	10-145	%	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 77	53.0		10-145	%	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 104	62.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 123	69.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 118	66.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 114	72.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 105	67.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 126	62.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 155	59.0		10-145	%	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 167	73.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 156/157	66.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 169	71.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 188	59.0		10-145	%	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 189	60.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 202	54.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 205	82.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 208	86.0		10-145	%	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 206	87.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 209	99.0		10-145	%	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 28 Cleanup	66.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 111 Cleanup	89.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 178 Cleanup	95.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Total MonoCB	4.89	[J]	0.085	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total DiCB	16.4	[J]	0.15	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total TriCB	61.1	[J]	0.053	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total TetraCB	200	[J]	0.046	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total PentaCB	1110	[J]	0.033	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total HexaCB	1790	[J]	0.16	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total HeptaCB	350	[J]	0.16	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total OctaCB	104	[J]	0.039	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total NonaCB	21.5	[J]	0.11	ng/kg	27-JAN-21	03-FEB-21	R5366257
DecaCB	20.1	[J]	0.74	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total PCB	3680	[J]	1.0	ng/kg	27-JAN-21	03-FEB-21	R5366257

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-1 EV21010106-01							
Sampled By: Client on 14-JAN-21 @ 21:00							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
Lower Bound PCB TEQ (WHO 2005)	0.192			pg/g	27-JAN-21	03-FEB-21	R5366257
Upper Bound PCB TEQ (WHO 2005)	0.199			pg/g	27-JAN-21	03-FEB-21	R5366257
Sample Size	15.7		0.010	g	27-JAN-21	03-FEB-21	R5366257
Extract Final Volume	25.0		0.10	ul	27-JAN-21	03-FEB-21	R5366257
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	0.071	M,J	0.038	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,7,8-PeCDD	0.340	M,J,R	0.027	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,4,7,8-HxCDD	0.760	M,J	0.067	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,6,7,8-HxCDD	3.88	M	0.063	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,7,8,9-HxCDD	2.37	[J]	0.066	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,4,6,7,8-HpCDD	89.3		0.64	pg/g	27-JAN-21	07-FEB-21	R5366257
OCDD	836		0.39	pg/g	27-JAN-21	07-FEB-21	R5366257
2,3,7,8-TCDF	0.574	M,J	0.061	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,7,8-PeCDF	0.223	[J]	0.063	pg/g	27-JAN-21	07-FEB-21	R5366257
2,3,4,7,8-PeCDF	0.419	[J]	0.055	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,4,7,8-HxCDF	0.931	[J]	0.062	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,6,7,8-HxCDF	0.645	[J]	0.063	pg/g	27-JAN-21	07-FEB-21	R5366257
2,3,4,6,7,8-HxCDF	1.36	EMPC	0.062	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,7,8,9-HxCDF	0.277	[J]	0.082	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,4,6,7,8-HpCDF	22.5		0.14	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,4,7,8,9-HpCDF	1.29	M,J	0.21	pg/g	27-JAN-21	07-FEB-21	R5366257
OCDF	57.0		0.10	pg/g	27-JAN-21	07-FEB-21	R5366257
Total-TCDD	2.04		0.038	pg/g	27-JAN-21	07-FEB-21	R5366257
Total TCDD # Homologues	3				27-JAN-21	07-FEB-21	R5366257
Total-PeCDD	3.47		0.027	pg/g	27-JAN-21	07-FEB-21	R5366257
Total PeCDD # Homologues	4				27-JAN-21	07-FEB-21	R5366257
Total-HxCDD	23.2		0.067	pg/g	27-JAN-21	07-FEB-21	R5366257
Total HxCDD # Homologues	5				27-JAN-21	07-FEB-21	R5366257
Total-HpCDD	165		0.64	pg/g	27-JAN-21	07-FEB-21	R5366257
Total HpCDD # Homologues	2				27-JAN-21	07-FEB-21	R5366257
Total-TCDF	3.31		0.061	pg/g	27-JAN-21	07-FEB-21	R5366257
Total TCDF # Homologues	9				27-JAN-21	07-FEB-21	R5366257
Total-PeCDF	10.4		0.063	pg/g	27-JAN-21	07-FEB-21	R5366257
Total PeCDF # Homologues	7				27-JAN-21	07-FEB-21	R5366257
Total-HxCDF	27.5		0.082	pg/g	27-JAN-21	07-FEB-21	R5366257
Total HxCDF # Homologues	7				27-JAN-21	07-FEB-21	R5366257
Total-HpCDF	67.2		0.21	pg/g	27-JAN-21	07-FEB-21	R5366257
Total HpCDF # Homologues	3				27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-2,3,7,8-TCDD	66.0		25-164	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,7,8-PeCDD	57.0		25-181	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	67.0	M	32-141	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	62.0	M	28-130	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	57.0		23-140	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-OCDD	66.0		17-157	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-2,3,7,8-TCDF	59.0		24-169	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,7,8-PeCDF	52.0		24-185	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-2,3,4,7,8-PeCDF	52.0		21-178	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	53.0		26-152	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	60.0		26-123	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	61.0		29-147	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	57.0		28-136	%	27-JAN-21	07-FEB-21	R5366257

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-1 EV21010106-01 Sampled By: Client on 14-JAN-21 @ 21:00 Matrix: Soil							
Dioxins and Furans HR 1613B							
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	54.0		28-143	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	49.0		26-138	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	58.0		35-197	%	27-JAN-21	07-FEB-21	R5366257
Lower Bound PCDD/F TEQ (WHO 2005)	2.68			pg/g	27-JAN-21	07-FEB-21	R5366257
Mid Point PCDD/F TEQ (WHO 2005)	3.02			pg/g	27-JAN-21	07-FEB-21	R5366257
Upper Bound PCDD/F TEQ (WHO 2005)	3.02			pg/g	27-JAN-21	07-FEB-21	R5366257
L2549469-2 EV21010106-02 Sampled By: Client on 14-JAN-21 @ 21:20 Matrix: Soil							
Miscellaneous Parameters							
% Moisture	48.2		0.10	%	27-JAN-21	28-JAN-21	R5359139
PCB Congeners short run SPB-Octyl Column							
PCB 1	2.00	J,R	0.20	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 2	1.70	J,R	0.16	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 3	3.80		0.12	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 4	3.58		0.43	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 10	<0.26	[U]	0.26	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 9	<0.30	[U]	0.30	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 7	0.50	[J]	0.26	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 6	1.92	M,J	0.27	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 5	<0.34	[U]	0.34	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 8	9.25		0.23	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 14	<0.56	[U]	0.56	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 11	5.47	[B]	0.59	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 13/12	1.79	M,J	0.56	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 15	17.9		0.59	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 19	2.03	[J]	0.23	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 30/18	13.7		0.23	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 17	6.23		0.28	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 27	0.99	[J]	0.21	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 24	<0.21	M,U	0.21	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 16	5.68	M	0.29	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 32	4.75		0.19	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 34	<0.78	[U]	0.78	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 23	<0.63	[U]	0.63	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 29/26	5.28		0.67	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 25	2.67		0.58	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 31	32.1		0.61	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 28/20	35.3		0.66	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 21/33	13.8		0.59	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 22	10.5		0.66	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 36	9.36		0.66	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 39	<0.68	[U]	0.68	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 38	<0.67	[U]	0.67	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 35	1.50	M,J	0.69	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 37	28.9		0.89	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 54	<0.14	[U]	0.14	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 50/53	24.1		0.23	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 45/51	7.81		0.24	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 46	2.56		0.26	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 52	1780		0.26	ng/kg	27-JAN-21	03-FEB-21	R5366257

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-2 EV21010106-02							
Sampled By: Client on 14-JAN-21 @ 21:20							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 73	<0.17	[U]	0.17	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 43	<0.27	[U]	0.27	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 69/49	381		0.21	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 48	12.7		0.23	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 44/47/65	364		0.22	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 59/62/75	7.78		0.18	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 42	33.8		0.25	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 41/71/40	54.3		0.25	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 64	151		0.17	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 72	3.8		1.4	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 68	2.1	[J]	1.3	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 57	374		1.6	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 58	<1.5	[U]	1.5	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 67	6.7		1.2	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 63	8.4	R	1.4	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 61/70/74/76	1260		1.4	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 66	451		1.4	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 55	<1.4	[U]	1.4	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 56	108		1.6	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 60	172		1.5	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 80	<1.3	[U]	1.3	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 79	261		1.4	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 78	109		1.6	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 81	<1.8	[U]	1.8	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 77	92.0		1.5	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 104	<0.14	[U]	0.14	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 96	12.0		0.14	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 103	66.5		1.2	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 94	21.6		1.3	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 95	11200		1.3	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 100/93/102/98	247		1.2	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 88/91	2620		1.3	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 84	1570		1.4	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 89	32.8		1.4	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 121	<0.94	[U]	0.94	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 92	4040		1.4	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 113/90/101	19200		1.1	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 83/99	9190		1.4	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 112	<0.92	[U]	0.92	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 108/119/86/97/125/87	9880	M	1.1	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 117/116/85/110/115	33500	M	1.1	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 82	1500		1.7	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 111	<0.97	[U]	0.97	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 120	<0.96	[U]	0.96	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 107/124	1020		0.97	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 109	804	M	0.94	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 123	444	M	1.0	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 106	<0.98	[U]	0.98	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 118	11700		0.93	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 122	286		1.1	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 114	142		1.0	ng/kg	27-JAN-21	03-FEB-21	R5366257

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-2 EV21010106-02							
Sampled By: Client on 14-JAN-21 @ 21:20							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 105	4800		0.97	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 127	63.7	M	1.0	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 126	108	M	1.4	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 155	<0.96	[U]	0.96	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 152	16.9	M,J	1.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 150	19.0	M,J	0.98	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 136	1710		1.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 145	7.7	J,R	1.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 148	14.4	[J]	1.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 151/135	6570	M	1.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 154	81.3	M	1.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 144	825		1.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 147/149	18500		6.2	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 134/143	1280		7.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 139/140	592		6.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 131	408		8.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 142	<7.3	[U]	7.3	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 132	9990		7.3	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 133	411		7.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 165	9.7	M,J,R	5.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 146	3560		6.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 161	<5.0	[U]	5.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 168/153	20400		5.2	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 141	4730		6.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 130	2210		8.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 137/164	4330	M	5.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 138/163/129	37200		6.7	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 160	<4.8	[U]	4.8	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 158	2760		4.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 128/166	6920		5.8	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 159	63.0		5.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 162	109		5.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 167	1590		1.6	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 156/157	3830		2.3	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 169	<2.1	[U]	2.1	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 188	3.0	J,R	1.8	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 179	735		1.8	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 184	3.3	M,J,R	1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 176	231		1.8	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 186	<1.8	[U]	1.8	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 178	385		2.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 175	83.8		2.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 187	2070		2.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 182	<2.3	[U]	2.3	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 183	1110		2.3	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 185	128	M	2.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 174	2190	M	2.3	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 177	1270		2.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 181	72.4		2.4	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 171/173	846		2.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 172	406		2.6	ng/kg	27-JAN-21	06-FEB-21	R5366257

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-2 EV21010106-02							
Sampled By: Client on 14-JAN-21 @ 21:20							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
PCB 192	<2.1	[U]	2.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 180/193	4550		2.1	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 191	107		2.0	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 170	2960		2.8	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 190	511		1.8	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 189	211	M	0.69	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 202	142		0.21	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 201	51.3		0.19	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 204	<0.19	[U]	0.19	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 197	10.9		0.18	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 200	89.5		0.19	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 198/199	875		0.28	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 196	295		0.28	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 203	542		0.25	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 195	286		0.55	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 194	698		0.53	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 205	33.6		0.42	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 208	129		1.5	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 207	46.7		1.6	ng/kg	27-JAN-21	06-FEB-21	R5366257
PCB 206	378		0.69	ng/kg	27-JAN-21	03-FEB-21	R5366257
PCB 209	91.9		0.62	ng/kg	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 1	44.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 3	55.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 4	53.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 15	53.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 19	54.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 37	60.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 54	48.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 81	57.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 77	63.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 104	51.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 123	61.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 118	60.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 114	56.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 105	59.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 126	57.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 155	54.0		10-145	%	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 167	64.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 156/157	59.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 169	65.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 188	48.0		10-145	%	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 189	54.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 202	52.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 205	69.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 208	71.0		10-145	%	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 206	78.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 209	83.0		10-145	%	27-JAN-21	06-FEB-21	R5366257
Surrogate: 13C12 PCB 28 Cleanup	54.0		5-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 111 Cleanup	75.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Surrogate: 13C12 PCB 178 Cleanup	80.0		10-145	%	27-JAN-21	03-FEB-21	R5366257
Total MonoCB	7.50	[J]	0.12	ng/kg	27-JAN-21	03-FEB-21	R5366257

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-2 EV21010106-02							
Sampled By: Client on 14-JAN-21 @ 21:20							
Matrix: Soil							
PCB Congeners short run SPB-Octyl Column							
Total DiCB	40.4	[J]	0.23	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total TriCB	173	[J]	0.19	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total TetraCB	5670	[J]	0.14	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total PentaCB	112000	[J]	0.14	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total HexaCB	128000	[J]	0.96	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total HeptaCB	17900	[J]	0.69	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total OctaCB	3020	[J]	0.18	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total NonaCB	554	[J]	0.69	ng/kg	27-JAN-21	03-FEB-21	R5366257
DecaCB	91.9	[J]	0.62	ng/kg	27-JAN-21	03-FEB-21	R5366257
Total PCB	268000	[J]	1.0	ng/kg	27-JAN-21	03-FEB-21	R5366257
Lower Bound PCB TEQ (WHO 2005)	11.5			pg/g	27-JAN-21	03-FEB-21	R5366257
Upper Bound PCB TEQ (WHO 2005)	11.6			pg/g	27-JAN-21	03-FEB-21	R5366257
Sample Size	10.5		0.010	g	27-JAN-21	03-FEB-21	R5366257
Extract Final Volume	25.0		0.10	ul	27-JAN-21	03-FEB-21	R5366257
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	0.453	[J]	0.072	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,7,8-PeCDD	5.14		0.088	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,4,7,8-HxCDD	9.72	M	0.28	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,6,7,8-HxCDD	98.1	M	0.28	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,7,8,9-HxCDD	23.2		0.29	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,4,6,7,8-HpCDD	1080		0.89	pg/g	27-JAN-21	07-FEB-21	R5366257
OCDD	6440		0.84	pg/g	27-JAN-21	07-FEB-21	R5366257
2,3,7,8-TCDF	4.17	M	0.18	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,7,8-PeCDF	3.03	[J]	0.13	pg/g	27-JAN-21	07-FEB-21	R5366257
2,3,4,7,8-PeCDF	7.44		0.11	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,4,7,8-HxCDF	8.76		0.35	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,6,7,8-HxCDF	7.90		0.33	pg/g	27-JAN-21	07-FEB-21	R5366257
2,3,4,6,7,8-HxCDF	19.1	EMPC	0.32	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,7,8,9-HxCDF	3.32	[J]	0.38	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,4,6,7,8-HpCDF	425		0.51	pg/g	27-JAN-21	07-FEB-21	R5366257
1,2,3,4,7,8,9-HpCDF	11.9	M	0.77	pg/g	27-JAN-21	07-FEB-21	R5366257
OCDF	377		0.27	pg/g	27-JAN-21	07-FEB-21	R5366257
Total-TCDD	11.9		0.072	pg/g	27-JAN-21	07-FEB-21	R5366257
Total TCDD # Homologues	10				27-JAN-21	07-FEB-21	R5366257
Total-PeCDD	39.6		0.088	pg/g	27-JAN-21	07-FEB-21	R5366257
Total PeCDD # Homologues	7				27-JAN-21	07-FEB-21	R5366257
Total-HxCDD	428		0.29	pg/g	27-JAN-21	07-FEB-21	R5366257
Total HxCDD # Homologues	6				27-JAN-21	07-FEB-21	R5366257
Total-HpCDD	1900		0.89	pg/g	27-JAN-21	07-FEB-21	R5366257
Total HpCDD # Homologues	2				27-JAN-21	07-FEB-21	R5366257
Total-TCDF	28.0		0.18	pg/g	27-JAN-21	07-FEB-21	R5366257
Total TCDF # Homologues	11				27-JAN-21	07-FEB-21	R5366257
Total-PeCDF	301		0.13	pg/g	27-JAN-21	07-FEB-21	R5366257
Total PeCDF # Homologues	11				27-JAN-21	07-FEB-21	R5366257
Total-HxCDF	335		0.38	pg/g	27-JAN-21	07-FEB-21	R5366257
Total HxCDF # Homologues	7				27-JAN-21	07-FEB-21	R5366257
Total-HpCDF	1050		0.77	pg/g	27-JAN-21	07-FEB-21	R5366257
Total HpCDF # Homologues	3				27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-2,3,7,8-TCDD	75.0		25-164	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,7,8-PeCDD	64.0		25-181	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	81.0		32-141	%	27-JAN-21	07-FEB-21	R5366257

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-2 EV21010106-02 Sampled By: Client on 14-JAN-21 @ 21:20 Matrix: Soil							
Dioxins and Furans HR 1613B							
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	77.0		28-130	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	77.0		23-140	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-OCDD	98.0		17-157	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-2,3,7,8-TCDF	65.0		24-169	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,7,8-PeCDF	60.0		24-185	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-2,3,4,7,8-PeCDF	61.0		21-178	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	69.0		26-152	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	68.0		26-123	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	75.0		29-147	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	71.0		28-136	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	72.0		28-143	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	64.0		26-138	%	27-JAN-21	07-FEB-21	R5366257
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	85.0		35-197	%	27-JAN-21	07-FEB-21	R5366257
Lower Bound PCDD/F TEQ (WHO 2005)	42.6			pg/g	27-JAN-21	07-FEB-21	R5366257
Mid Point PCDD/F TEQ (WHO 2005)	42.6			pg/g	27-JAN-21	07-FEB-21	R5366257
Upper Bound PCDD/F TEQ (WHO 2005)	42.6			pg/g	27-JAN-21	07-FEB-21	R5366257
L2549469-3 EV21010106-03 Sampled By: Client on 14-JAN-21 @ 21:50 Matrix: Soil							
Miscellaneous Parameters							
% Moisture	53.7		0.10	%	27-JAN-21	28-JAN-21	R5359139
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	<0.10	[U]	0.10	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8-PeCDD	1.10	[J]	0.22	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8-HxCDD	1.17	M,J	0.33	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,6,7,8-HxCDD	15.2	M	0.31	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8,9-HxCDD	3.79	M,J	0.33	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,6,7,8-HpCDD	156		1.1	pg/g	27-JAN-21	01-FEB-21	R5360521
OCDD	1120		1.2	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,7,8-TCDF	1.14		0.17	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8-PeCDF	0.37	J,R	0.27	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,4,7,8-PeCDF	0.96	M,J,R	0.23	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8-HxCDF	1.35	[J]	0.25	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,6,7,8-HxCDF	1.89	[J]	0.24	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,4,6,7,8-HxCDF	2.30	EMPC	0.27	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8,9-HxCDF	0.55	M,J,R	0.34	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,6,7,8-HpCDF	39.5		0.43	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8,9-HpCDF	2.31	[J]	0.57	pg/g	27-JAN-21	01-FEB-21	R5360521
OCDF	65.6		0.33	pg/g	27-JAN-21	01-FEB-21	R5360521
Total-TCDD	2.66		0.10	pg/g	27-JAN-21	01-FEB-21	R5360521
Total TCDD # Homologues	5				27-JAN-21	01-FEB-21	R5360521
Total-PeCDD	6.25		0.22	pg/g	27-JAN-21	01-FEB-21	R5360521
Total PeCDD # Homologues	5				27-JAN-21	01-FEB-21	R5360521
Total-HxCDD	53.4		0.33	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HxCDD # Homologues	7				27-JAN-21	01-FEB-21	R5360521
Total-HpCDD	268		1.1	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HpCDD # Homologues	2				27-JAN-21	01-FEB-21	R5360521
Total-TCDF	17.7		0.17	pg/g	27-JAN-21	01-FEB-21	R5360521
Total TCDF # Homologues	17				27-JAN-21	01-FEB-21	R5360521
Total-PeCDF	23.5		0.27	pg/g	27-JAN-21	01-FEB-21	R5360521
Total PeCDF # Homologues	8				27-JAN-21	01-FEB-21	R5360521

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-3 EV21010106-03							
Sampled By: Client on 14-JAN-21 @ 21:50							
Matrix: Soil							
Dioxins and Furans HR 1613B							
Total-HxCDF	51.8		0.34	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HxCDF # Homologues	5				27-JAN-21	01-FEB-21	R5360521
Total-HpCDF	104		0.57	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HpCDF # Homologues	3				27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,7,8-TCDD	80.0		25-164	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8-PeCDD	66.0		25-181	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	77.0		32-141	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	81.0		28-130	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	70.0		23-140	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-OCDD	71.0		17-157	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,7,8-TCDF	79.0		24-169	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8-PeCDF	72.0		24-185	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,4,7,8-PeCDF	69.0		21-178	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	81.0		26-152	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	85.0		26-123	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	82.0		29-147	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	78.0		28-136	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	67.0		28-143	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	68.0		26-138	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	76.0		35-197	%	27-JAN-21	01-FEB-21	R5360521
Lower Bound PCDD/F TEQ (WHO 2005)	5.89			pg/g	27-JAN-21	01-FEB-21	R5360521
Mid Point PCDD/F TEQ (WHO 2005)	6.52			pg/g	27-JAN-21	01-FEB-21	R5360521
Upper Bound PCDD/F TEQ (WHO 2005)	6.57			pg/g	27-JAN-21	01-FEB-21	R5360521
L2549469-4 EV21010106-04							
Sampled By: Client on 14-JAN-21 @ 23:10							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	35.8		0.10	%	27-JAN-21	28-JAN-21	R5359139
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	0.366	M,J	0.044	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8-PeCDD	0.900	[J]	0.099	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8-HxCDD	0.71	M,J	0.16	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,6,7,8-HxCDD	7.90	M	0.16	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8,9-HxCDD	2.45	M,J	0.16	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,6,7,8-HpCDD	99.7		0.42	pg/g	27-JAN-21	01-FEB-21	R5360521
OCDD	812		0.66	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,7,8-TCDF	0.83	M	0.22	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8-PeCDF	0.470	M,J,R	0.091	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,4,7,8-PeCDF	1.16	[J]	0.075	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8-HxCDF	1.51	[J]	0.11	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,6,7,8-HxCDF	1.03	M,J	0.10	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,4,6,7,8-HxCDF	1.78	EMPC	0.11	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8,9-HxCDF	0.38	M,J	0.13	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,6,7,8-HpCDF	28.3		0.18	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8,9-HpCDF	1.32	[J]	0.28	pg/g	27-JAN-21	01-FEB-21	R5360521
OCDF	48.1		0.20	pg/g	27-JAN-21	01-FEB-21	R5360521
Total-TCDD	4.96		0.044	pg/g	27-JAN-21	01-FEB-21	R5360521
Total TCDD # Homologues	6				27-JAN-21	01-FEB-21	R5360521
Total-PeCDD	9.71		0.099	pg/g	27-JAN-21	01-FEB-21	R5360521
Total PeCDD # Homologues	7				27-JAN-21	01-FEB-21	R5360521
Total-HxCDD	47.0		0.16	pg/g	27-JAN-21	01-FEB-21	R5360521

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-4 EV21010106-04							
Sampled By: Client on 14-JAN-21 @ 23:10							
Matrix: Soil							
Dioxins and Furans HR 1613B							
Total HxCDD # Homologues	8				27-JAN-21	01-FEB-21	R5360521
Total-HpCDD	188		0.42	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HpCDD # Homologues	2				27-JAN-21	01-FEB-21	R5360521
Total-TCDF	8.62		0.22	pg/g	27-JAN-21	01-FEB-21	R5360521
Total TCDF # Homologues	10				27-JAN-21	01-FEB-21	R5360521
Total-PeCDF	18.7		0.091	pg/g	27-JAN-21	01-FEB-21	R5360521
Total PeCDF # Homologues	8				27-JAN-21	01-FEB-21	R5360521
Total-HxCDF	45.0		0.13	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HxCDF # Homologues	7				27-JAN-21	01-FEB-21	R5360521
Total-HpCDF	72.8		0.28	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HpCDF # Homologues	3				27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,7,8-TCDD	82.0		25-164	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8-PeCDD	79.0		25-181	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	81.0		32-141	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	80.0		28-130	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	73.0		23-140	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-OCDD	63.0		17-157	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,7,8-TCDF	78.0		24-169	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8-PeCDF	83.0		24-185	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,4,7,8-PeCDF	84.0		21-178	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	79.0		26-152	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	86.0		26-123	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	85.0		29-147	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	84.0		28-136	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	74.0		28-143	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	65.0		26-138	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	81.0		35-197	%	27-JAN-21	01-FEB-21	R5360521
Lower Bound PCDD/F TEQ (WHO 2005)	4.82			pg/g	27-JAN-21	01-FEB-21	R5360521
Mid Point PCDD/F TEQ (WHO 2005)	4.84			pg/g	27-JAN-21	01-FEB-21	R5360521
Upper Bound PCDD/F TEQ (WHO 2005)	4.84			pg/g	27-JAN-21	01-FEB-21	R5360521
L2549469-5 EV21010106-05							
Sampled By: Client on 14-JAN-21 @ 22:15							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	30.9		0.10	%	27-JAN-21	28-JAN-21	R5359139
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	0.287	[J]	0.077	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8-PeCDD	0.510	M,J	0.032	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8-HxCDD	0.55	[J]	0.14	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,6,7,8-HxCDD	3.39	[J]	0.12	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8,9-HxCDD	1.75	M,J	0.13	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,6,7,8-HpCDD	70.0		0.32	pg/g	27-JAN-21	01-FEB-21	R5360521
OCDD	676		0.33	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,7,8-TCDF	0.66	[J]	0.13	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8-PeCDF	0.352	[J]	0.088	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,4,7,8-PeCDF	0.872	[J]	0.073	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8-HxCDF	0.807	[J]	0.063	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,6,7,8-HxCDF	0.776	[J]	0.062	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,4,6,7,8-HxCDF	1.24	EMPC	0.060	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8,9-HxCDF	0.300	M,J,R	0.070	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,6,7,8-HpCDF	13.5		0.10	pg/g	27-JAN-21	01-FEB-21	R5360521

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-5 EV21010106-05							
Sampled By: Client on 14-JAN-21 @ 22:15							
Matrix: Soil							
Dioxins and Furans HR 1613B							
1,2,3,4,7,8,9-HpCDF	0.73	M,J	0.16	pg/g	27-JAN-21	01-FEB-21	R5360521
OCDF	36.5		0.13	pg/g	27-JAN-21	01-FEB-21	R5360521
Total-TCDD	2.95		0.077	pg/g	27-JAN-21	01-FEB-21	R5360521
Total TCDD # Homologues	6				27-JAN-21	01-FEB-21	R5360521
Total-PeCDD	6.16		0.032	pg/g	27-JAN-21	01-FEB-21	R5360521
Total PeCDD # Homologues	5				27-JAN-21	01-FEB-21	R5360521
Total-HxCDD	35.2		0.14	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HxCDD # Homologues	8				27-JAN-21	01-FEB-21	R5360521
Total-HpCDD	137		0.32	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HpCDD # Homologues	2				27-JAN-21	01-FEB-21	R5360521
Total-TCDF	7.14		0.13	pg/g	27-JAN-21	01-FEB-21	R5360521
Total TCDF # Homologues	9				27-JAN-21	01-FEB-21	R5360521
Total-PeCDF	14.0		0.088	pg/g	27-JAN-21	01-FEB-21	R5360521
Total PeCDF # Homologues	8				27-JAN-21	01-FEB-21	R5360521
Total-HxCDF	21.1		0.070	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HxCDF # Homologues	8				27-JAN-21	01-FEB-21	R5360521
Total-HpCDF	38.4		0.16	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HpCDF # Homologues	3				27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,7,8-TCDD	68.0		25-164	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8-PeCDD	84.0		25-181	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	76.0	R	32-141	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	79.0		28-130	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	82.0		23-140	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-OCDD	93.0		17-157	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,7,8-TCDF	60.0		24-169	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8-PeCDF	85.0		24-185	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,4,7,8-PeCDF	87.0		21-178	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	73.0		26-152	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	77.0		26-123	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	81.0		29-147	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	81.0		28-136	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	80.0		28-143	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	76.0		26-138	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	62.0		35-197	%	27-JAN-21	01-FEB-21	R5360521
Lower Bound PCDD/F TEQ (WHO 2005)	3.04			pg/g	27-JAN-21	01-FEB-21	R5360521
Mid Point PCDD/F TEQ (WHO 2005)	3.07			pg/g	27-JAN-21	01-FEB-21	R5360521
Upper Bound PCDD/F TEQ (WHO 2005)	3.07			pg/g	27-JAN-21	01-FEB-21	R5360521
L2549469-6 EV21010106-06							
Sampled By: Client on 14-JAN-21 @ 23:30							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	20.7		0.10	%	27-JAN-21	28-JAN-21	R5359139
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	0.40	M,J	0.11	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8-PeCDD	1.09	M,J	0.088	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8-HxCDD	1.65	[J]	0.15	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,6,7,8-HxCDD	2.03	[J]	0.13	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8,9-HxCDD	2.66	M,J	0.14	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,6,7,8-HpCDD	12.9		0.39	pg/g	27-JAN-21	01-FEB-21	R5360521
OCDD	33.3		0.21	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,7,8-TCDF	2.32		0.44	pg/g	27-JAN-21	01-FEB-21	R5360521

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-6 EV21010106-06 Sampled By: Client on 14-JAN-21 @ 23:30 Matrix: Soil							
Dioxins and Furans HR 1613B							
1,2,3,7,8-PeCDF	0.90	M,J,R	0.17	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,4,7,8-PeCDF	1.63	[J]	0.15	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8-HxCDF	0.61	M,J,R	0.14	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,6,7,8-HxCDF	0.75	EMPC	0.14	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,4,6,7,8-HxCDF	0.87	[J]	0.15	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8,9-HxCDF	<0.18	[U]	0.18	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,6,7,8-HpCDF	1.42	M,J	0.074	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8,9-HpCDF	0.15	M,J,R	0.11	pg/g	27-JAN-21	01-FEB-21	R5360521
OCDF	1.25	[J]	0.084	pg/g	27-JAN-21	01-FEB-21	R5360521
Total-TCDD	90.0		0.11	pg/g	27-JAN-21	01-FEB-21	R5360521
Total TCDD # Homologues	8				27-JAN-21	01-FEB-21	R5360521
Total-PeCDD	62.9		0.088	pg/g	27-JAN-21	01-FEB-21	R5360521
Total PeCDD # Homologues	4				27-JAN-21	01-FEB-21	R5360521
Total-HxCDD	125		0.15	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HxCDD # Homologues	6				27-JAN-21	01-FEB-21	R5360521
Total-HpCDD	23.5		0.39	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HpCDD # Homologues	2				27-JAN-21	01-FEB-21	R5360521
Total-TCDF	41.3		0.44	pg/g	27-JAN-21	01-FEB-21	R5360521
Total TCDF # Homologues	12				27-JAN-21	01-FEB-21	R5360521
Total-PeCDF	23.1		0.17	pg/g	27-JAN-21	01-FEB-21	R5360521
Total PeCDF # Homologues	6				27-JAN-21	01-FEB-21	R5360521
Total-HxCDF	6.16		0.18	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HxCDF # Homologues	3				27-JAN-21	01-FEB-21	R5360521
Total-HpCDF	2.60		0.11	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HpCDF # Homologues	2				27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,7,8-TCDD	58.0		25-164	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8-PeCDD	62.0		25-181	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	76.0		32-141	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	90.0		28-130	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	77.0		23-140	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-OCDD	82.0		17-157	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,7,8-TCDF	51.0		24-169	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8-PeCDF	70.0		24-185	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,4,7,8-PeCDF	64.0		21-178	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	84.0		26-152	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	93.0		26-123	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	92.0		29-147	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	90.0		28-136	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	79.0		28-143	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	76.0		26-138	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	48.0		35-197	%	27-JAN-21	01-FEB-21	R5360521
Lower Bound PCDD/F TEQ (WHO 2005)	3.09			pg/g	27-JAN-21	01-FEB-21	R5360521
Mid Point PCDD/F TEQ (WHO 2005)	3.26			pg/g	27-JAN-21	01-FEB-21	R5360521
Upper Bound PCDD/F TEQ (WHO 2005)	3.27			pg/g	27-JAN-21	01-FEB-21	R5360521
L2549469-7 EV21010106-07 Sampled By: Client on 14-JAN-21 @ 23:50 Matrix: Soil							
Miscellaneous Parameters							
% Moisture	15.0		0.10	%	27-JAN-21	28-JAN-21	R5359139
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	0.240	M,J,R	0.050	pg/g	27-JAN-21	01-FEB-21	R5360521

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2549469-7 EV21010106-07							
Sampled By: Client on 14-JAN-21 @ 23:50							
Matrix: Soil							
Dioxins and Furans HR 1613B							
1,2,3,7,8-PeCDD	0.330	M,J,R	0.068	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8-HxCDD	0.68	M,J,R	0.12	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,6,7,8-HxCDD	2.84	[J]	0.11	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8,9-HxCDD	1.43	[J]	0.12	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,6,7,8-HpCDD	90.0		0.46	pg/g	27-JAN-21	01-FEB-21	R5360521
OCDD	882		1.0	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,7,8-TCDF	0.471	[J]	0.096	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8-PeCDF	0.22	J,R	0.11	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,4,7,8-PeCDF	0.894	[J]	0.096	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8-HxCDF	0.77	M,J	0.14	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,6,7,8-HxCDF	0.67	M,J,R	0.14	pg/g	27-JAN-21	01-FEB-21	R5360521
2,3,4,6,7,8-HxCDF	1.10	EMPC	0.16	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,7,8,9-HxCDF	0.23	[J]	0.20	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,6,7,8-HpCDF	9.97		0.20	pg/g	27-JAN-21	01-FEB-21	R5360521
1,2,3,4,7,8,9-HpCDF	0.59	M,J	0.31	pg/g	27-JAN-21	01-FEB-21	R5360521
OCDF	27.1		0.16	pg/g	27-JAN-21	01-FEB-21	R5360521
Total-TCDD	3.14		0.050	pg/g	27-JAN-21	01-FEB-21	R5360521
Total TCDD # Homologues	6				27-JAN-21	01-FEB-21	R5360521
Total-PeCDD	5.82		0.068	pg/g	27-JAN-21	01-FEB-21	R5360521
Total PeCDD # Homologues	5				27-JAN-21	01-FEB-21	R5360521
Total-HxCDD	33.4		0.12	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HxCDD # Homologues	5				27-JAN-21	01-FEB-21	R5360521
Total-HpCDD	278		0.46	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HpCDD # Homologues	2				27-JAN-21	01-FEB-21	R5360521
Total-TCDF	5.94		0.096	pg/g	27-JAN-21	01-FEB-21	R5360521
Total TCDF # Homologues	11				27-JAN-21	01-FEB-21	R5360521
Total-PeCDF	10.7		0.11	pg/g	27-JAN-21	01-FEB-21	R5360521
Total PeCDF # Homologues	5				27-JAN-21	01-FEB-21	R5360521
Total-HxCDF	16.5		0.20	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HxCDF # Homologues	8				27-JAN-21	01-FEB-21	R5360521
Total-HpCDF	28.1		0.31	pg/g	27-JAN-21	01-FEB-21	R5360521
Total HpCDF # Homologues	3				27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,7,8-TCDD	99.0		25-164	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8-PeCDD	68.0		25-181	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	88.0		32-141	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	100.0		28-130	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	68.0		23-140	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-OCDD	61.0		17-157	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,7,8-TCDF	95.0		24-169	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8-PeCDF	81.0		24-185	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,4,7,8-PeCDF	72.0		21-178	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	96.0		26-152	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	103.0		26-123	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	99.0		29-147	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	94.0		28-136	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	74.0		28-143	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	66.0		26-138	%	27-JAN-21	01-FEB-21	R5360521
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	88.0		35-197	%	27-JAN-21	01-FEB-21	R5360521
Lower Bound PCDD/F TEQ (WHO 2005)	2.12			pg/g	27-JAN-21	01-FEB-21	R5360521
Mid Point PCDD/F TEQ (WHO 2005)	2.94			pg/g	27-JAN-21	01-FEB-21	R5360521
Upper Bound PCDD/F TEQ (WHO 2005)	2.94			pg/g	27-JAN-21	01-FEB-21	R5360521

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
EMPC	Estimated Maximum Possible Concentration. Parameter detected but didn't meet all criteria for positive identification.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M	A peak has been manually integrated.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
R	The ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
[B]	The analyte was detected in the Method Blank at >10% of the sample concentration.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DX-1613B-HRMS-BU	Soil	Dioxins and Furans HR 1613B	USEPA 1613B
Samples are extracted by Soxhlet. The extracts are prepared using column chromatography, reduced in volume and analyzed by isotope-dilution GC/HRMS			
MOISTURE-BU	Soil	% Moisture	CCME PHC in Soil - Tier 1 (mod)
This method is used to determine the percent moisture in a sample. Samples are homogenized, moisture is removed by heating at 105°C until constant mass is achieved. The residues are measured gravimetrically and the difference in weight between the wet sample and the dried sample is used to determine the moisture content. This percent moisture can be used, in conjunction with analytical results, to report data on a dry weight basis.			
PCB-1668-OC2-HRMS-BU	Soil	PCB Congeners short run SPB-Octyl Column	EPA 1668A

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample
 mg/kg wwt - milligrams per kilogram based on wet weight of sample
 mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
 mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2549469

Report Date: 09-FEB-21

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Client: ALS Environmental - Everett
 8620 Holly Drive, Suite 100
 Everett WA 98208

Contact: Glen Perry

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU								
	Soil							
Batch	R5366257							
WG3475409-4	DUP	L2549469-1						
2,3,7,8-TCDD		0.071	0.066		pg/g	7.9	50	07-FEB-21
1,2,3,7,8-PeCDD		0.340	0.450		pg/g	28	50	07-FEB-21
1,2,3,4,7,8-HxCDD		0.760	0.991		pg/g	26	50	07-FEB-21
1,2,3,6,7,8-HxCDD		3.88	4.89		pg/g	23	50	07-FEB-21
1,2,3,7,8,9-HxCDD		2.37	2.83		pg/g	18	50	07-FEB-21
1,2,3,4,6,7,8-HpCDD		89.3	113		pg/g	23	50	07-FEB-21
OCDD		836	1190		pg/g	35	50	07-FEB-21
2,3,7,8-TCDF		0.574	0.555		pg/g	3.4	50	07-FEB-21
1,2,3,7,8-PeCDF		0.223	0.337		pg/g	41	50	07-FEB-21
2,3,4,7,8-PeCDF		0.419	0.565		pg/g	30	50	07-FEB-21
1,2,3,4,7,8-HxCDF		0.931	0.829		pg/g	12	50	07-FEB-21
1,2,3,6,7,8-HxCDF		0.645	0.862		pg/g	29	50	07-FEB-21
2,3,4,6,7,8-HxCDF		1.36	1.70		pg/g	22	50	07-FEB-21
1,2,3,7,8,9-HxCDF		0.277	0.353		pg/g	24	50	07-FEB-21
1,2,3,4,6,7,8-HpCDF		22.5	27.9		pg/g	21	50	07-FEB-21
1,2,3,4,7,8,9-HpCDF		1.29	1.42		pg/g	9.6	50	07-FEB-21
OCDF		57.0	67.6		pg/g	17	50	07-FEB-21
Total-TCDD		2.04	2.04		pg/g	0.0	50	07-FEB-21
Total-PeCDD		3.47	3.38		pg/g	2.6	50	07-FEB-21
Total-HxCDD		23.2	29.5		pg/g	24	50	07-FEB-21
Total-HpCDD		165	210		pg/g	24	50	07-FEB-21
Total-TCDF		3.31	4.99		pg/g	40	50	07-FEB-21
Total-PeCDF		10.4	13.0		pg/g	22	50	07-FEB-21
Total-HxCDF		27.5	32.5		pg/g	17	50	07-FEB-21
Total-HpCDF		67.2	81.7		pg/g	19	50	07-FEB-21
WG3475409-2	LCS							
2,3,7,8-TCDD			79.0		%		67-158	07-FEB-21
1,2,3,7,8-PeCDD			97.0		%		70-142	07-FEB-21
1,2,3,4,7,8-HxCDD			94.0		%		70-164	07-FEB-21
1,2,3,6,7,8-HxCDD			85.0		%		76-134	07-FEB-21
1,2,3,7,8,9-HxCDD			99.0		%		64-162	07-FEB-21
1,2,3,4,6,7,8-HpCDD			92.0		%		70-140	07-FEB-21
OCDD			89.0		%		78-144	07-FEB-21
2,3,7,8-TCDF			82.0		%		75-158	07-FEB-21



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5366257							
WG3475409-2		LCS						
1,2,3,7,8-PeCDF			85.0		%		80-134	07-FEB-21
2,3,4,7,8-PeCDF			76.0		%		68-160	07-FEB-21
1,2,3,4,7,8-HxCDF			84.0		%		72-134	07-FEB-21
1,2,3,6,7,8-HxCDF			88.0		%		84-130	07-FEB-21
2,3,4,6,7,8-HxCDF			86.0		%		70-156	07-FEB-21
1,2,3,7,8,9-HxCDF			87.0		%		78-130	07-FEB-21
1,2,3,4,6,7,8-HpCDF			93.0		%		82-122	07-FEB-21
1,2,3,4,7,8,9-HpCDF			91.0		%		78-138	07-FEB-21
OCDF			72.0		%		63-170	07-FEB-21
WG3475409-1		MB						
2,3,7,8-TCDD			<0.016	[U]	pg/g		0.016	07-FEB-21
1,2,3,7,8-PeCDD			<0.014	[U]	pg/g		0.014	07-FEB-21
1,2,3,4,7,8-HxCDD			<0.024	[U]	pg/g		0.024	07-FEB-21
1,2,3,6,7,8-HxCDD			<0.023	[U]	pg/g		0.023	07-FEB-21
1,2,3,7,8,9-HxCDD			<0.024	[U]	pg/g		0.024	07-FEB-21
1,2,3,4,6,7,8-HpCDD			0.081	[J]	pg/g		0.039	07-FEB-21
OCDD			0.170	J,R	pg/g		0.042	07-FEB-21
2,3,7,8-TCDF			<0.016	[U]	pg/g		0.016	07-FEB-21
1,2,3,7,8-PeCDF			0.028	J,R	pg/g		0.013	07-FEB-21
2,3,4,7,8-PeCDF			<0.011	[U]	pg/g		0.011	07-FEB-21
1,2,3,4,7,8-HxCDF			<0.020	M,U	pg/g		0.02	07-FEB-21
1,2,3,6,7,8-HxCDF			0.029	M,J,R	pg/g		0.02	07-FEB-21
2,3,4,6,7,8-HxCDF			<0.021	M,U	pg/g		0.021	07-FEB-21
1,2,3,7,8,9-HxCDF			0.046	M,J,R	pg/g		0.028	07-FEB-21
1,2,3,4,6,7,8-HpCDF			0.059	J,R	pg/g		0.024	07-FEB-21
1,2,3,4,7,8,9-HpCDF			<0.039	[U]	pg/g		0.039	07-FEB-21
OCDF			0.091	[J]	pg/g		0.031	07-FEB-21
Total-TCDD			<0.016	[U]	pg/g		0.016	07-FEB-21
Total-PeCDD			<0.014	[U]	pg/g		0.014	07-FEB-21
Total-HxCDD			<0.024	[U]	pg/g		0.024	07-FEB-21
Total-HpCDD			0.081	A	pg/g		0.039	07-FEB-21
Total-TCDF			<0.016	[U]	pg/g		0.016	07-FEB-21
Total-PeCDF			<0.013	[U]	pg/g		0.013	07-FEB-21
Total-HxCDF			<0.028	[U]	pg/g		0.028	07-FEB-21



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DX-1613B-HRMS-BU		Soil						
Batch	R5366257							
WG3475409-1	MB							
Total-HpCDF			<0.039	[U]	pg/g		0.039	07-FEB-21
Surrogate: 13C12-2,3,7,8-TCDD			71.0		%		25-164	07-FEB-21
Surrogate: 13C12-1,2,3,7,8-PeCDD			62.0		%		25-181	07-FEB-21
Surrogate: 13C12-1,2,3,4,7,8-HxCDD			58.0		%		32-141	07-FEB-21
Surrogate: 13C12-1,2,3,6,7,8-HxCDD			65.0		%		28-130	07-FEB-21
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD			53.0		%		23-140	07-FEB-21
Surrogate: 13C12-OCDD			50.0		%		17-157	07-FEB-21
Surrogate: 13C12-2,3,7,8-TCDF			58.0		%		24-169	07-FEB-21
Surrogate: 13C12-1,2,3,7,8-PeCDF			58.0		%		24-185	07-FEB-21
Surrogate: 13C12-2,3,4,7,8-PeCDF			56.0		%		21-178	07-FEB-21
Surrogate: 13C12-1,2,3,4,7,8-HxCDF			52.0		%		26-152	07-FEB-21
Surrogate: 13C12-1,2,3,6,7,8-HxCDF			59.0		%		26-123	07-FEB-21
Surrogate: 13C12-2,3,4,6,7,8-HxCDF			58.0		%		29-147	07-FEB-21
Surrogate: 13C12-1,2,3,7,8,9-HxCDF			53.0		%		28-136	07-FEB-21
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF			51.0		%		28-143	07-FEB-21
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF			45.0		%		26-138	07-FEB-21
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)			60.0		%		35-197	07-FEB-21
COMMENTS: There were low levels of select targets detected in the method blank that were within the reference method control limits.								
MOISTURE-BU		Soil						
Batch	R5359139							
WG3475408-2	LCS							
% Moisture			98.8		%		90-110	28-JAN-21
WG3475408-1	MB							
% Moisture			<0.10		%		0.3	28-JAN-21
PCB-1668-OC2-HRMS-BU		Soil						
Batch	R5366257							
WG3475409-4	DUP	L2549469-1						
PCB 50/53		1.6	2.7	J	ng/kg	1.1	3	06-FEB-21
PCB 45/51		2.6	2.1		ng/kg	19	50	06-FEB-21
PCB 46		<1.8	<1.6	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 52		32.0	35.0		ng/kg	9.0	50	06-FEB-21
PCB 73		<1.1	<1.0	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 43		<1.7	<1.6	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 69/49		16.4	16.8		ng/kg	2.4	50	06-FEB-21
PCB 48		2.7	2.2		ng/kg	22	50	06-FEB-21



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PCB-1668-OC2-HRMS-BU Soil								
Batch	R5366257							
WG3475409-4	DUP	L2549469-1						
PCB 44/47/65		21.0	20.6		ng/kg	1.9	50	06-FEB-21
PCB 59/62/75		1.8	<1.1	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 42		4.1	3.6		ng/kg	13	50	06-FEB-21
PCB 41/71/40		8.0	8.8		ng/kg	9.9	50	06-FEB-21
PCB 64		9.0	8.6		ng/kg	4.6	50	06-FEB-21
PCB 72		<1.5	<1.3	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 68		<1.4	<1.2	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 57		5.4	5.8		ng/kg	6.6	50	06-FEB-21
PCB 58		<1.5	<1.3	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 67		<1.3	<1.2	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 63		<1.5	<1.3	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 61/70/74/76		46.9	46.1		ng/kg	1.7	50	06-FEB-21
PCB 66		25.7	26.0		ng/kg	1.2	50	06-FEB-21
PCB 55		<1.5	<1.3	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 56		10.0	9.6		ng/kg	3.8	50	06-FEB-21
PCB 60		5.8	6.3		ng/kg	8.6	50	06-FEB-21
PCB 80		<1.3	<1.1	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 79		1.7	1.4		ng/kg	17	50	06-FEB-21
PCB 78		<1.6	<1.4	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 81		<2.1	<1.9	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 77		5.1	6.7		ng/kg	27	50	06-FEB-21
PCB 155		<0.58	<0.42	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 152		<0.66	<0.51	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 150		<0.64	<0.50	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 136		30.8	32.4		ng/kg	5.1	50	06-FEB-21
PCB 145		<0.66	<0.51	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 148		<0.91	<0.71	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 151/135		97.3	107		ng/kg	9.5	50	06-FEB-21
PCB 154		2.29	2.57		ng/kg	12	50	06-FEB-21
PCB 144		10.9	13.2		ng/kg	19	50	06-FEB-21
PCB 147/149		294	282		ng/kg	4.2	50	06-FEB-21
PCB 134/143		23.4	21.6		ng/kg	8.0	50	06-FEB-21
PCB 139/140		9.4	9.0		ng/kg	4.9	50	06-FEB-21

COMMENTS: Selected PCB failed the duplicate criteria due to inhomogeneity. SJ 8-Feb-21

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PCB-1668-OC2-HRMS-BU Soil								
Batch	R5366257							
WG3475409-4	DUP	L2549469-1						
PCB 131		5.3	6.9		ng/kg	26	50	06-FEB-21
PCB 142		<1.6	<1.3	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 132		143	138		ng/kg	3.6	50	06-FEB-21
PCB 133		6.9	8.3		ng/kg	19	50	06-FEB-21
PCB 165		<1.2	<0.93	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 146		53.6	63.2		ng/kg	16	50	06-FEB-21
PCB 161		<1.1	<0.87	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 168/153		272	318		ng/kg	16	50	06-FEB-21
PCB 141		56.2	61.0		ng/kg	8.2	50	06-FEB-21
PCB 130		36.0	36.5		ng/kg	1.4	50	06-FEB-21
PCB 137/164		56.5	64.2		ng/kg	13	50	06-FEB-21
PCB 138/163/129		495	525		ng/kg	5.9	50	06-FEB-21
PCB 160		<1.1	<0.83	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 158		36.7	39.8		ng/kg	8.1	50	06-FEB-21
PCB 128/166		89.5	95.4		ng/kg	6.4	50	06-FEB-21
PCB 159		1.7	2.30		ng/kg	31	50	06-FEB-21
PCB 162		2.4	2.26		ng/kg	5.2	50	06-FEB-21
PCB 188		<0.88	<0.74	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 179		18.0	17.5		ng/kg	2.8	50	06-FEB-21
PCB 184		<0.76	<0.63	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 176		4.70	5.50		ng/kg	16	50	06-FEB-21
PCB 186		<0.85	<0.71	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 178		9.0	9.10		ng/kg	1.4	50	06-FEB-21
PCB 175		<1.2	2.66	G	ng/kg	N/A	50	06-FEB-21
PCB 187		45.8	54.7		ng/kg	18	50	06-FEB-21
PCB 182		<1.1	<0.88	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 183		24.3	32.2		ng/kg	28	50	06-FEB-21
PCB 185		2.4	3.00		ng/kg	24	50	06-FEB-21
PCB 174		40.9	44.8		ng/kg	9.1	50	06-FEB-21
PCB 177		26.0	27.8		ng/kg	6.7	50	06-FEB-21
PCB 181		<1.1	<0.94	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 171/173		14.9	16.5		ng/kg	10	50	06-FEB-21
PCB 172		8.7	7.8		ng/kg	11	50	06-FEB-21
PCB 192		<0.97	<0.81	RPD-NA	ng/kg	N/A	50	06-FEB-21

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PCB-1668-OC2-HRMS-BU Soil								
Batch	R5366257							
WG3475409-4 DUP		L2549469-1						
PCB 180/193		86.6	97.4		ng/kg	12	50	06-FEB-21
PCB 191		2.22	1.60		ng/kg	32	50	06-FEB-21
PCB 170		52.7	53.9		ng/kg	2.3	50	06-FEB-21
PCB 190		9.82	9.78		ng/kg	0.4	50	06-FEB-21
PCB 208		6.3	7.5		ng/kg	18	50	06-FEB-21
PCB 207		<2.8	2.6	RPD-NA	ng/kg	N/A	50	06-FEB-21
PCB 209		20.1	19.8		ng/kg	1.5	50	06-FEB-21
COMMENTS: Selected PCB failed the duplicate criteria due to inhomogeneity. SJ 8-Feb-21								
WG3475409-4 DUP		L2549469-1						
PCB 1		1.54	3.24	G	ng/kg	71	50	03-FEB-21
PCB 2		0.92	1.31		ng/kg	35	50	03-FEB-21
PCB 3		2.43	2.12		ng/kg	14	50	03-FEB-21
PCB 4		1.39	4.70	G	ng/kg	109	50	03-FEB-21
PCB 10		0.30	0.32		ng/kg	6.5	50	03-FEB-21
PCB 9		<0.19	<0.22	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 7		0.21	<0.19	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 6		<0.17	0.70	G	ng/kg	N/A	50	03-FEB-21
PCB 5		<0.22	<0.25	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 8		<0.15	3.40	G	ng/kg	N/A	50	03-FEB-21
PCB 14		<0.21	<0.31	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 11		5.41	5.62		ng/kg	3.8	50	03-FEB-21
PCB 13/12		1.18	0.96		ng/kg	21	50	03-FEB-21
PCB 15		7.92	7.48		ng/kg	5.7	50	03-FEB-21
PCB 19		1.11	2.95	G	ng/kg	91	50	03-FEB-21
PCB 30/18		3.18	3.39		ng/kg	6.4	50	03-FEB-21
PCB 17		1.76	1.79		ng/kg	1.7	50	03-FEB-21
PCB 27		0.374	0.41		ng/kg	8.7	50	03-FEB-21
PCB 24		<0.058	<0.16	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 16		1.27	1.31		ng/kg	3.1	50	03-FEB-21
PCB 32		1.62	1.58		ng/kg	2.5	50	03-FEB-21
PCB 34		<0.16	<0.30	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 23		<0.13	<0.24	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 29/26		1.61	1.71		ng/kg	6.0	50	03-FEB-21
PCB 25		0.90	0.71		ng/kg	24	50	03-FEB-21



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PCB-1668-OC2-HRMS-BU Soil								
Batch	R5366257							
WG3475409-4	DUP	L2549469-1						
PCB 31		11.1	10.7		ng/kg	3.7	50	03-FEB-21
PCB 28/20		17.1	16.6		ng/kg	3.0	50	03-FEB-21
PCB 21/33		4.65	4.38		ng/kg	6.0	50	03-FEB-21
PCB 22		4.21	4.20		ng/kg	0.2	50	03-FEB-21
PCB 36		0.51	0.42		ng/kg	19	50	03-FEB-21
PCB 39		<0.14	<0.26	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 38		<0.14	<0.26	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 35		0.39	<0.26	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 37		11.3	11.2		ng/kg	0.9	50	03-FEB-21
PCB 54		<0.046	<0.061	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 104		<0.033	<0.056	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 96		0.465	0.597		ng/kg	25	50	03-FEB-21
PCB 103		0.92	0.98		ng/kg	6.3	50	03-FEB-21
PCB 94		0.56	<0.31	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 95		166	190		ng/kg	13	50	03-FEB-21
PCB 100/93/102/98		3.70	4.94		ng/kg	29	50	03-FEB-21
PCB 88/91		30.5	34.8		ng/kg	13	50	03-FEB-21
PCB 84		37.3	41.8		ng/kg	11	50	03-FEB-21
PCB 89		1.01	0.92		ng/kg	9.3	50	03-FEB-21
PCB 121		<0.40	<0.22	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 92		35.8	36.9		ng/kg	3.0	50	03-FEB-21
PCB 113/90/101		144	154		ng/kg	6.7	50	03-FEB-21
PCB 83/99		108	117		ng/kg	8.0	50	03-FEB-21
PCB 112		<0.39	<0.22	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 108/119/86/97/125/87		79.6	89.3		ng/kg	11	50	03-FEB-21
PCB 117/116/85/110/115		282	378		ng/kg	29	50	03-FEB-21
PCB 82		10.7	19.1	G	ng/kg	56	50	03-FEB-21
PCB 111		<0.41	<0.23	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 120		0.44	0.55		ng/kg	21	50	03-FEB-21
PCB 107/124		7.13	8.21		ng/kg	14	50	03-FEB-21
PCB 109		10.9	13.0		ng/kg	18	50	03-FEB-21
PCB 123		4.19	4.42		ng/kg	5.3	50	03-FEB-21
PCB 106		<0.15	<0.28	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 118		122	144		ng/kg	17	50	03-FEB-21

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PCB-1668-OC2-HRMS-BU Soil								
Batch	R5366257							
WG3475409-4	DUP	L2549469-1						
PCB 122		2.73	3.80		ng/kg	33	50	03-FEB-21
PCB 114		1.80	2.07		ng/kg	14	50	03-FEB-21
PCB 105		57.4	67.9		ng/kg	17	50	03-FEB-21
PCB 127		0.60	0.64		ng/kg	6.5	50	03-FEB-21
PCB 126		1.84	1.93		ng/kg	4.8	50	03-FEB-21
PCB 167		20.4	22.3		ng/kg	8.9	50	03-FEB-21
PCB 156/157		47.4	51.8		ng/kg	8.9	50	03-FEB-21
PCB 169		<0.21	<0.32	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 189		3.74	4.21		ng/kg	12	50	03-FEB-21
PCB 202		5.21	5.23		ng/kg	0.4	50	03-FEB-21
PCB 201		2.11	1.68		ng/kg	23	50	03-FEB-21
PCB 204		<0.041	<0.075	RPD-NA	ng/kg	N/A	50	03-FEB-21
PCB 197		0.439	0.358		ng/kg	20	50	03-FEB-21
PCB 200		3.41	4.07		ng/kg	18	50	03-FEB-21
PCB 198/199		30.3	41.2		ng/kg	30	50	03-FEB-21
PCB 196		11.4	13.6		ng/kg	18	50	03-FEB-21
PCB 203		17.2	15.9		ng/kg	7.9	50	03-FEB-21
PCB 195		9.53	13.9		ng/kg	37	50	03-FEB-21
PCB 194		23.2	30.8		ng/kg	28	50	03-FEB-21
PCB 205		1.14	1.10		ng/kg	3.6	50	03-FEB-21
PCB 206		15.2	15.9		ng/kg	4.5	50	03-FEB-21
Total MonoCB		4.89	6.67		ng/kg	31	50	03-FEB-21
Total DiCB		16.4	23.2		ng/kg	34	50	03-FEB-21
Total TriCB		61.1	61.4		ng/kg	0.5	50	03-FEB-21
Total TetraCB		200	202		ng/kg	1.0	50	03-FEB-21
Total PentaCB		1110	1310		ng/kg	17	50	03-FEB-21
Total HexaCB		1790	1900		ng/kg	6.0	50	03-FEB-21
Total HeptaCB		350	388		ng/kg	10	50	03-FEB-21
Total OctaCB		104	128		ng/kg	21	50	03-FEB-21
Total NonaCB		21.5	25.9		ng/kg	19	50	03-FEB-21
DecaCB		20.1	19.8		ng/kg	1.5	50	03-FEB-21
Total PCB		3680	4070		ng/kg	10	50	03-FEB-21
Sample Size		15.7	15.9		g	1.5	150	03-FEB-21
Extract Final Volume		25.0	25.0		ul	0.0	150	03-FEB-21



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5366257								
WG3475409-4 DUP L2549469-1								
COMMENTS: The RPD was above the method control limit for 6 targets. All other targets replicate well								
WG3475409-2 LCS								
PCB 1			100.0		%		50-150	03-FEB-21
PCB 3			97.0		%		50-150	03-FEB-21
PCB 4			97.0		%		50-150	03-FEB-21
PCB 15			95.0		%		50-150	03-FEB-21
PCB 19			102.0		%		50-150	03-FEB-21
PCB 37			101.0		%		50-150	03-FEB-21
PCB 54			101.0		%		50-150	03-FEB-21
PCB 81			96.0		%		50-150	03-FEB-21
PCB 77			93.0		%		50-150	03-FEB-21
PCB 104			92.0		%		50-150	03-FEB-21
PCB 123			93.0		%		50-150	03-FEB-21
PCB 118			98.0		%		50-150	03-FEB-21
PCB 114			87.0		%		50-150	03-FEB-21
PCB 105			91.0		%		50-150	03-FEB-21
PCB 126			87.0		%		50-150	03-FEB-21
PCB 155			102.0		%		50-150	06-FEB-21
PCB 167			90.0		%		50-150	03-FEB-21
PCB 156/157			89.0		%		50-150	03-FEB-21
PCB 169			91.0		%		50-150	03-FEB-21
PCB 188			98.0		%		50-150	06-FEB-21
PCB 189			95.0		%		50-150	03-FEB-21
PCB 202			98.0		%		50-150	03-FEB-21
PCB 205			91.0		%		50-150	03-FEB-21
PCB 208			99.0		%		50-150	06-FEB-21
PCB 206			96.0		%		50-150	03-FEB-21
PCB 209			96.0		%		50-150	06-FEB-21
WG3475409-1 MB								
PCB 1			<3.3	[U]	ng/kg		3.572	03-FEB-21
PCB 2			<1.2	[U]	ng/kg		3.572	03-FEB-21
PCB 3			<0.62	[U]	ng/kg		3.572	03-FEB-21
PCB 4			<0.39	[U]	ng/kg		3.572	03-FEB-21
PCB 10			<0.14	[U]	ng/kg		3.572	03-FEB-21
PCB 9			<0.16	[U]	ng/kg		3.572	03-FEB-21



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PCB-1668-OC2-HRMS-BU Soil								
Batch R5366257								
WG3475409-1 MB								
PCB 7			<0.14	[U]	ng/kg		3.572	03-FEB-21
PCB 6			<0.15	[U]	ng/kg		3.572	03-FEB-21
PCB 5			<0.19	[U]	ng/kg		3.572	03-FEB-21
PCB 8			<0.13	[U]	ng/kg		3.572	03-FEB-21
PCB 14			<0.25	[U]	ng/kg		3.572	03-FEB-21
PCB 11			1.58	[J]	ng/kg		1.786	03-FEB-21
PCB 13/12			<0.25	[U]	ng/kg		3.572	03-FEB-21
PCB 15			<0.18	[U]	ng/kg		3.572	03-FEB-21
PCB 19			<0.089	[U]	ng/kg		3.572	03-FEB-21
PCB 30/18			0.299	[J]	ng/kg		3.572	03-FEB-21
PCB 17			<0.096	M,U	ng/kg		3.572	03-FEB-21
PCB 27			<0.072	[U]	ng/kg		3.572	03-FEB-21
PCB 24			<0.071	[U]	ng/kg		3.572	03-FEB-21
PCB 16			<0.10	[U]	ng/kg		3.572	03-FEB-21
PCB 32			0.100	J,R	ng/kg		3.572	03-FEB-21
PCB 34			<0.13	[U]	ng/kg		3.572	03-FEB-21
PCB 23			<0.10	[U]	ng/kg		3.572	03-FEB-21
PCB 29/26			<0.11	[U]	ng/kg		3.572	03-FEB-21
PCB 25			<0.095	[U]	ng/kg		3.572	03-FEB-21
PCB 31			0.27	M,J	ng/kg		3.572	03-FEB-21
PCB 28/20			0.26	M,J	ng/kg		3.572	03-FEB-21
PCB 21/33			0.189	M,J	ng/kg		3.572	03-FEB-21
PCB 22			<0.11	[U]	ng/kg		3.572	03-FEB-21
PCB 36			<0.11	[U]	ng/kg		3.572	03-FEB-21
PCB 39			<0.11	[U]	ng/kg		3.572	03-FEB-21
PCB 38			<0.11	[U]	ng/kg		3.572	03-FEB-21
PCB 35			<0.11	[U]	ng/kg		3.572	03-FEB-21
PCB 37			<0.17	[U]	ng/kg		3.572	03-FEB-21
PCB 54			<0.053	[U]	ng/kg		3.572	03-FEB-21
PCB 50/53			<0.80	[U]	ng/kg		35.714	04-FEB-21
PCB 45/51			<0.83	[U]	ng/kg		35.714	04-FEB-21
PCB 46			<0.96	[U]	ng/kg		35.714	04-FEB-21
PCB 52			<0.85	[U]	ng/kg		17.857	04-FEB-21

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PCB-1668-OC2-HRMS-BU Soil								
Batch R5366257								
WG3475409-1 MB								
PCB 73			<0.61	[U]	ng/kg		35.714	04-FEB-21
PCB 43			<1.1	[U]	ng/kg		35.714	04-FEB-21
PCB 69/49			<0.73	[U]	ng/kg		35.714	04-FEB-21
PCB 48			<0.82	[U]	ng/kg		35.714	04-FEB-21
PCB 44/47/65			<0.76	[U]	ng/kg		35.714	04-FEB-21
PCB 59/62/75			<0.62	[U]	ng/kg		35.714	04-FEB-21
PCB 42			<0.89	[U]	ng/kg		35.714	04-FEB-21
PCB 41/71/40			<0.84	[U]	ng/kg		35.714	04-FEB-21
PCB 64			<0.62	[U]	ng/kg		35.714	04-FEB-21
PCB 72			<1.2	[U]	ng/kg		35.714	04-FEB-21
PCB 68			<1.1	[U]	ng/kg		35.714	04-FEB-21
PCB 57			<1.3	[U]	ng/kg		35.714	04-FEB-21
PCB 58			<1.1	[U]	ng/kg		35.714	04-FEB-21
PCB 67			<1.1	[U]	ng/kg		35.714	04-FEB-21
PCB 63			<1.2	[U]	ng/kg		35.714	04-FEB-21
PCB 61/70/74/76			<1.2	[U]	ng/kg		35.714	04-FEB-21
PCB 66			<1.2	[U]	ng/kg		35.714	04-FEB-21
PCB 55			<1.2	[U]	ng/kg		35.714	04-FEB-21
PCB 56			<1.3	[U]	ng/kg		35.714	04-FEB-21
PCB 60			<1.2	[U]	ng/kg		35.714	04-FEB-21
PCB 80			<1.1	[U]	ng/kg		35.714	04-FEB-21
PCB 79			<1.1	[U]	ng/kg		35.714	04-FEB-21
PCB 78			<1.3	[U]	ng/kg		35.714	04-FEB-21
PCB 81			<3.1	[U]	ng/kg		35.714	04-FEB-21
PCB 77			<1.2	[U]	ng/kg		35.714	04-FEB-21
PCB 104			<0.039	[U]	ng/kg		3.572	03-FEB-21
PCB 96			<0.037	[U]	ng/kg		3.572	03-FEB-21
PCB 103			<0.091	[U]	ng/kg		3.572	03-FEB-21
PCB 94			<0.10	[U]	ng/kg		3.572	03-FEB-21
PCB 95			<0.10	[U]	ng/kg		3.572	03-FEB-21
PCB 100/93/102/98			<0.095	[U]	ng/kg		3.572	03-FEB-21
PCB 88/91			<0.10	[U]	ng/kg		3.572	03-FEB-21
PCB 84			<0.11	[U]	ng/kg		3.572	03-FEB-21



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5366257								
WG3475409-1 MB								
PCB 89			<0.11	[U]	ng/kg		3.572	03-FEB-21
PCB 121			<0.074	[U]	ng/kg		3.572	03-FEB-21
PCB 92			<0.11	[U]	ng/kg		3.572	03-FEB-21
PCB 113/90/101			<0.086	[U]	ng/kg		3.572	03-FEB-21
PCB 83/99			<0.11	[U]	ng/kg		3.572	03-FEB-21
PCB 112			<0.072	[U]	ng/kg		3.572	03-FEB-21
PCB 108/119/86/97/125/87			<0.089	[U]	ng/kg		3.572	03-FEB-21
PCB 117/116/85/110/115			<0.084	[U]	ng/kg		3.572	03-FEB-21
PCB 82			<0.13	[U]	ng/kg		3.572	03-FEB-21
PCB 111			<0.075	[U]	ng/kg		3.572	03-FEB-21
PCB 120			<0.075	[U]	ng/kg		3.572	03-FEB-21
PCB 107/124			<0.068	[U]	ng/kg		3.572	03-FEB-21
PCB 109			<0.067	[U]	ng/kg		3.572	03-FEB-21
PCB 123			<0.067	[U]	ng/kg		3.572	03-FEB-21
PCB 106			<0.070	[U]	ng/kg		3.572	03-FEB-21
PCB 118			0.163	[J]	ng/kg		3.572	03-FEB-21
PCB 122			<0.075	[U]	ng/kg		3.572	03-FEB-21
PCB 114			<0.074	[U]	ng/kg		3.572	03-FEB-21
PCB 105			<0.073	[U]	ng/kg		3.572	03-FEB-21
PCB 127			<0.074	[U]	ng/kg		3.572	03-FEB-21
PCB 126			<0.073	[U]	ng/kg		3.572	03-FEB-21
PCB 155			<0.64	[U]	ng/kg		35.714	06-FEB-21
PCB 152			<0.85	[U]	ng/kg		35.714	06-FEB-21
PCB 150			<0.82	[U]	ng/kg		35.714	06-FEB-21
PCB 136			<0.87	[U]	ng/kg		35.714	06-FEB-21
PCB 145			<0.85	[U]	ng/kg		35.714	06-FEB-21
PCB 148			<1.2	[U]	ng/kg		35.714	06-FEB-21
PCB 151/135			<1.3	[U]	ng/kg		35.714	06-FEB-21
PCB 154			<0.86	[U]	ng/kg		35.714	06-FEB-21
PCB 144			<1.2	[U]	ng/kg		35.714	06-FEB-21
PCB 147/149			<1.4	[U]	ng/kg		35.714	06-FEB-21
PCB 134/143			<1.7	[U]	ng/kg		35.714	06-FEB-21
PCB 139/140			<1.4	[U]	ng/kg		35.714	06-FEB-21



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch R5366257								
WG3475409-1 MB								
PCB 131			<1.8	[U]	ng/kg		35.714	06-FEB-21
PCB 142			<1.7	[U]	ng/kg		35.714	06-FEB-21
PCB 132			<1.7	[U]	ng/kg		35.714	06-FEB-21
PCB 133			<1.6	[U]	ng/kg		35.714	06-FEB-21
PCB 165			<1.2	[U]	ng/kg		35.714	06-FEB-21
PCB 146			<1.4	[U]	ng/kg		35.714	06-FEB-21
PCB 161			<1.2	[U]	ng/kg		35.714	06-FEB-21
PCB 168/153			4.7	M,J,R	ng/kg		17.857	06-FEB-21
PCB 141			<1.5	[U]	ng/kg		35.714	06-FEB-21
PCB 130			<1.8	[U]	ng/kg		35.714	06-FEB-21
PCB 137/164			<1.3	[U]	ng/kg		35.714	06-FEB-21
PCB 138/163/129			7.9	M,J,R	ng/kg		35.714	06-FEB-21
PCB 160			<1.1	[U]	ng/kg		35.714	06-FEB-21
PCB 158			<1.0	[U]	ng/kg		35.714	06-FEB-21
PCB 128/166			<1.3	[U]	ng/kg		35.714	06-FEB-21
PCB 159			<1.2	[U]	ng/kg		35.714	06-FEB-21
PCB 162			<1.2	[U]	ng/kg		35.714	06-FEB-21
PCB 167			<0.056	[U]	ng/kg		3.572	03-FEB-21
PCB 156/157			<0.098	[U]	ng/kg		7.142	03-FEB-21
PCB 169			<0.11	[U]	ng/kg		3.572	03-FEB-21
PCB 188			<0.92	[U]	ng/kg		35.714	06-FEB-21
PCB 179			<0.90	[U]	ng/kg		35.714	06-FEB-21
PCB 184			<0.82	[U]	ng/kg		35.714	06-FEB-21
PCB 176			<0.92	[U]	ng/kg		35.714	06-FEB-21
PCB 186			<0.92	[U]	ng/kg		35.714	06-FEB-21
PCB 178			<1.3	[U]	ng/kg		35.714	06-FEB-21
PCB 175			<1.3	[U]	ng/kg		35.714	06-FEB-21
PCB 187			<1.1	[U]	ng/kg		35.714	06-FEB-21
PCB 182			<1.1	[U]	ng/kg		35.714	06-FEB-21
PCB 183			<1.2	[U]	ng/kg		35.714	06-FEB-21
PCB 185			<1.2	[U]	ng/kg		35.714	06-FEB-21
PCB 174			<1.2	[U]	ng/kg		35.714	06-FEB-21
PCB 177			<1.3	[U]	ng/kg		35.714	06-FEB-21



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5366257							
WG3475409-1	MB							
PCB 181			<1.2	[U]	ng/kg		35.714	06-FEB-21
PCB 171/173			<1.3	[U]	ng/kg		35.714	06-FEB-21
PCB 172			<1.3	[U]	ng/kg		35.714	06-FEB-21
PCB 192			<1.1	[U]	ng/kg		35.714	06-FEB-21
PCB 180/193			2.5	M,J,R	ng/kg		17.857	06-FEB-21
PCB 191			<1.0	[U]	ng/kg		35.714	06-FEB-21
PCB 170			1.9	[J]	ng/kg		35.714	06-FEB-21
PCB 190			<0.94	[U]	ng/kg		35.714	06-FEB-21
PCB 189			<0.063	[U]	ng/kg		3.572	03-FEB-21
PCB 202			<0.12	[U]	ng/kg		3.572	03-FEB-21
PCB 201			<0.083	[U]	ng/kg		3.572	03-FEB-21
PCB 204			<0.084	[U]	ng/kg		3.572	03-FEB-21
PCB 197			<0.080	[U]	ng/kg		3.572	03-FEB-21
PCB 200			<0.084	[U]	ng/kg		3.572	03-FEB-21
PCB 198/199			<0.12	[U]	ng/kg		3.572	03-FEB-21
PCB 196			<0.12	[U]	ng/kg		3.572	03-FEB-21
PCB 203			<0.11	[U]	ng/kg		3.572	03-FEB-21
PCB 195			<0.14	[U]	ng/kg		3.572	03-FEB-21
PCB 194			<0.13	[U]	ng/kg		3.572	03-FEB-21
PCB 205			<0.089	[U]	ng/kg		3.572	03-FEB-21
PCB 208			<6.5	[U]	ng/kg		35.714	06-FEB-21
PCB 207			<5.9	[U]	ng/kg		35.714	06-FEB-21
PCB 206			<0.22	[U]	ng/kg		3.572	03-FEB-21
PCB 209			<1.2	[U]	ng/kg		35.714	06-FEB-21
Surrogate: 13C12 PCB 1			45.0	M	%		5-145	03-FEB-21
Surrogate: 13C12 PCB 3			65.0	M	%		5-145	03-FEB-21
Surrogate: 13C12 PCB 4			71.0		%		5-145	03-FEB-21
Surrogate: 13C12 PCB 15			68.0		%		5-145	03-FEB-21
Surrogate: 13C12 PCB 19			81.0		%		5-145	03-FEB-21
Surrogate: 13C12 PCB 37			71.0		%		5-145	03-FEB-21
Surrogate: 13C12 PCB 54			76.0		%		5-145	03-FEB-21
Surrogate: 13C12 PCB 81			40.0	M	%		10-145	04-FEB-21
Surrogate: 13C12 PCB 77			74.0		%		10-145	04-FEB-21



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PCB-1668-OC2-HRMS-BU Soil								
Batch	R5366257							
WG3475409-1 MB								
Surrogate: 13C12 PCB 104			59.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 123			82.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 118			84.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 114			74.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 105			81.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 126			91.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 155			69.0		%		10-145	06-FEB-21
Surrogate: 13C12 PCB 167			92.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 156/157			73.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 169			72.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 188			65.0		%		10-145	06-FEB-21
Surrogate: 13C12 PCB 189			60.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 202			30.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 205			67.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 208			88.0		%		10-145	06-FEB-21
Surrogate: 13C12 PCB 206			52.0		%		10-145	03-FEB-21
Surrogate: 13C12 PCB 209			100.0		%		10-145	06-FEB-21
Surrogate: 13C12 PCB 28 Cleanup			69.0		%		5-145	03-FEB-21
Surrogate: 13C12 PCB 111 Cleanup			6.0	R	%		10-145	03-FEB-21
Surrogate: 13C12 PCB 178 Cleanup			83.0		%		10-145	03-FEB-21
Total MonoCB			<0.62	[U]	ng/kg		7.143	03-FEB-21
Total DiCB			1.58	[J]	ng/kg		14.286	03-FEB-21
Total TriCB			1.13	[J]	ng/kg		14.286	03-FEB-21
Total TetraCB			<0.053	[U]	ng/kg		28.571	03-FEB-21
Total PentaCB			0.163	[J]	ng/kg		28.571	03-FEB-21
Total HexaCB			12.6	[J]	ng/kg		28.571	03-FEB-21
Total HeptaCB			4.44	[J]	ng/kg		14.286	03-FEB-21
Total OctaCB			<0.080	[U]	ng/kg		14.286	03-FEB-21
Total NonaCB			<0.22	[U]	ng/kg		7.143	03-FEB-21
DecaCB			<1.2	[U]	ng/kg		7.143	03-FEB-21
Total PCB			19.9	[J]	ng/kg		57.143	03-FEB-21
Sample Size			14.0		g		20	03-FEB-21
Extract Final Volume			25.0		ul		50	03-FEB-21

Quality Control Report

Workorder: L2549469

Report Date: 09-FEB-21

Page 16 of 16

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M	A peak has been manually integrated.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
R	The ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

L2549469

Date 1/18/21 Page 1 Of 1

PROJECT ID: <u>EV21010106</u>					ANALYSIS REQUESTED															OTHER (Specify)			
REPORT TO COMPANY: <u>ALS Environmental</u>					NWTPH-HCID NWTPH-DX NWTPH-GX BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	PROJECT MANAGER: <u>Glen Perry</u>		ADDRESS: <u>8620 Holly Drive #100</u>		PHONE: <u>(425) 356-2600</u> P.O. #: <u>32-EV21010106</u>		E-MAIL: <u>glen.perry@alsglobal.com</u>		INVOICE TO COMPANY:		ATTENTION: <u>Same</u>		ADDRESS:		<u>Dioxin/Furans by 1613</u> <u>PCB Congeners by 1668A</u>		NUMBER OF CONTAINERS RECEIVED IN GOOD CONDITION?	
SAMPLE I.D.	DATE	TIME	TYPE	LAB#																			
1. <u>EV21010106-01</u>	<u>1/14/21</u>	<u>21:00</u>	<u>S</u>																				
2. <u>EV21010106-02</u>		<u>21:20</u>																					
3. <u>EV21010106-03</u>		<u>21:50</u>																					
4. <u>EV21010106-04</u>		<u>23:10</u>																					
5. <u>EV210106-05</u>		<u>22:15</u>																					
6. <u>EV210106-06</u>		<u>23:30</u>																					
7. <u>EV210106-07</u>	<u>✓</u>	<u>23:50</u>	<u>✓</u>																				
8.																							
9.																							
10.																							

SPECIAL INSTRUCTIONS Please email results by noon 1/29/21

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: Shawn Robinson ALS 1/18/21 09:17
 Received By: ARRAN BUCKAN ALS 19-JAN-2021 11:05 6.0°C
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis
 Standard: 10 5 3 2 1 SAME DAY
 OTHER: _____
 Specify: _____
 Fuels & Hydrocarbon Analysis
 Standard: 5 3 1 SAME DAY

*Turnaround request less than standard may incur Rush Charges

PURCHASE ORDER

The following number must appear on all related correspondence, shipping papers, and invoices:

P.O. NUMBER: 32- EV21010106

To: *ALS Environmental*
Ancy Sebastian/Claire Kocharakka
1435 Norjean Court, Unit 1
Burlington, Ontario, Canada L7L 0E6
Ph: (905) 331-3111

Acct #: ALS01

Bill To: **ALS Everett**
10450 Stancliff Rd, Suite 210
Houston, TX 77099
TEL 281-530-5656 FAX 281-530-5887

Ship To: **ALS Group USA, Corp.**
8620 Holly Drive
Suite 100
Everett, Washington 98208
TEL 425 356 2600 FAX 425 356 2626

P.O. DATE	REQUISITIONER	Ship VIA	Department	TERMS
<i>1/18/21</i>	<i>shawn.robison</i>			NET 30

Item	Catalog No.	QTY	Unit Price	Total Price
<i>Dioxins/Furans by 1613 Soil</i>		<i>7</i>	<i>375.00</i>	<i>2,625.00</i>
<i>PCB Congeners by 1668A Soil</i>		<i>2</i>	<i>450.00</i>	<i>900.00</i>

Comments:

Please email results by noon

1/29/21

Sales Tax:	\$0.00
Shipping/Handling:	\$0.00
Other:	\$0.00

OrderAmount:	<i>3,525.00</i>
--------------	-----------------

Shawn Robinson 1/18/21

Authorized by

Date



February 17, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On January 15th, 7 samples were received by our laboratory and assigned our laboratory project number EV21010106. The project was identified as your Baywood / 0147053.010. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	2/17/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21010106
CLIENT PROJECT:	Baywood / 0147053.010	ALS SAMPLE#:	EV21010106-01
CLIENT SAMPLE ID	LAI-1-20210114	DATE RECEIVED:	01/15/2021
		COLLECTION DATE:	1/14/2021 9:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	01/20/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	56	50	1	MG/KG	01/20/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	25	20	1	UG/KG	01/20/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Arsenic	EPA-6020	5.6	0.20	1	MG/KG	01/20/2021	RAL
Cadmium	EPA-6020	U	0.10	1	MG/KG	01/20/2021	RAL
Copper	EPA-6020	15	0.25	1	MG/KG	01/20/2021	RAL
Nickel	EPA-6020	26	0.10	1	MG/KG	01/20/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	01/20/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	01/20/2021	RAL
Thallium	EPA-6020	U	0.44	1	MG/KG	01/20/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	94.4	01/20/2021	JNF
Terphenyl-d14	EPA-8270 SIM	101	01/20/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains lube oil.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	2/17/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21010106
CLIENT PROJECT:	Baywood / 0147053.010	ALS SAMPLE#:	EV21010106-02
CLIENT SAMPLE ID	LAI-2-20210114	DATE RECEIVED:	01/15/2021
		COLLECTION DATE:	1/14/2021 9:20:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U, F1	27	1	MG/KG	01/20/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	120	50	1	MG/KG	01/20/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	30	20	1	UG/KG	01/20/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Arsenic	EPA-6020	8.5	0.20	1	MG/KG	01/20/2021	RAL
Cadmium	EPA-6020	U	0.10	1	MG/KG	01/20/2021	RAL
Copper	EPA-6020	37	0.25	1	MG/KG	01/20/2021	RAL
Nickel	EPA-6020	20	0.10	1	MG/KG	01/20/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	01/20/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	01/20/2021	RAL
Thallium	EPA-6020	U	0.52	1	MG/KG	01/20/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	102	01/20/2021	JNF
Terphenyl-d14	EPA-8270 SIM	105	01/20/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 F1 - Reporting limit for compound raised due to low sample amount.
 Chromatogram indicates that it is likely that sample contains lube oil.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	2/17/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21010106
CLIENT PROJECT:	Baywood / 0147053.010	ALS SAMPLE#:	EV21010106-03
CLIENT SAMPLE ID	LAI-3-20210114	DATE RECEIVED:	01/15/2021
		COLLECTION DATE:	1/14/2021 9:50:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	180	25	1	MG/KG	01/20/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	730	50	1	MG/KG	01/20/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Arsenic	EPA-6020	3.7	0.20	1	MG/KG	01/20/2021	RAL
Cadmium	EPA-6020	0.22	0.10	1	MG/KG	01/20/2021	RAL
Copper	EPA-6020	52	0.25	1	MG/KG	01/20/2021	RAL
Nickel	EPA-6020	21	0.10	1	MG/KG	01/20/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	01/20/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	01/20/2021	RAL
Thallium	EPA-6020	U	0.73	1	MG/KG	01/20/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	140 SUR08	01/20/2021	JNF
Terphenyl-d14	EPA-8270 SIM	93.5	01/20/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

SUR08 -Surrogate recovery is unavailable due to sample matrix interference. Target analytes were not affected by the interference. No qualification is necessary.

Chromatogram indicates that it is likely that sample contains light oil/lube oil.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	2/17/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21010106
CLIENT PROJECT:	Baywood / 0147053.010	ALS SAMPLE#:	EV21010106-04
CLIENT SAMPLE ID	LAI-4-20210114	DATE RECEIVED:	01/15/2021
		COLLECTION DATE:	1/14/2021 11:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	77	25	1	MG/KG	01/20/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	270	50	1	MG/KG	01/20/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Arsenic	EPA-6020	6.7	0.20	1	MG/KG	01/20/2021	RAL
Cadmium	EPA-6020	0.23	0.10	1	MG/KG	01/20/2021	RAL
Copper	EPA-6020	37	0.25	1	MG/KG	01/20/2021	RAL
Nickel	EPA-6020	39	0.10	1	MG/KG	01/20/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	01/20/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	01/20/2021	RAL
Thallium	EPA-6020	U	0.53	1	MG/KG	01/20/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	125	01/20/2021	JNF
Terphenyl-d14	EPA-8270 SIM	92.5	01/20/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and lube oil.
 Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	2/17/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21010106
CLIENT PROJECT:	Baywood / 0147053.010	ALS SAMPLE#:	EV21010106-05
CLIENT SAMPLE ID	LAI-5-20210114	DATE RECEIVED:	01/15/2021
		COLLECTION DATE:	1/14/2021 10:15:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	82	25	1	MG/KG	01/20/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	250	50	1	MG/KG	01/20/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	32	20	1	UG/KG	01/20/2021	JMK
Chrysene	EPA-8270 SIM	34	20	1	UG/KG	01/20/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	55	20	1	UG/KG	01/20/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	36	20	1	UG/KG	01/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	26	20	1	UG/KG	01/20/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Arsenic	EPA-6020	7.1	0.20	1	MG/KG	01/20/2021	RAL
Cadmium	EPA-6020	0.16	0.10	1	MG/KG	01/20/2021	RAL
Copper	EPA-6020	29	0.25	1	MG/KG	01/20/2021	RAL
Nickel	EPA-6020	38	0.10	1	MG/KG	01/20/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	01/20/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	01/20/2021	RAL
Thallium	EPA-6020	U	0.49	1	MG/KG	01/20/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	107	01/20/2021	JNF
Terphenyl-d14	EPA-8270 SIM	96.1	01/20/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.
 Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	2/17/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21010106
CLIENT PROJECT:	Baywood / 0147053.010	ALS SAMPLE#:	EV21010106-06
CLIENT SAMPLE ID	LAI-6-20210114	DATE RECEIVED:	01/15/2021
		COLLECTION DATE:	1/14/2021 11:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	01/20/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	01/20/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Arsenic	EPA-6020	8.3	0.20	1	MG/KG	01/20/2021	RAL
Cadmium	EPA-6020	U	0.10	1	MG/KG	01/20/2021	RAL
Copper	EPA-6020	20	0.25	1	MG/KG	01/20/2021	RAL
Nickel	EPA-6020	39	0.10	1	MG/KG	01/20/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	01/20/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	01/20/2021	RAL
Thallium	EPA-6020	U	0.42	1	MG/KG	01/20/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	97.1	01/20/2021	JNF
Terphenyl-d14	EPA-8270 SIM	97.0	01/20/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	2/17/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21010106
CLIENT PROJECT:	Baywood / 0147053.010	ALS SAMPLE#:	EV21010106-07
CLIENT SAMPLE ID	LAI-7-20210114	DATE RECEIVED:	01/15/2021
		COLLECTION DATE:	1/14/2021 11:50:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	58	25	1	MG/KG	01/20/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	120	50	1	MG/KG	01/20/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	29	20	1	UG/KG	01/20/2021	JMK
Chrysene	EPA-8270 SIM	30	20	1	UG/KG	01/20/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	42	20	1	UG/KG	01/20/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	25	20	1	UG/KG	01/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	01/20/2021	JMK
Arsenic	EPA-6020	6.1	0.20	1	MG/KG	01/20/2021	RAL
Cadmium	EPA-6020	0.18	0.10	1	MG/KG	01/20/2021	RAL
Copper	EPA-6020	34	0.25	1	MG/KG	01/20/2021	RAL
Nickel	EPA-6020	43	0.10	1	MG/KG	01/20/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	01/20/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	01/20/2021	RAL
Thallium	EPA-6020	U	0.43	1	MG/KG	01/20/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	116	01/20/2021	JNF
Terphenyl-d14	EPA-8270 SIM	90.9	01/20/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.
 Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	2/17/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21010106
CLIENT PROJECT:	Baywood / 0147053.010	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-011921S - Batch 161765 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	01/20/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	01/20/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-011921S - Batch 161743 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MB-011921S - Batch 161803 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	01/20/2021	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	01/20/2021	RAL
Copper	EPA-6020	U	MG/KG	0.25	01/20/2021	RAL
Nickel	EPA-6020	U	MG/KG	0.10	01/20/2021	RAL
Selenium	EPA-6020	U	MG/KG	1.0	01/20/2021	RAL
Silver	EPA-6020	U	MG/KG	0.10	01/20/2021	RAL
Thallium	EPA-6020	U	MG/KG	0.060	01/20/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	2/17/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21010106
CLIENT PROJECT:	Baywood / 0147053.010	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 161765 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	97.0			75.5	122.1	01/20/2021	JNF
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	102	5		75.5	122.1	01/20/2021	JNF

ALS Test Batch ID: 161743 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	77.6			20	150	01/19/2021	JMK
Naphthalene - BSD	EPA-8270 SIM	86.4	11		20	150	01/19/2021	JMK
Benzo[A]Anthracene - BS	EPA-8270 SIM	86.4			20	150	01/19/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	96.6	11		20	150	01/19/2021	JMK
Chrysene - BS	EPA-8270 SIM	73.4			20	150	01/19/2021	JMK
Chrysene - BSD	EPA-8270 SIM	81.3	10		20	150	01/19/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	88.8			20	150	01/19/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	98.6	10		20	150	01/19/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	74.4			20	150	01/19/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	81.8	9		20	150	01/19/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	96.3			20	150	01/19/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	106	10		20	150	01/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	88.7			20	150	01/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	97.8	10		20	150	01/19/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	90.7			20	150	01/19/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	98.6	8		20	150	01/19/2021	JMK
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	85.5			20	150	01/19/2021	JMK
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	98.9	15		20	150	01/19/2021	JMK

ALS Test Batch ID: 161803 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	102			80	120	01/20/2021	RAL
Arsenic - BSD	EPA-6020	100	2		80	120	01/20/2021	RAL
Cadmium - BS	EPA-6020	105			80	120	01/20/2021	RAL
Cadmium - BSD	EPA-6020	104	2		80	120	01/20/2021	RAL
Copper - BS	EPA-6020	106			80	120	01/20/2021	RAL
Copper - BSD	EPA-6020	104	2		80	120	01/20/2021	RAL
Nickel - BS	EPA-6020	103			80	120	01/20/2021	RAL
Nickel - BSD	EPA-6020	101	2		80	120	01/20/2021	RAL
Selenium - BS	EPA-6020	103			80	120	01/20/2021	RAL
Selenium - BSD	EPA-6020	101	1		80	120	01/20/2021	RAL
Silver - BS	EPA-6020	106			80	120	01/20/2021	RAL

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE: 2/17/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#: EV21010106
CLIENT PROJECT:	Baywood / 0147053.010	WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Silver - BSD	EPA-6020	106	0		80	120	01/20/2021	RAL
Thallium - BS	EPA-6020	96.9			80	120	01/20/2021	RAL
Thallium - BSD	EPA-6020	95.0	2		80	120	01/20/2021	RAL

APPROVED BY



Laboratory Director

EV21010106



Chain-of-Custody Record

Seattle/Edmonds (425) 778-0907 Spokane (509) 327-9737
 Tacoma (253) 926-2493 Portland (503) 542-1080

Date 1/14/21
 Page 1 of 1

Turnaround Time:
 Standard Accelerated

Project Name Baywood Project No. 0147053.010
 Project Location/Event Everett WA
 Sampler's Name Sam Bartik
 Project Contact Dylan Frazer
 Send Results To Dylan Frazer & Dan Jorgensen

Testing Parameters

Meths 60204*
NWTPH-Dx
PCBs 92700 (SW)
Diogen / Ferrans 4458

Special Handling Requirements:
 Shipment Method: drop off
 Stored on ice: Yes / No

Sample I.D.	Date	Time	Matrix	No. of Containers	Observations/Comments
1 LA1-1- 20210114	1/14/21	21:00	soil	1	
2 LA1-2- 20210114		21:20			
3 LA1-3- 20210114		21:50			
4 LA1-4-20210114		23:10			
5 LA1-5-20210114		22:15			
6 LA1-6-20210114		23:30			
7 LA1-7-20210114		23:50			

Allow water samples to settle, collect aliquot from clear portion
 NWTPH-Dx - Acid wash cleanup
 - Silica gel cleanup
 Dissolved metal samples were field filtered

Other Asenic, Cadmium, Copper, nickel, selenium, silver, thallium

Relinquished by Sam Bartik
 Signature Sam Bartik
 Printed Name Sam Bartik
 Company Landau Associates
 Date 1/15/21 Time 1130

Received by Sean Huerka
 Signature Sean Huerka
 Printed Name Sean Huerka
 Company Landau Associates
 Date 1/15/21 Time 1130

Relinquished by Alan Perry
 Signature Alan Perry
 Printed Name Alan Perry
 Company Landau Associates
 Date 1/15/21 Time 1222

Received by Alan Perry
 Signature Alan Perry
 Printed Name Alan Perry
 Company Landau Associates
 Date 1/15/21 Time 1212Z

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: London

ALS Job #: EV21010106

Project: Baywood

Received Date: 1/15/21 Received Time: 12:22 PM By: ERP

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____			
Where? _____			
Custody seal date: _____			
Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: _____

Temperature of cooler upon receipt: 3.6°C Cold Cool Ambient N/A

on Ice

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



ALS Environmental - Everett
ATTN: Glen Perry
8620 Holly Drive, Suite 100
Everett WA 98208

Date Received: 03-MAR-21
Report Date: 31-MAR-21 08:09 (MT)
Version: FINAL

Client Phone: 425-356-2600

Certificate of Analysis

Lab Work Order #: L2563089
Project P.O. #: 32-EV21030006
Job Reference: EV21030006
C of C Numbers:
Legal Site Desc:



Claire Kocharakkal, B.Sc.
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 1435 Norjohn Court, Unit 1, Burlington, ON, L7L 0E6 Canada | Phone: +1 905 331 3111 | Fax: +1 905 331 4567
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2563089-1 EV21030006-01							
Sampled By: Client on 01-MAR-21 @ 12:05							
Matrix: Soil							
Miscellaneous Parameters							
% Moisture	11.6		0.10	%	24-MAR-21	26-MAR-21	R5415727
Dioxins and Furans HR 1613B							
2,3,7,8-TCDD	<0.050	[U]	0.050	pg/g	24-MAR-21	29-MAR-21	R5417304
1,2,3,7,8-PeCDD	0.065	M,J,R	0.050	pg/g	24-MAR-21	29-MAR-21	R5417304
1,2,3,4,7,8-HxCDD	0.250	J,R	0.089	pg/g	24-MAR-21	29-MAR-21	R5417304
1,2,3,6,7,8-HxCDD	1.10	[J]	0.080	pg/g	24-MAR-21	29-MAR-21	R5417304
1,2,3,7,8,9-HxCDD	0.430	M,J,R	0.085	pg/g	24-MAR-21	29-MAR-21	R5417304
1,2,3,4,6,7,8-HpCDD	32.5		0.23	pg/g	24-MAR-21	29-MAR-21	R5417304
OCDD	342		0.52	pg/g	24-MAR-21	29-MAR-21	R5417304
2,3,7,8-TCDF	0.079	M,J,R	0.041	pg/g	24-MAR-21	29-MAR-21	R5417304
1,2,3,7,8-PeCDF	0.072	M,J,R	0.029	pg/g	24-MAR-21	29-MAR-21	R5417304
2,3,4,7,8-PeCDF	0.120	J,R	0.029	pg/g	24-MAR-21	29-MAR-21	R5417304
1,2,3,4,7,8-HxCDF	0.294	M,J	0.034	pg/g	24-MAR-21	29-MAR-21	R5417304
1,2,3,6,7,8-HxCDF	0.210	M,J,R	0.030	pg/g	24-MAR-21	29-MAR-21	R5417304
2,3,4,6,7,8-HxCDF	0.413	[J]	0.035	pg/g	24-MAR-21	29-MAR-21	R5417304
1,2,3,7,8,9-HxCDF	0.078	M,J,R	0.054	pg/g	24-MAR-21	29-MAR-21	R5417304
1,2,3,4,6,7,8-HpCDF	6.47		0.073	pg/g	24-MAR-21	29-MAR-21	R5417304
1,2,3,4,7,8,9-HpCDF	0.38	M,J,R	0.12	pg/g	24-MAR-21	29-MAR-21	R5417304
OCDF	9.15		0.090	pg/g	24-MAR-21	29-MAR-21	R5417304
Total-TCDD	0.577		0.050	pg/g	24-MAR-21	29-MAR-21	R5417304
Total TCDD # Homologues	4				24-MAR-21	29-MAR-21	R5417304
Total-PeCDD	0.375		0.050	pg/g	24-MAR-21	29-MAR-21	R5417304
Total PeCDD # Homologues	3				24-MAR-21	29-MAR-21	R5417304
Total-HxCDD	5.40		0.089	pg/g	24-MAR-21	29-MAR-21	R5417304
Total HxCDD # Homologues	4				24-MAR-21	29-MAR-21	R5417304
Total-HpCDD	59.5		0.23	pg/g	24-MAR-21	29-MAR-21	R5417304
Total HpCDD # Homologues	2				24-MAR-21	29-MAR-21	R5417304
Total-TCDF	0.060		0.041	pg/g	24-MAR-21	29-MAR-21	R5417304
Total TCDF # Homologues	2				24-MAR-21	29-MAR-21	R5417304
Total-PeCDF	1.33		0.029	pg/g	24-MAR-21	29-MAR-21	R5417304
Total PeCDF # Homologues	3				24-MAR-21	29-MAR-21	R5417304
Total-HxCDF	6.31		0.054	pg/g	24-MAR-21	29-MAR-21	R5417304
Total HxCDF # Homologues	5				24-MAR-21	29-MAR-21	R5417304
Total-HpCDF	13.0		0.12	pg/g	24-MAR-21	29-MAR-21	R5417304
Total HpCDF # Homologues	2				24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-2,3,7,8-TCDD	86.0		25-164	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-1,2,3,7,8-PeCDD	69.0		25-181	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-1,2,3,4,7,8-HxCDD	58.0		32-141	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-1,2,3,6,7,8-HxCDD	79.0		28-130	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD	63.0		23-140	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-OCDD	61.0		17-157	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-2,3,7,8-TCDF	104.0		24-169	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-1,2,3,7,8-PeCDF	85.0		24-185	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-2,3,4,7,8-PeCDF	74.0		21-178	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-1,2,3,4,7,8-HxCDF	61.0		26-152	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-1,2,3,6,7,8-HxCDF	83.0		26-123	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-2,3,4,6,7,8-HxCDF	73.0		29-147	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-1,2,3,7,8,9-HxCDF	63.0		28-136	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF	63.0		28-143	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF	57.0		26-138	%	24-MAR-21	29-MAR-21	R5417304
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)	89		35-197	%	24-MAR-21	29-MAR-21	R5417304

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DX-1613B-HRMS-BU	Soil	Dioxins and Furans HR 1613B	USEPA 1613B
Samples are extracted by Soxhlet. The extracts are prepared using column chromatography, reduced in volume and analyzed by isotope-dilution GC/HRMS			
MOISTURE-BU	Soil	% Moisture	CCME PHC in Soil - Tier 1 (mod)
This method is used to determine the percent moisture in a sample. Samples are homogenized, moisture is removed by heating at 105°C until constant mass is achieved. The residues are measured gravimetrically and the difference in weight between the wet sample and the dried sample is used to determine the moisture content. This percent moisture can be used, in conjunction with analytical results, to report data on a dry weight basis.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2563089

Report Date: 31-MAR-21

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Client: ALS Environmental - Everett
 8620 Holly Drive, Suite 100
 Everett WA 98208

Contact: Glen Perry

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5417304							
WG3495625-2 LCS								
2,3,7,8-TCDD			103.0		%		67-158	28-MAR-21
1,2,3,7,8-PeCDD			113.0		%		70-142	28-MAR-21
1,2,3,4,7,8-HxCDD			107.0		%		70-164	28-MAR-21
1,2,3,6,7,8-HxCDD			95.0		%		76-134	28-MAR-21
1,2,3,7,8,9-HxCDD			126.0		%		64-162	28-MAR-21
1,2,3,4,6,7,8-HpCDD			96.0		%		70-140	28-MAR-21
OCDD			92.0		%		78-144	28-MAR-21
2,3,7,8-TCDF			107.0		%		75-158	28-MAR-21
1,2,3,7,8-PeCDF			105.0		%		80-134	28-MAR-21
2,3,4,7,8-PeCDF			95.0		%		68-160	28-MAR-21
1,2,3,4,7,8-HxCDF			99.0		%		72-134	28-MAR-21
1,2,3,6,7,8-HxCDF			99.0		%		84-130	28-MAR-21
2,3,4,6,7,8-HxCDF			99.0		%		70-156	28-MAR-21
1,2,3,7,8,9-HxCDF			103.0		%		78-130	28-MAR-21
1,2,3,4,6,7,8-HpCDF			104.0		%		82-122	28-MAR-21
1,2,3,4,7,8,9-HpCDF			102.0		%		78-138	28-MAR-21
OCDF			84.0		%		63-170	28-MAR-21
WG3495625-1 MB								
2,3,7,8-TCDD			<0.014	[U]	pg/g		0.014	28-MAR-21
1,2,3,7,8-PeCDD			<0.017	[U]	pg/g		0.017	28-MAR-21
1,2,3,4,7,8-HxCDD			<0.044	[U]	pg/g		0.044	28-MAR-21
1,2,3,6,7,8-HxCDD			<0.038	[U]	pg/g		0.038	28-MAR-21
1,2,3,7,8,9-HxCDD			<0.041	M,U	pg/g		0.041	28-MAR-21
1,2,3,4,6,7,8-HpCDD			0.160	M,J,R	pg/g		0.058	28-MAR-21
OCDD			1.15	[J]	pg/g		0.078	28-MAR-21
2,3,7,8-TCDF			<0.0098	[U]	pg/g		0.0098	28-MAR-21
1,2,3,7,8-PeCDF			0.023	J,R	pg/g		0.012	28-MAR-21
2,3,4,7,8-PeCDF			<0.012	[U]	pg/g		0.012	28-MAR-21
1,2,3,4,7,8-HxCDF			<0.019	[U]	pg/g		0.019	28-MAR-21
1,2,3,6,7,8-HxCDF			<0.019	[U]	pg/g		0.019	28-MAR-21
2,3,4,6,7,8-HxCDF			<0.020	M,U	pg/g		0.02	28-MAR-21
1,2,3,7,8,9-HxCDF			0.058	M,J	pg/g		0.028	28-MAR-21
1,2,3,4,6,7,8-HpCDF			0.126	M,J	pg/g		0.037	28-MAR-21
1,2,3,4,7,8,9-HpCDF			<0.069	M,U	pg/g		0.069	28-MAR-21



Quality Control Report

Workorder: L2563089

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DX-1613B-HRMS-BU		Soil						
Batch	R5417304							
WG3495625-1	MB							
OCDF			0.20	M,J	pg/g		0.11	28-MAR-21
Total-TCDD			<0.014	[U]	pg/g		0.014	28-MAR-21
Total-PeCDD			<0.017	[U]	pg/g		0.017	28-MAR-21
Total-HxCDD			<0.044	[U]	pg/g		0.044	28-MAR-21
Total-HpCDD			<0.058	[U]	pg/g		0.058	28-MAR-21
Total-TCDF			<0.0098	[U]	pg/g		0.0098	28-MAR-21
Total-PeCDF			<0.012	[U]	pg/g		0.012	28-MAR-21
Total-HxCDF			0.058	A	pg/g		0.028	28-MAR-21
Total-HpCDF			0.126	A	pg/g		0.069	28-MAR-21
Surrogate: 13C12-2,3,7,8-TCDD			144.0		%		25-164	28-MAR-21
Surrogate: 13C12-1,2,3,7,8-PeCDD			63.0		%		25-181	28-MAR-21
Surrogate: 13C12-1,2,3,4,7,8-HxCDD			60.0		%		32-141	28-MAR-21
Surrogate: 13C12-1,2,3,6,7,8-HxCDD			86.0		%		28-130	28-MAR-21
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDD			68.0		%		23-140	28-MAR-21
Surrogate: 13C12-OCDD			57.0		%		17-157	28-MAR-21
Surrogate: 13C12-2,3,7,8-TCDF			143.0		%		24-169	28-MAR-21
Surrogate: 13C12-1,2,3,7,8-PeCDF			76.0		%		24-185	28-MAR-21
Surrogate: 13C12-2,3,4,7,8-PeCDF			72.0		%		21-178	28-MAR-21
Surrogate: 13C12-1,2,3,4,7,8-HxCDF			68.0		%		26-152	28-MAR-21
Surrogate: 13C12-1,2,3,6,7,8-HxCDF			88.0		%		26-123	28-MAR-21
Surrogate: 13C12-2,3,4,6,7,8-HxCDF			79.0		%		29-147	28-MAR-21
Surrogate: 13C12-1,2,3,7,8,9-HxCDF			78.0		%		28-136	28-MAR-21
Surrogate: 13C12-1,2,3,4,6,7,8-HpCDF			73.0		%		28-143	28-MAR-21
Surrogate: 13C12-1,2,3,4,7,8,9-HpCDF			58.0		%		26-138	28-MAR-21
Surrogate: 37Cl4-2,3,7,8-TCDD (Cleanup)			158.0		%		35-197	28-MAR-21

COMMENTS: There were low levels of some targets detected in the method blank that were within the method control limits for method blank cleanliness.

MOISTURE-BU **Soil**

Batch **R5415727**

WG3495630-2 **LCS**

% Moisture	96.1	%	90-110	26-MAR-21
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WG3495630-1 **MB**

% Moisture	<0.10	%	0.3	26-MAR-21
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Quality Control Report

Workorder: L2563089

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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J,R	The analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,J	A peak has been manually integrated, and the analyte was detected below the calibrated range but above the EDL.
M,J,R	A peak has been manually integrated, the analyte was detected below the calibrated range but above the EDL, and the ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
M,U	A peak has been manually integrated, and the analyte was not detected above the EDL.
[J]	The analyte was detected below the calibrated range but above the EDL.
[U]	The analyte was not detected above the EDL.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

PURCHASE ORDER

The following number must appear on all related correspondence, shipping papers, and invoices:

P.O. NUMBER: 32- *EV21030006*

To: *ALS Environmental*
Ancy Sebastian
1435 Nerjohn Court, Unit 1
Burlington, Ontario, Canada L7L 0E6
Ph: (905) 331-3111
 Acct #: ALS01

Bill To: **ALS Everett**
10450 Stancliff Rd, Suite 210
Houston, TX 77099
TEL 281-530-5656 FAX 281-530-5887

Ship To: **ALS Group USA, Corp.**
 8620 Holly Drive
 Suite 100
 Everett, Washington 98208
TEL 425 356 2600 FAX 425 356 2626

P.O. DATE	REQUISITIONER	Ship VIA	Department	TERMS
<i>3/2/21</i>	shawn.robison			NET 30

Item	Catalog No.	QTY	Unit Price	Total Price
<i>Dioxins/Furans by 1613</i>	<i>Soil</i>	<i>1</i>	<i>375.00</i>	<i>375.00</i>

Comments:

Please email results by noon
3/22/21.

Sales Tax:	\$0.00
Shipping/Handling:	\$0.00
Other:	\$0.00

OrderAmount:	<i>375.00</i>
--------------	---------------

Shawn Robinson *3/2/21*

Authorized by

Date